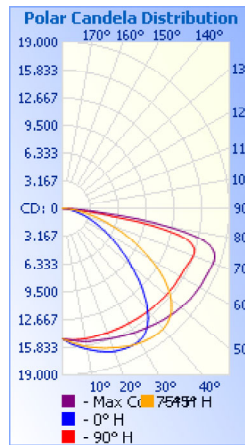


Photometrics Pro

Luminaire Photometric Report

Filename: Shoebox SB7 450W T3 - 480V
Manufacturer: SARIN Energy Inc
Luminaire: SES-SB7-4000-450-T3-480V
Lamp Output: 1 lamp, rated Lumens/lamp: 56013
Max Candela: 18,243.9 at Horizontal: 75°, Vertical: 71°
Input Wattage: 441.5
Luminous Opening: Point
Test Date: 2018-7-27
Test Lab: Shenzhen Belling Test Laboratory
Photometry : Type C
Nema Type: 7 X 7

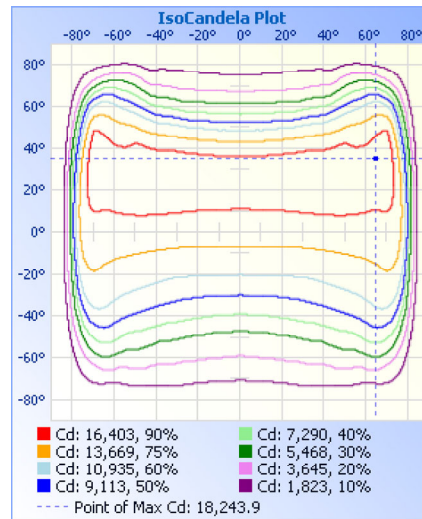
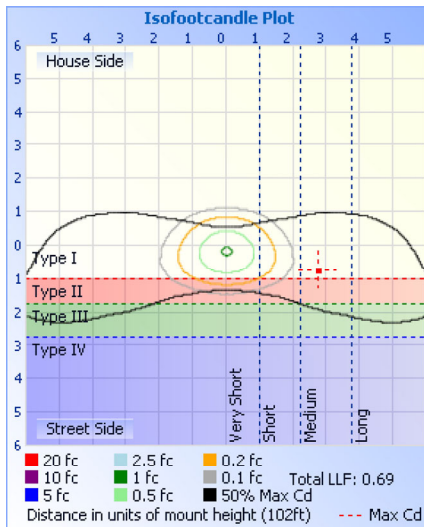


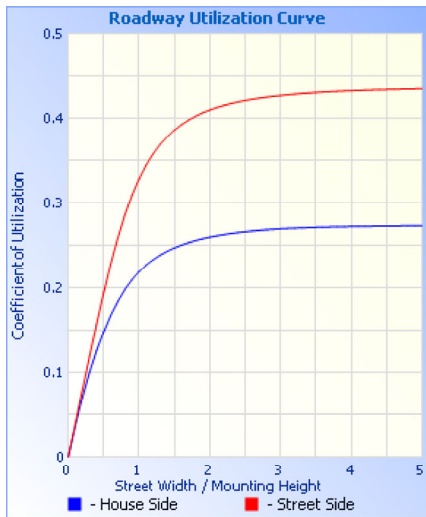
Roadway Summary			
Cutoff Classification:	NONCUTOFF		
Distribution:	TYPE III, MEDIUM		
Max Cd, 90 Deg Vert:	33.1		
Max Cd, 80 to <90 Deg:	12,473.8		
	Lumens	% Lamp	
Downward Street Side:	34,393.0	61.4%	
Downward House Side:	21,496.5	38.4%	
Downward Total:	55,889.5	99.8%	
Upward Street Side:	56.6	0.1%	
Upward House Side:	66.8	0.1%	
Upward Total:	123.4	0.2%	
Total Lumens:	56,013.0	100%	

