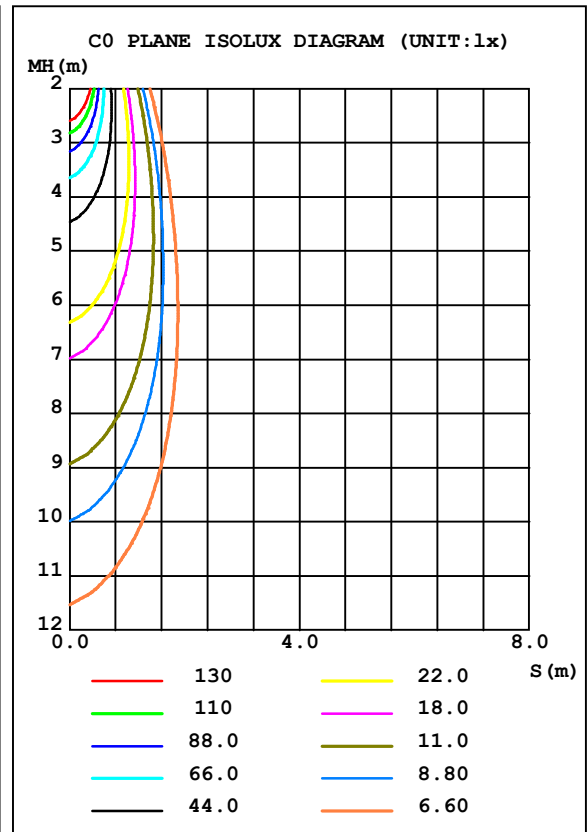
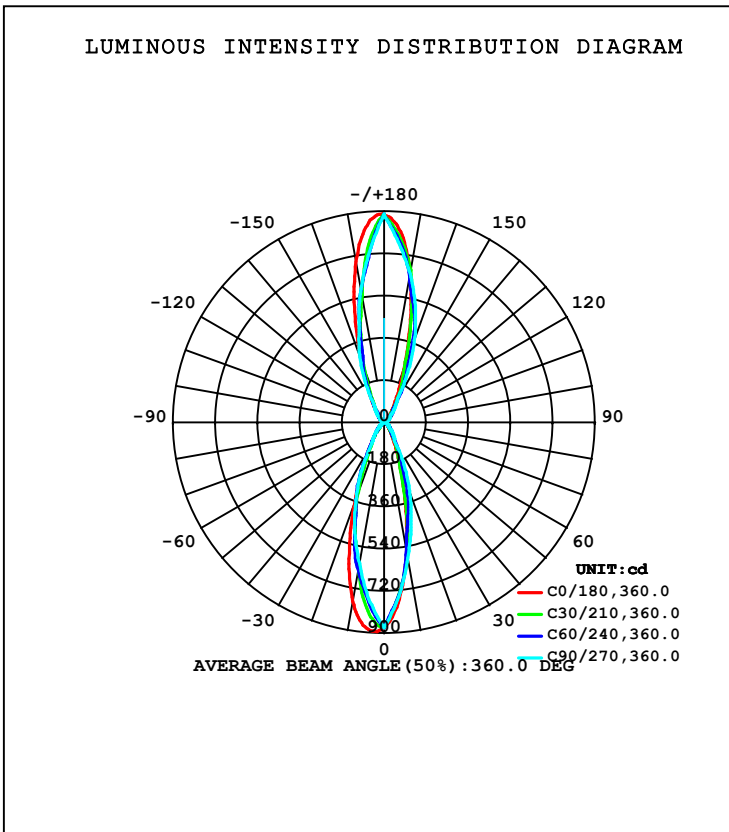


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	5382-3000	I _{max} (cd)	892.8	S/MH (C0/180)	0.59
NOMINAL POWER (W)	9	LOR (%)	100.0	S/MH (C90/270)	0.54
RATED VOLTAGE (V)	0	TOTAL FLUX (lm)	754.82	η UP, DN (C0-180)	26.4, 24.2
NOMINAL FLUX (lm)	754.823	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	23.8, 25.7
LAMPS INSIDE	1	η up (%)	50.1	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)	230	η down (%)	49.9	CIBSE SHR MAX	0.55



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	558.6	556.5	587.4	625.1	775.8	642.2	611.5	569.9	0- 10	68.26	68.26	9.04,9.04
20	205.3	253.3	325.4	288.8	373.5	314.4	354.0	266.6	10- 20	120.9	189.2	25.1,25.1
30	73.09	91.58	91.99	123.3	126.3	134.5	105.4	95.36	20- 30	84.82	274.0	36.3,36.3
40	34.44	36.99	51.08	46.57	49.92	50.86	57.34	38.70	30- 40	42.75	316.8	42,42
50	21.11	21.90	25.23	26.74	26.83	28.03	27.39	22.84	40- 50	25.80	342.6	45.4,45.4
60	12.17	13.00	14.44	15.59	16.22	16.30	15.56	13.79	50- 60	17.35	359.9	47.7,47.7
70	5.033	6.239	7.778	7.868	8.552	8.588	8.819	7.066	60- 70	10.83	370.7	49.1,49.1
80	0.2785	1.087	3.025	1.851	1.943	2.477	3.691	1.744	70- 80	4.720	375.5	49.7,49.7
90	0	0.2269	0.1802	0.1481	0.0192	0.1867	0.1738	0.1738	80- 90	1.098	376.6	49.9,49.9
100	0.6369	2.298	3.783	2.146	1.265	1.407	3.066	1.713	90-100	1.121	377.7	50,50
110	6.109	8.045	9.138	8.167	7.574	6.573	7.982	7.319	100-110	4.812	382.5	50.7,50.7
120	13.27	15.16	16.24	15.95	15.40	14.75	14.92	14.47	110-120	11.05	393.5	52.1,52.1
130	22.16	25.29	28.44	26.98	24.94	24.97	25.61	24.30	120-130	17.68	411.2	54.5,54.5
140	38.52	44.96	62.04	47.31	43.69	41.39	49.90	41.14	130-140	26.07	437.3	57.9,57.9
150	88.10	123.3	117.0	118.3	100.1	102.9	87.79	104.0	140-150	43.13	480.4	63.6,63.6
160	256.8	338.0	387.3	277.0	298.0	235.5	308.4	277.9	150-160	85.03	565.4	74.9,74.9
170	645.1	636.8	644.0	598.5	695.4	561.2	576.0	595.0	160-170	121.0	686.4	90.9,90.9
180	887.1	887.1	887.1	887.1	890.7	890.7	890.7	890.7	170-180	68.40	754.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 331.18 lm

