

Photometrics Pro

Luminaire Photometric Report

Filename: ZS-FL24-K60-3050(3000K)

Manufacturer: Huizhou Zenith Technology Co., Ltd.

Luminaire: 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces

Luminaire Cat: ZS-FL2*4-K60-3050(3000K)

Lamp Output: 1 lamp, rated Lumens/lamp: 7521.1

Max Candela: 2,926.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 58.92

Luminous Opening: Rectangle w/Luminous Sides (L: 46.85", W: 23.03", H: 0.39")

Test: LCZP21110162

Test Date: 2021/11/30

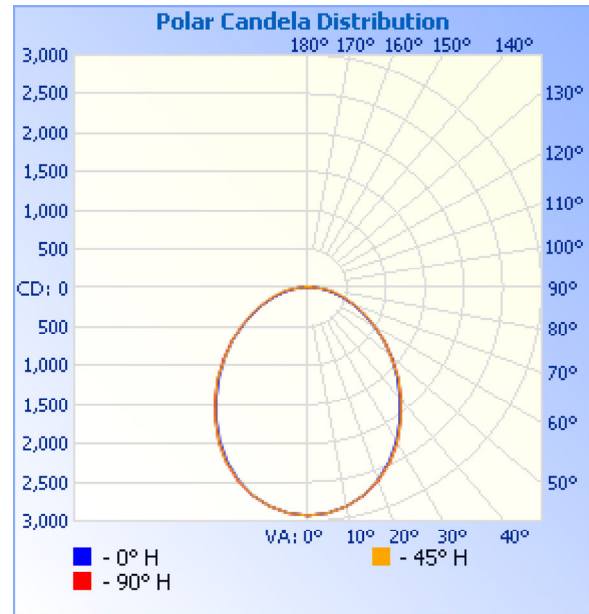
Test Lab: LCTECH 211120108006

Photometry : Type C

CIE Class: Direct

Cutoff Class: Cutoff

Nema Type: 7 X 7

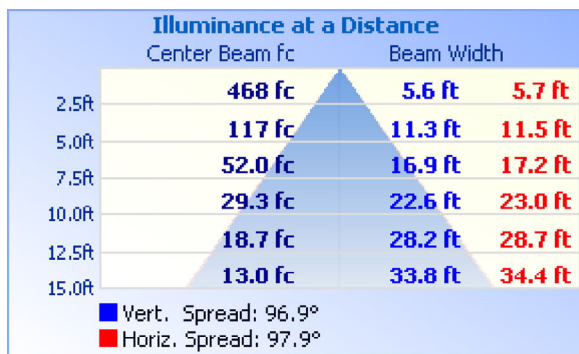


Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,186.0	29.1%	29.1%
0-40	3,477.9	46.2%	46.3%
0-60	5,798.8	77.1%	77.2%
60-90	1,541.7	20.5%	20.5%
70-100	802.8	10.7%	10.7%
90-120	115.9	1.5%	1.5%
0-90	7,340.6	97.6%	97.7%
90-180	170.1	2.3%	2.3%
0-180	7,510.7	99.9%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	275.3	3.7%	90-100	57.7	0.8%
10-20	775.8	10.3%	100-110	31.3	0.4%
20-30	1,134.9	15.1%	110-120	26.9	0.4%
30-40	1,291.9	17.2%	120-130	20.6	0.3%
40-50	1,253.5	16.7%	130-140	13.1	0.2%
50-60	1,067.5	14.2%	140-150	7.6	0.1%
60-70	796.7	10.6%	150-160	6.5	0.1%
70-80	504.4	6.7%	160-170	4.7	0.1%
80-90	240.7	3.2%	170-180	1.7	0%



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.18	1.18	1.18	1.18	1.15	1.15	1.15	.98	1.10	1.10	1.10	1.10	1.05	1.05	1.05	1.05	1.00	1.00	1.00	1.00	.98
1	1.08	1.03	.99	.95	1.05	1.00	.96	.82	.96	.92	.89	.89	.91	.89	.86	.86	.87	.85	.83	.83	.81
2	.98	.90	.83	.77	.95	.88	.82	.69	.84	.79	.74	.74	.80	.76	.72	.72	.77	.73	.70	.70	.68
3	.90	.79	.71	.65	.87	.78	.70	.59	.74	.68	.63	.63	.71	.66	.61	.61	.68	.64	.60	.60	.58
4																					

5	.82	.71	.62	.55	.80	.69	.61	.51	.66	.59	.54	.64	.58	.53	.61	.56	.52	.50
6	.76	.63	.54	.48	.74	.62	.54	.45	.60	.52	.47	.57	.51	.46	.55	.50	.45	.43
7	.70	.57	.48	.42	.68	.56	.48	.40	.54	.47	.41	.52	.46	.41	.50	.45	.40	.38
8	.65	.52	.43	.37	.63	.51	.43	.36	.49	.42	.37	.48	.41	.36	.46	.40	.36	.34
9	.61	.48	.39	.33	.59	.47	.39	.32	.45	.38	.33	.44	.37	.33	.43	.37	.32	.30
10	.57	.44	.36	.30	.55	.43	.35	.29	.42	.35	.30	.41	.34	.30	.39	.34	.29	.27
	.53	.40	.33	.27	.52	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25

Candela Table - Type C

	0	15	30	45	60	75	90
0	2926	2926	2926	2926	2926	2926	2926
5	2906	2907	2908	2908	2907	2906	2907
10	2849	2848	2851	2850	2853	2852	2852
15	2759	2753	2758	2759	2763	2762	2761
20	2623	2621	2631	2631	2637	2636	2640
25	2455	2459	2468	2473	2478	2478	2478
30	2264	2266	2279	2285	2313	2288	2292
35	2052	2053	2065	2073	2076	2078	2076
40	1829	1831	1843	1847	1854	1857	1863
45	1615	1615	1614	1642	1632	1636	1640
50	1394	1396	1398	1393	1403	1415	1416
55	1184	1185	1187	1192	1196	1202	1201
60	980	979	1006	992	993	996	993
65	787	794	798	804	811	803	801
70	614	620	628	635	637	629	623
75	455	480	474	482	480	471	464
80	315	327	343	350	346	330	314
85	201	215	234	240	233	214	194
90	113	93	108	114	110	100	85
95	31	34	35	38	44	47	46
100	10	16	28	31	34	36	36
105	28	27	31	33	33	32	31
110	26	23	28	32	32	28	29
115	25	23	27	30	30	26	27
120	25	24	26	28	27	25	25
125	24	23	20	26	21	23	24
130	23	21	19	19	19	21	22
135	21	20	17	8	17	19	20
140	18	16	10	9	9	14	18
145	12	12	11	11	11	11	11
150	14	13	13	13	13	13	13
155	15	15	14	14	14	14	14
160	16	16	15	15	15	15	15
165	17	17	17	17	17	16	17
170	18	18	19	18	18	18	18
175	20	20	20	19	19	20	20
180	10	10	10	10	10	10	10

Luminaire Report Summary

IESNA: LM-63-2002

[TEST] LCZP21110162
[TESTLAB] LCTECH 211120108006
[TESTDATE] 2021/11/30
[ISSUE DATE] 2021/11/30
[MANUFAC] Huizhou Zenith Technology Co., Ltd.
[LUMCAT] ZS-FL2*4-K60-3050(3000K)
[LUMINAIRE] 2x4 Luminaires for Ambient Lighting of Interior Commercial Spaces
[LAMPCAT]
[LAMP]
[LumELE] 119.99 0.494 58.92 0.9932
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 7
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.