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.5%	55,160.0	167.3	151.9
Beam (50%):	79.2%	44,351.2	157	111.2
Total:	100%	55,987.2		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	12,168.0	21.7%	21.7%
0-40	20,797.0	37.1%	37.1%
0-60	40,001.5	71.4%	71.4%
60-90	15,884.5	28.4%	28.4%
70-100	7,483.4	13.4%	13.4%
90-120	48.8	0.1%	0.1%
0-90	55,886.0	99.8%	99.8%
90-180	123.4	0.2%	0.2%
0-180	56,009.4	100%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,411.4	2.5%	90-100	13.9	0%
10-20	4,141.0	7.4%	100-110	16.1	0%
20-30	6,615.6	11.8%	110-120	18.7	0%
30-40	8,629.0	15.4%	120-130	19.2	0%
40-50	9,683.4	17.3%	130-140	18.0	0%
50-60	9,521.1	17.0%	140-150	15.6	0%
60-70	8,415.1	15.0%	150-160	12.0	0%
70-80	6,142.3	11.0%	160-170	7.3	0%
80-90	1,327.2	2.4%	170-180	2.4	0%





Illuminance at a Distance

Height	Center Beam fc	Beam Width
16.7ft	53.0 fc	48.8 ft 164.4 ft
33.3ft	13.3 fc	97.2 ft 327.8 ft
50.0ft	5.92 fc	146.0 ft 492.1 ft
66.7ft	3.32 fc	194.7 ft 656.5 ft
83.3ft	2.13 fc	243.2 ft 819.9 ft
100.0ft	1.48 fc	292.0 ft 984.2 ft

■ Vert. Spread: 111.2°
■ Horiz. Spread: 157.0°

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	50	30	20	0
RCC: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	1.00	1.00	1.00
1	1.07	1.02	.97	.93	1.05	1.00	.95	.82	.95	.92	.88	.88	.91	.88	.86	.86	.88	.85	.83	.83	.81	.81	.81	.81
2	.96	.87	.80	.73	.94	.85	.78	.67	.82	.76	.71	.71	.78	.73	.69	.69	.75	.71	.67	.67	.65	.65	.65	.65
3	.87	.76	.67	.60	.85	.74	.66	.55	.71	.64	.58	.58	.68	.62	.57	.57	.65	.60	.56	.56	.53	.53	.53	.53
4	.79	.66	.57	.49	.77	.65	.56	.47	.62	.54	.48	.48	.60	.53	.48	.48	.58	.52	.47	.47	.45	.45	.45	.45
5	.73	.59	.49	.42	.70	.58	.48	.40	.55	.47	.41	.41	.53	.46	.41	.41	.51	.45	.40	.40	.38	.38	.38	.38
6	.67	.52	.43	.36	.65	.51	.42	.35	.50	.42	.36	.36	.48	.41	.35	.35	.46	.40	.35	.35	.33	.33	.33	.33
7	.62	.47	.38	.32	.60	.46	.38	.30	.45	.37	.31	.31	.43	.36	.31	.31	.42	.35	.31	.31	.28	.28	.28	.28
8	.57	.43	.34	.28	.56	.42	.34	.27	.41	.33	.28	.28	.40	.32	.27	.27	.38	.32	.27	.27	.25	.25	.25	.25
9	.53	.39	.31	.25	.52	.39	.30	.24	.37	.30	.25	.25	.36	.29	.24	.24	.35	.29	.24	.24	.22	.22	.22	.22
10	.50	.36	.28	.22	.49	.36	.28	.22	.35	.27	.22	.22	.34	.27	.22	.22	.33	.26	.22	.22	.20	.20	.20	.20

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Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[TESTDATE] 2018-7-27
[TESTLAB] Shenzhen Belling Test Laboratory
[ISSUE DATE] 2018-7-27
[MANUFAC] SARIN Energy Inc
[LUMINAIRE] SES-SB7-4000-450-T3-480V
[_TOTALLUMINAIRELUMENS] 56009.4
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 25
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.