%lum = 43.9%

%lamp = 43.9%

Conical surface Flux(120deg): 359.91 lm

%lum = 47.7%

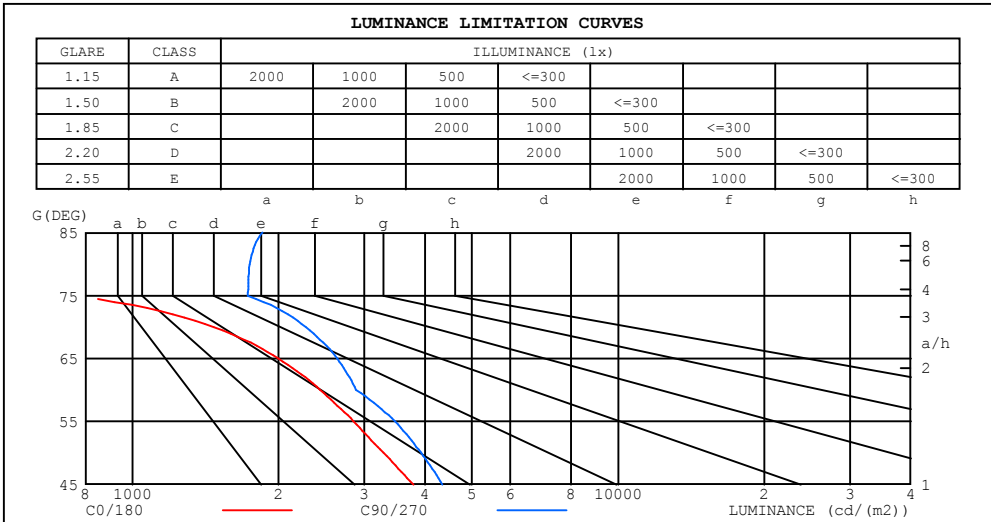
%lamp = 47.7%

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:



LUMINANCE cd/ (m2)		
G (DEG)	C0/180	C90/270
85	54	1849
80	160	1742
75	775	1729
70	1472	2274
65	1995	2639
60	2433	2888
55	2853	3470
50	3284	3925
45	3787	4346

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.222	.126	.040	.200	.114	.036	.159	.091	.029	.121	.070	.022	.087	.050	.016	
2.0	.207	.113	.035	.187	.103	.032	.150	.083	.026	.116	.065	.020	.084	.047	.015	
3.0	.193	.103	.031	.175	.094	.028	.141	.076	.023	.109	.060	.018	.080	.044	.014	
4.0	.180	.093	.027	.163	.085	.025	.132	.070	.021	.103	.055	.017	.076	.042	.013	
5.0	.168	.086	.025	.153	.078	.023	.124	.065	.019	.098	.052	.015	.073	.039	.012	
6.0	.157	.079	.023	.144	.072	.021	.117	.060	.017	.092	.048	.014	.069	.037	.011	
7.0	.148	.073	.021	.135	.067	.019	.111	.056	.016	.088	.045	.013	.066	.034	.010	
8.0	.139	.068	.019	.128	.063	.018	.105	.052	.015	.083	.042	.012	.063	.033	.009	
9.0	.132	.064	.018	.121	.059	.017	.099	.049	.014	.079	.040	.011	.061	.031	.009	
10.0	.125	.060	.017	.114	.055	.015	.095	.046	.013	.076	.038	.011	.058	.029	.008	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients (CCEC)									
0.0	.572	.572	.572	.489	.489	.489	.334	.334	.334	.192	.192	.192	.061	.061	.061	
1.0	.559	.542	.526	.479	.465	.453	.327	.320	.313	.188	.185	.182	.060	.060	.059	
2.0	.548	.520	.496	.470	.448	.429	.322	.310	.299	.186	.180	.175	.060	.058	.057	
3.0	.539	.503	.475	.462	.434	.412	.317	.302	.289	.183	.176	.170	.059	.057	.056	
4.0	.531	.491	.460	.456	.424	.400	.313	.296	.281	.181	.173	.166	.058	.056	.055	
5.0	.524	.481	.449	.450	.416	.391	.310	.291	.276	.179	.171	.164	.058	.056	.054	
6.0	.517	.473	.441	.444	.410	.384	.307	.287	.272	.178	.169	.162	.057	.055	.053	
7.0	.511	.466	.435	.440	.404	.379	.304	.283	.269	.176	.167	.160	.057	.055	.053	
8.0	.506	.461	.430	.435	.400	.375	.301	.281	.266	.175	.166	.159	.057	.054	.052	
9.0	.500	.456	.427	.431	.396	.372	.299	.278	.264	.174	.164	.158	.056	.054	.052	
10.0	.496	.452	.424	.427	.393	.370	.297	.276	.263	.173	.163	.157	.056	.054	.052	

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Room dimensions	Viewed crosswise					Viewed endwise				
x = 2H y = 2H	10.0	10.8	10.9	11.6	12.6	11.0	11.8	11.9	12.6	13.6
3H	10.5	11.2	11.4	12.0	13.1	11.7	12.3	12.6	13.2	14.3
4H	10.5	11.2	11.4	12.0	13.1	11.8	12.5	12.7	13.3	14.4
6H	10.4	11.0	11.3	11.9	13.0	12.0	12.5	12.9	13.4	14.5
8H	10.3	10.9	11.2	11.8	12.9	12.0	12.5	12.9	13.4	14.6
12H	10.2	10.7	11.2	11.7	12.8	12.0	12.5	13.0	13.5	14.6
4H 2H	10.2	10.8	11.1	11.7	12.8	11.0	11.6	11.9	12.5	13.6
3H	10.8	11.3	11.7	12.2	13.4	11.8	12.3	12.7	13.2	14.4
4H	10.8	11.3	11.8	12.2	13.4	12.0	12.5	13.0	13.4	14.6
6H	10.7	11.1	11.7	12.0	13.3	12.2	12.6	13.2	13.6	14.8
8H	10.6	11.0	11.6	11.9	13.2	12.3	12.7	13.3	13.6	14.9
12H	10.5	10.8	11.5	11.8	13.1	12.4	12.7	13.4	13.7	15.0
8H 4H	10.7	11.1	11.7	12.1	13.3	11.9	12.3	12.9	13.2	14.5
6H	10.6	10.9	11.6	11.9	13.2	12.1	12.4	13.1	13.4	14.7
8H	10.5	10.8	11.5	11.8	13.1	12.3	12.5	13.3	13.5	14.8
12H	10.4	10.6	11.5	11.7	13.0	12.4	12.6	13.4	13.7	15.0
12H 4H	10.7	11.0	11.7	12.0	13.2	11.8	12.1	12.8	13.1	14.4
6H	10.5	10.8	11.6	11.8	13.1	12.0	12.3	13.1	13.3	14.6
8H	10.4	10.7	11.5	11.7	13.0	12.2	12.4	13.2	13.4	14.8

Variations with the observer position at spacings:		
S = 1.0H	+ 0.7 / - 1.0	+ 0.6 / - 0.7
1.5H	+ 0.5 / - 0.6	+ 1.1 / - 0.5
2.0H	+ 1.2 / - 1.1	+ 0.8 / - 0.9

CIE Pub.117, 754.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.0)

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

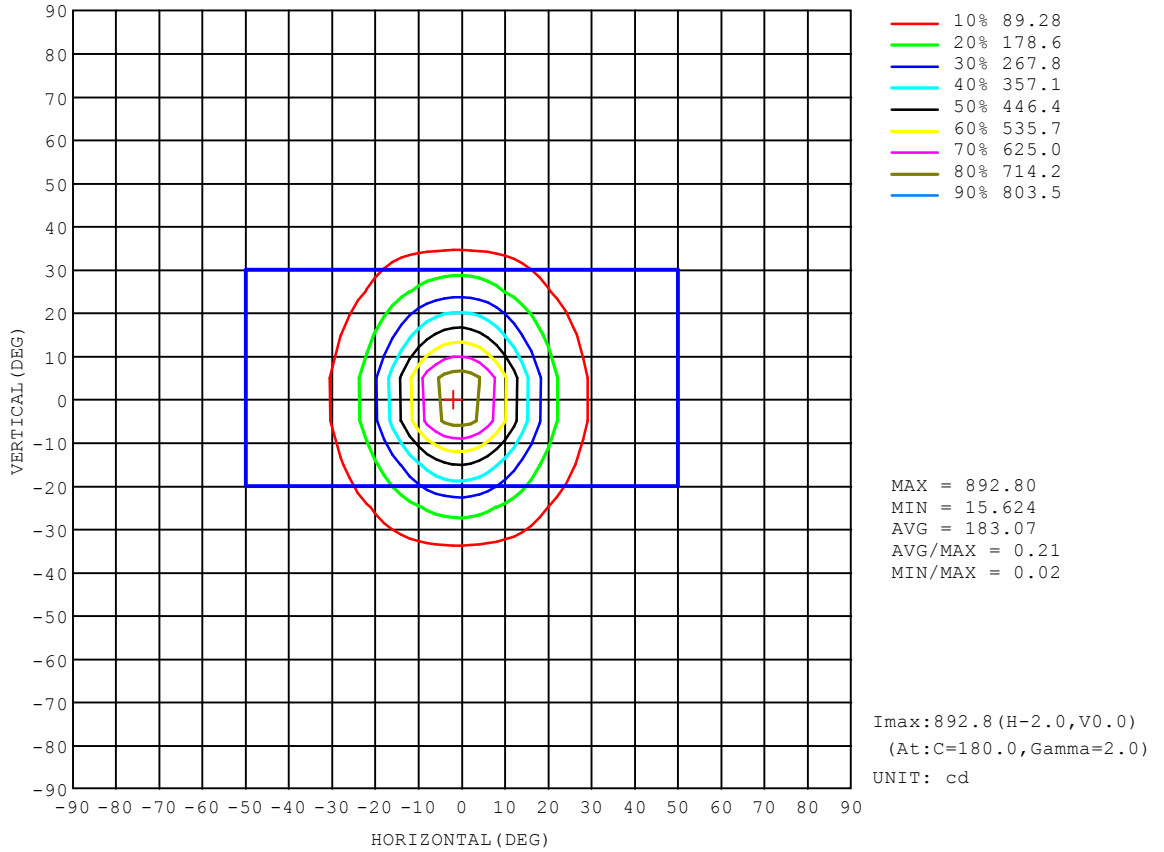
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	56	48	43	54	46	42	49	43	40	33
0.80	65	56	50	61	54	49	55	50	46	37
1.00	71	62	56	67	59	54	60	55	50	39
1.25	77	68	62	72	65	60	64	58	55	42
1.50	81	73	67	76	69	64	66	62	58	43
2.00	86	79	74	81	75	70	70	66	63	45
2.50	90	83	78	84	78	74	72	68	66	45
3.00	93	87	82	86	81	77	74	71	68	46
4.00	96	91	87	89	85	82	76	74	71	47
5.00	98	94	91	91	88	85	78	76	74	48
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

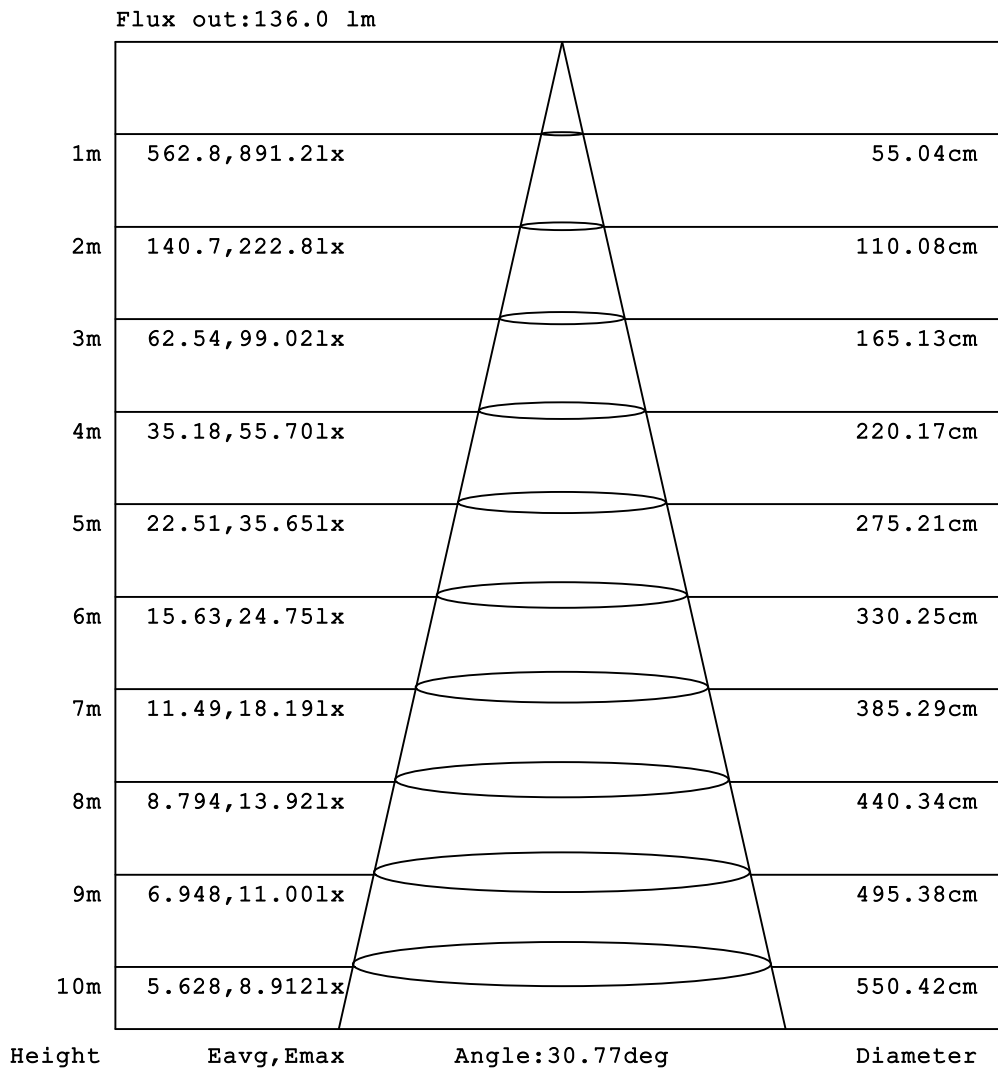


H(β) Range:-90 - 90DEG
 H(β) Interval: 2.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2022-06-06

V(B) Range:-180 - 180DEG
 V(B) Interval: 5.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
 Humidity:65.0%
 Test Distance:9.735m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:



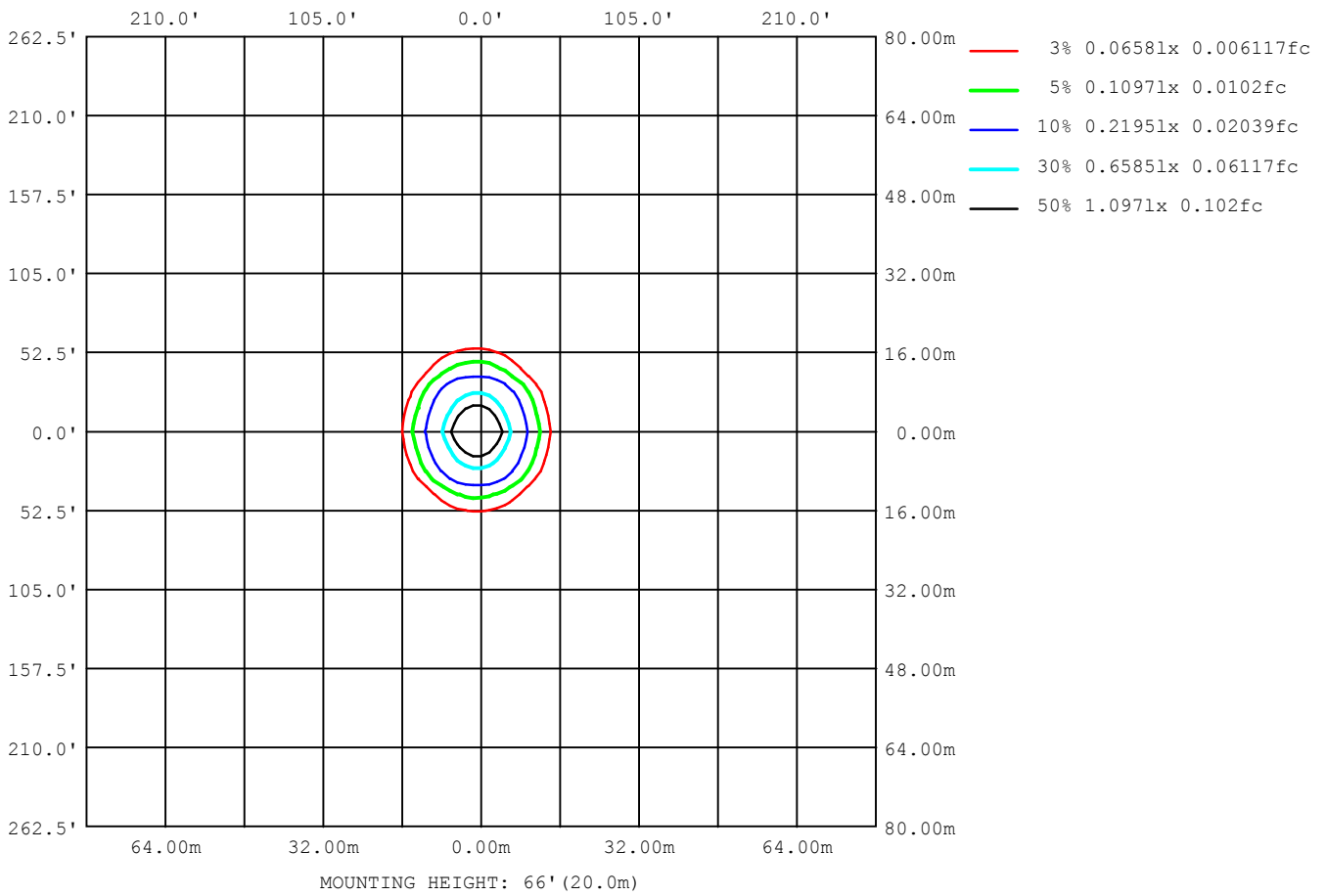
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

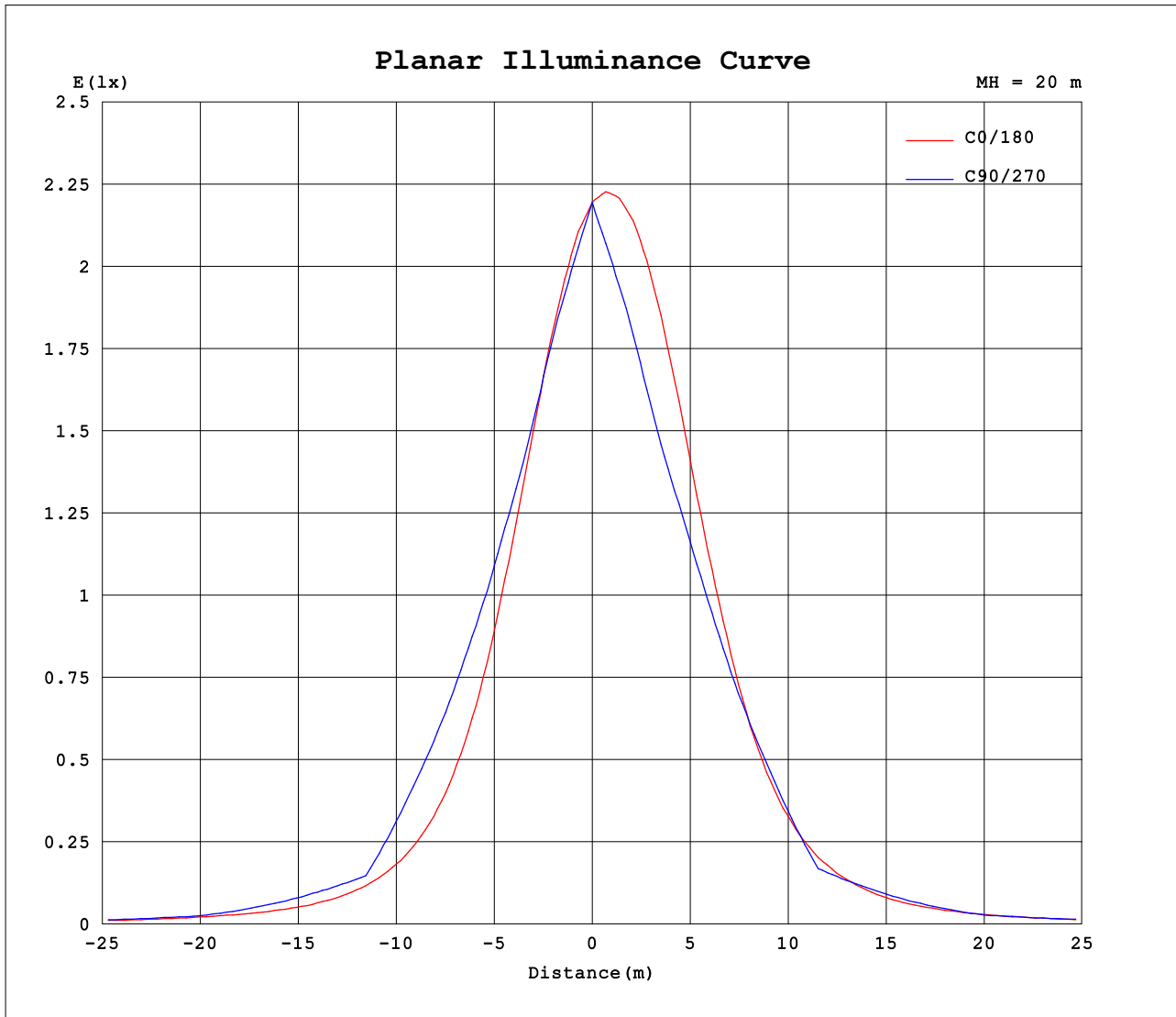
AvgL	cd/m2
L_0~180 (65) av	2450
L_0~180 (75) av	1360
L_0~180 (85) av	176
L_90~270 (65) av	2768
L_90~270 (75) av	1925
L_90~270 (85) av	2040
L_45 (65) av	2565
L_45 (75) av	1710
L_45 (85) av	1103

Standard: GB/T 29293-2012

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

Planar Illuminance Curve



H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
5	756	750	746	742	740	738	738	738	738	738	738	738	740	741	741	741	742	743	745
10	559	557	557	561	566	573	580	571	562	557	553	552	552	555	559	565	572	579	587
15	354	359	368	381	390	376	364	354	347	357	373	388	401	414	426	436	442	446	450
20	205	213	225	234	220	207	202	217	235	253	265	270	275	282	289	297	307	317	325
25	121	127	137	130	120	122	134	149	149	149	149	158	171	183	193	200	206	210	212
30	73.1	78.7	82.3	75.1	74.3	83.8	88.1	85.1	83.7	91.6	100	108	108	107	103	98.6	94.3	91.7	92.0
35	48.1	52.1	51.4	47.4	53.3	55.4	52.0	54.3	59.5	60.9	58.8	54.6	57.9	62.0	65.4	68.0	70.0	71.4	72.3
40	34.4	37.3	35.4	36.1	38.6	35.8	37.7	39.9	38.2	37.0	40.0	43.5	45.7	46.9	47.9	48.7	49.4	50.2	51.1
45	26.8	28.8	26.3	29.1	27.3	28.0	28.6	27.0	28.6	30.4	30.6	30.7	31.4	32.2	32.5	32.2	31.5	30.9	30.7
50	21.1	22.4	21.4	22.0	21.5	22.0	21.2	22.5	22.3	21.9	22.8	23.3	23.5	23.7	24.1	24.5	24.8	25.0	25.2
55	16.4	17.1	17.6	16.2	17.3	16.5	17.5	16.7	17.2	17.7	17.6	17.8	18.2	18.7	19.2	19.5	19.7	19.8	19.9
60	12.2	12.4	13.2	13.2	12.4	13.1	12.5	13.4	13.1	13.0	13.6	14.1	14.2	14.2	14.2	14.2	14.2	14.3	14.4
65	8.43	8.52	8.48	8.70	9.33	9.01	9.32	9.02	9.61	9.68	9.60	9.69	10.0	10.3	10.6	10.7	10.9	11.1	11.2
70	5.03	5.94	6.04	6.00	5.76	5.45	5.97	5.91	5.78	6.24	6.67	6.89	7.01	7.11	7.25	7.37	7.50	7.66	7.78
75	2.01	2.43	2.50	2.72	2.50	2.64	2.74	3.35	3.34	3.30	3.42	3.66	3.88	4.02	4.13	4.23	4.33	4.41	4.47
80	0.28	0.59	0.56	0.67	0.61	0.98	0.95	0.91	0.86	1.09	1.42	1.76	2.07	2.32	2.51	2.68	2.82	2.94	3.03
85	0.05	0.11	0.18	0.25	0.28	0.29	0.29	0.31	0.44	0.59	0.78	0.97	1.14	1.27	1.38	1.46	1.53	1.58	1.61
90	0.00	0.34	0.33	0.32	0.29	0.27	0.24	0.23	0.23	0.21	0.20	0.19	0.18	0.18	0.18	0.17	0.18	0.18	0.18
95	0.10	0.18	0.24	0.31	0.32	0.36	0.47	0.68	0.93	1.17	1.39	1.56	1.69	1.79	1.86	1.91	1.96	1.98	1.98
100	0.64	1.22	1.32	1.40	1.38	1.72	1.64	1.79	1.95	2.30	2.65	2.94	3.16	3.34	3.49	3.59	3.69	3.77	3.78
105	2.93	3.49	3.70	4.07	3.83	4.08	4.19	4.81	4.81	4.82	4.98	5.20	5.35	5.47	5.53	5.57	5.61	5.62	5.57
110	6.11	7.13	7.36	7.45	7.31	7.07	7.72	7.74	7.63	8.04	8.42	8.55	8.64	8.75	8.84	8.95	9.08	9.15	9.14
115	9.55	9.72	9.79	10.2	11.0	10.8	11.3	11.1	11.6	11.7	11.5	11.5	11.8	12.1	12.4	12.6	12.8	12.7	12.7
120	13.3	13.6	14.5	14.7	14.1	15.1	14.6	15.7	15.3	15.2	15.7	16.1	16.2	16.3	16.3	16.3	16.4	16.3	16.2
125	17.4	18.3	19.0	17.7	19.2	18.6	19.9	19.1	19.7	20.1	20.0	20.0	20.5	21.1	21.7	22.1	22.4	22.4	22.3
130	22.2	23.8	23.0	24.0	23.6	24.6	23.9	25.8	25.9	25.3	26.0	26.1	26.2	26.6	27.1	27.6	28.1	28.4	28.4
135	28.5	31.4	28.5	32.3	30.4	31.8	33.2	31.5	33.7	36.2	36.3	36.1	36.5	37.2	37.4	36.9	36.1	35.1	34.5
140	38.5	42.5	40.1	41.5	45.4	42.0	45.4	49.1	46.9	45.0	48.6	52.6	55.0	56.6	58.1	59.5	60.9	61.9	62.0
145	56.3	62.0	61.5	56.9	66.3	70.3	65.8	69.7	77.3	78.9	74.8	67.3	71.1	76.6	81.9	86.5	89.7	90.0	88.6
150	88.1	96.5	102	94.2	95.4	112	120	115	113	123	134	142	140	137	132	126	122	119	117
155	149	160	175	167	157	163	184	208	206	204	202	212	226	239	248	254	256	254	250
160	257	269	286	299	284	271	267	289	313	338	351	354	358	363	368	374	380	385	387
165	433	440	451	465	476	461	449	440	434	447	466	482	497	510	518	524	525	522	518
170	645	643	643	646	650	656	662	652	643	637	633	632	630	632	633	636	639	641	644
175	816	810	804	800	796	793	791	789	787	783	781	778	776	775	772	768	765	763	761
180	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
5	745	746	749	752	756	759	763	769	776	785	794	803	814	825	838	851	865	880	866
10	593	601	606	612	617	620	623	625	625	626	626	626	642	663	687	714	744	776	745
15	450	451	452	453	455	458	464	471	479	484	474	463	453	445	467	500	538	579	540
20	332	336	338	336	330	320	307	293	289	299	310	321	309	293	279	301	335	373	336
25	213	214	215	217	218	218	217	212	197	182	167	179	189	187	171	166	191	219	192
30	95.4	101	108	114	118	119	117	120	123	125	114	103	104	111	108	98.5	108	126	109
35	72.6	72.4	72.0	71.3	70.3	68.8	67.7	69.6	68.8	69.1	72.8	72.3	65.1	65.2	70.8	64.4	65.7	77.0	66.0
40	52.0	52.7	52.9	52.5	51.0	48.7	47.0	46.8	46.6	46.1	44.4	46.5	48.0	43.6	45.4	45.4	43.0	49.9	43.2
45	31.1	32.1	33.5	35.0	36.0	36.6	36.2	34.7	33.1	33.6	34.2	32.5	33.1	33.8	31.6	34.1	30.8	35.5	31.0
50	25.4	25.6	25.6	25.5	25.2	24.7	25.0	26.1	26.7	25.7	25.0	26.1	24.9	25.4	25.0	25.5	24.2	26.8	24.4
55	20.0	20.1	20.2	20.3	20.3	20.3	20.2	19.7	19.1	19.9	20.3	19.3	20.3	19.2	20.4	19.1	19.3	20.9	19.5
60	14.6	14.9	15.1	15.3	15.3	15.3	15.1	15.3	15.6	15.3	14.9	15.7	15.0	15.9	14.7	14.9	15.4	16.2	15.5
65	11.2	11.3	11.4	11.4	11.4	11.4	11.4	11.4	11.2	11.2	11.7	11.3	11.5	11.0	11.8	11.8	11.8	12.3	11.9
70	7.89	8.00	8.09	8.14	8.10	8.00	7.88	7.77	7.87	8.06	7.80	7.31	7.97	7.19	7.05	7.23	7.49	8.55	7.46
75	4.55	4.62	4.71	4.77	4.80	4.84	4.87	4.89	4.84	4.62	4.17	4.29	4.38	4.14	3.98	4.20	4.37	5.03	4.38
80	3.07	3.10	3.09	3.04	2.94	2.79	2.58	2.28	1.85	1.53	1.78	1.93	1.83	1.58	1.19	1.09	1.08	1.94	1.25
85	1.62	1.62	1.60	1.57	1.51	1.44	1.33	1.20	1.02	0.81	0.73	0.58	0.38	0.32	0.38	0.18	0.07	0.26	0.10
90	0.17	0.17	0.15	0.14	0.14	0.14	0.14	0.14	0.15	0.15	0.17	0.20	0.23	0.26	0.24	0.17	0.05	0.02	0.05
95	1.95	1.92	1.86	1.79	1.72	1.63	1.52	1.36	1.17	0.93	0.70	0.49	0.29	0.25	0.29	0.14	0.08	0.14	0.06
100	3.76	3.72	3.63	3.51	3.38	3.18	2.95	2.60	2.15	1.72	1.76	1.86	1.59	1.38	0.95	0.75	0.79	1.27	0.68
105	5.54	5.51	5.47	5.43	5.41	5.38	5.38	5.32	5.13	4.75	4.36	4.49	4.09	4.03	3.45	3.53	3.55	4.12	3.00
110	9.11	9.09	9.03	8.91	8.76	8.62	8.44	8.21	8.17	8.16	7.74	7.38	7.69	7.09	6.55	6.38	6.52	7.57	6.11
115	12.6	12.5	12.4	12.3	12.1	12.1	12.1	11.9	11.6	11.3	11.7	11.1	11.1	10.6	11.2	11.1	11.0	11.3	10.8
120	16.2	16.3	16.4	16.3	16.2	16.0	15.8	15.8	15.9	15.6	14.9	15.5	14.7	15.6	14.2	14.3	14.7	15.4	14.5
125	22.2	22.0	21.8	21.6	21.4	21.2	20.9	20.2	19.4	20.0	20.2	19.0	20.0	18.8	19.7	18.4	18.4	19.9	18.3
130	28.4	28.2	27.8	27.3	26.5	25.7	25.7	26.6	27.0	25.6	24.6	25.5	24.1	24.3	23.8	24.0	22.7	24.9	22.6
135	34.7	35.5	36.5	37.5	38.1	38.2	37.4	35.3	33.2	33.4	33.7	31.3	31.4	31.9	29.7	31.5	28.4	32.3	28.3
140	61.5	60.6	59.0	56.8	54.0	50.9	48.5	47.9	47.3	45.8	43.0	44.2	45.0	40.4	41.2	40.6	38.2	43.7	38.2
145	86.3	83.6	80.8	78.0	75.4	72.8	70.7	70.4	68.1	67.4	70.3	69.1	61.2	59.3	62.3	55.7	55.2	63.6	55.3
150	117	120	122	124	124	121	116	117	118	119	109	98.2	95.6	98.6	93.2	82.1	87.1	100	87.2
155	244	239	234	230	226	221	217	208	189	171	157	161	166	159	142	134	150	172	151
160	386	382	374	362	347	328	308	288	277	279	282	286	266	246	229	242	266	298	267
165	509	500	491	481	474	467	463	460	460	456	435	415	397	381	396	421	451	489	451
170	643	643	641	637	633	625	618	609	598	589	580	570	581	597	616	638	663	695	663
175	757	754	752	752	752	751	751	753	757	762	768	774	782	791	801	813	825	844	827
180	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	887	891

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

Table--3

UNIT: cd

C (DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878
5	853	841	829	819	809	801	793	785	779	773	770	767	764	760	758	757	758	755	754
10	718	693	671	652	637	640	641	642	644	644	641	640	635	630	625	617	611	602	595
15	505	474	454	465	479	493	506	503	497	493	489	488	487	488	488	487	487	483	477
20	304	284	301	320	337	328	320	314	321	337	351	361	366	368	366	361	354	344	334
25	167	175	193	197	188	179	197	215	234	241	241	241	239	237	236	235	233	231	227
30	99.7	111	114	108	109	122	135	135	133	131	135	134	130	122	115	109	105	104	106
35	65.2	72.2	67.0	67.6	75.8	76.8	73.6	74.7	77.9	78.5	80.1	81.7	82.3	82.4	82.4	82.5	82.3	81.0	78.8
40	45.9	46.1	44.6	49.5	48.1	46.4	49.2	50.9	51.7	52.5	55.4	58.3	59.8	59.9	59.3	58.4	57.3	55.9	54.5
45	34.6	32.3	34.5	33.7	33.2	35.5	35.2	34.9	37.3	39.6	40.6	40.0	38.6	36.7	35.2	34.0	33.5	33.6	34.0
50	25.8	25.4	25.8	25.2	26.5	25.5	26.5	28.0	27.6	26.5	26.3	27.1	27.6	27.8	27.9	27.7	27.4	27.0	26.6
55	19.4	20.7	19.4	20.6	19.6	20.7	20.5	19.8	20.6	21.5	21.8	21.9	21.9	21.9	21.8	21.8	21.6	21.4	21.2
60	15.0	14.8	16.0	15.1	16.0	15.2	15.8	16.3	16.3	16.2	16.5	16.6	16.5	16.3	16.1	15.8	15.6	15.4	15.4
65	11.9	11.9	11.2	11.7	11.6	12.1	11.7	11.9	12.3	12.6	12.6	12.5	12.5	12.5	12.4	12.4	12.2	12.1	12.0
70	7.24	7.34	7.79	8.33	7.96	8.27	8.66	8.59	8.61	8.85	9.04	9.12	9.15	9.13	9.07	8.96	8.82	8.68	8.56
75	4.30	4.17	4.67	4.70	5.04	4.87	5.20	5.51	5.69	5.74	5.74	5.71	5.69	5.66	5.61	5.56	5.49	5.41	5.32
80	1.17	1.35	1.79	1.95	2.23	2.15	2.10	2.48	2.90	3.23	3.44	3.59	3.69	3.75	3.77	3.75	3.69	3.60	3.48
85	0.16	0.34	0.23	0.37	0.67	0.93	1.15	1.36	1.53	1.67	1.77	1.83	1.90	1.93	1.95	1.96	1.94	1.91	1.86
90	0.14	0.19	0.23	0.25	0.25	0.23	0.21	0.19	0.17	0.16	0.15	0.15	0.15	0.15	0.16	0.17	0.17	0.17	0.17
95	0.15	0.27	0.28	0.34	0.41	0.51	0.63	0.82	0.96	1.05	1.27	1.38	1.46	1.53	1.58	1.62	1.63	1.61	1.58
100	0.65	0.71	1.01	1.20	1.48	1.35	1.09	1.41	1.75	1.99	2.47	2.69	2.84	2.96	3.05	3.09	3.07	3.02	2.96
105	3.26	2.83	3.40	3.24	3.71	3.68	3.94	3.93	4.16	4.23	4.44	4.47	4.48	4.49	4.52	4.56	4.53	4.51	4.50
110	6.08	6.03	6.35	6.91	6.49	6.77	6.83	6.57	6.93	7.36	7.67	7.85	7.93	7.99	8.08	8.08	7.98	7.92	7.88
115	10.5	9.57	9.18	10.2	9.66	10.1	9.96	10.0	10.8	11.0	11.1	11.2	11.2	11.3	11.5	11.6	11.5	11.4	11.4
120	13.8	13.0	14.7	13.5	13.9	13.2	14.3	14.7	14.7	14.6	14.9	15.1	15.1	15.1	15.2	15.1	14.9	14.8	14.9
125	18.0	19.0	17.9	19.0	17.8	19.1	18.8	18.3	18.9	19.5	19.7	19.7	19.8	19.9	20.2	20.3	20.3	20.3	20.2
130	23.5	23.0	23.5	23.1	24.3	23.3	24.0	25.0	24.5	23.9	23.7	24.3	24.8	25.2	25.6	25.7	25.6	25.4	25.3
135	30.9	28.7	30.6	30.0	29.7	31.3	30.7	30.3	31.8	33.1	33.6	33.4	32.9	32.2	31.6	31.1	31.0	31.2	31.9
140	40.0	39.9	38.6	42.3	41.2	39.6	41.0	41.4	41.6	41.9	43.4	45.5	47.3	48.8	49.8	50.2	49.9	49.4	48.9
145	54.6	59.8	55.9	56.4	62.5	62.9	59.9	59.7	60.2	58.6	59.6	61.2	62.9	64.8	66.6	68.1	69.0	68.8	68.1
150	80.5	89.1	92.3	87.4	88.0	96.9	105	103	100	97.9	99.7	100	99.0	96.5	93.1	89.7	87.8	88.2	91.6
155	132	138	151	154	147	139	149	161	174	178	180	183	185	188	191	194	198	200	200
160	240	223	236	250	263	254	245	236	238	253	267	280	292	300	306	309	308	306	301
165	418	389	369	378	389	401	413	411	405	401	398	398	398	402	406	411	417	420	423
170	634	608	585	565	550	553	557	561	566	570	573	576	577	578	578	576	576	573	573
175	812	798	785	773	763	754	746	739	733	729	726	725	724	723	724	726	730	731	734
180	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.0425A P:9.1649W PF:0.9357 Freq:49.99Hz Lamp Flux:754.823x1 lm		
NAME: 5382-3000	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ATC MIDDLE EAST FZCO	SUR.:0.01	Shielding Angle:

Table--4

UNIT: cd

C (DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	878	878	878	878	878	878	878	878	878	878	878	878	878	878	878				
5	753	753	752	750	748	747	746	746	745	744	743	744	745	748	751				
10	587	580	576	571	569	569	570	574	581	590	580	572	565	560	558				
15	470	457	444	427	408	389	370	357	363	371	382	395	384	371	361				
20	323	313	303	294	287	280	267	245	225	207	212	224	237	227	214				
25	220	209	196	182	167	157	157	157	156	139	124	122	131	138	128				
30	109	112	114	115	114	105	95.4	86.3	87.4	90.1	85.1	74.9	75.5	82.6	78.8				
35	75.5	71.1	66.0	60.7	57.1	61.5	63.3	61.4	55.6	52.9	56.1	53.8	47.6	51.5	52.2				
40	53.0	51.4	49.6	47.9	45.5	41.8	38.7	39.7	41.2	38.6	36.3	38.9	36.3	35.4	37.3				
45	34.5	34.4	33.9	32.9	32.1	31.9	31.7	29.8	28.1	29.5	28.5	27.5	29.2	26.3	28.9				
50	26.1	25.6	25.1	24.6	24.2	23.6	22.8	23.3	23.4	21.8	22.4	21.7	22.1	21.4	22.4				
55	20.9	20.5	19.8	19.1	18.5	18.4	18.5	18.0	17.4	18.1	16.9	17.6	16.3	17.6	17.1				
60	15.4	15.3	15.2	15.1	14.9	14.3	13.8	13.8	14.1	13.1	13.6	12.7	13.4	13.3	12.5				
65	11.9	11.6	11.2	10.8	10.4	10.4	10.5	10.4	9.77	9.99	9.58	9.78	9.05	8.70	8.62				
70	8.39	8.20	8.01	7.83	7.69	7.49	7.07	6.61	6.69	6.69	6.07	6.31	6.43	6.32	6.07				
75	5.20	5.06	4.90	4.71	4.53	4.26	4.05	4.01	4.00	3.41	3.24	2.98	3.17	2.78	2.55				
80	3.33	3.15	2.94	2.72	2.48	2.15	1.74	1.38	1.24	1.16	1.23	0.82	0.84	0.71	0.65				
85	1.78	1.69	1.58	1.45	1.32	1.11	0.87	0.62	0.40	0.26	0.24	0.22	0.18	0.14	0.11				
90	0.17	0.16	0.16	0.16	0.16	0.17	0.17	0.18	0.19	0.20	0.21	0.23	0.24	0.26	0.29				
95	1.55	1.50	1.44	1.35	1.24	1.07	0.87	0.65	0.47	0.34	0.32	0.31	0.30	0.25	0.18				
100	2.88	2.79	2.67	2.52	2.33	2.05	1.71	1.41	1.37	1.35	1.46	1.13	1.21	1.17	1.15				
105	4.51	4.52	4.53	4.50	4.43	4.27	4.16	4.19	4.25	3.71	3.63	3.46	3.76	3.51	3.40				
110	7.83	7.80	7.77	7.76	7.74	7.66	7.32	6.92	7.09	7.20	6.62	6.92	7.16	7.16	7.05				
115	11.4	11.2	11.1	10.9	10.7	10.8	11.0	10.9	10.4	10.7	10.4	10.7	9.95	9.65	9.67				
120	15.0	15.0	15.1	15.2	15.3	14.9	14.5	14.6	15.0	14.0	14.7	13.8	14.6	14.4	13.6				
125	20.2	20.0	19.8	19.5	19.2	19.2	19.4	19.0	18.5	19.4	18.3	19.0	17.6	18.9	18.3				
130	25.1	25.0	24.9	24.8	24.9	24.8	24.3	24.9	25.1	23.4	24.4	23.6	24.0	23.1	23.9				
135	32.6	33.3	33.5	33.4	33.2	33.6	33.7	32.0	30.3	32.4	31.5	30.5	32.5	28.7	31.7				
140	48.7	48.4	48.0	47.4	46.3	43.7	41.1	43.3	45.8	43.4	41.1	44.5	41.3	40.4	42.8				
145	66.9	65.2	62.7	59.7	57.9	64.7	68.6	68.1	63.0	60.8	65.1	62.8	55.7	61.0	62.0				
150	97.2	104	110	114	116	111	104	96.8	99.4	104	99.3	88.7	90.5	99.9	95.7				
155	199	196	190	183	173	166	168	170	172	158	146	146	159	169	158				
160	296	293	290	287	285	284	278	265	252	240	250	268	286	278	266				
165	425	423	421	417	411	404	396	392	404	419	437	457	451	442	437				
170	571	571	573	575	580	587	595	606	619	634	633	633	634	636	641				
175	737	742	746	749	753	757	762	767	772	777	782	788	794	802	810				
180	891	891	891	891	891	891	891	891	891	891	891	891	891	891	891				

H(β) Range:-90 - 90DEG
H(β) Interval: 2.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2022-06-06

V(B) Range:-180 - 180DEG
V(B) Interval: 5.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.404.7
Humidity:65.0%
Test Distance:9.735m [K=1.0000]
Remarks: