

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: METALUX

Report Number: P290295

Luminaire Tested: **4SSRK-SLC-80-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290295
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-16)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLC-80-L950-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8067.0 lumens
Efficiency: N/A
Efficacy: 128.3 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

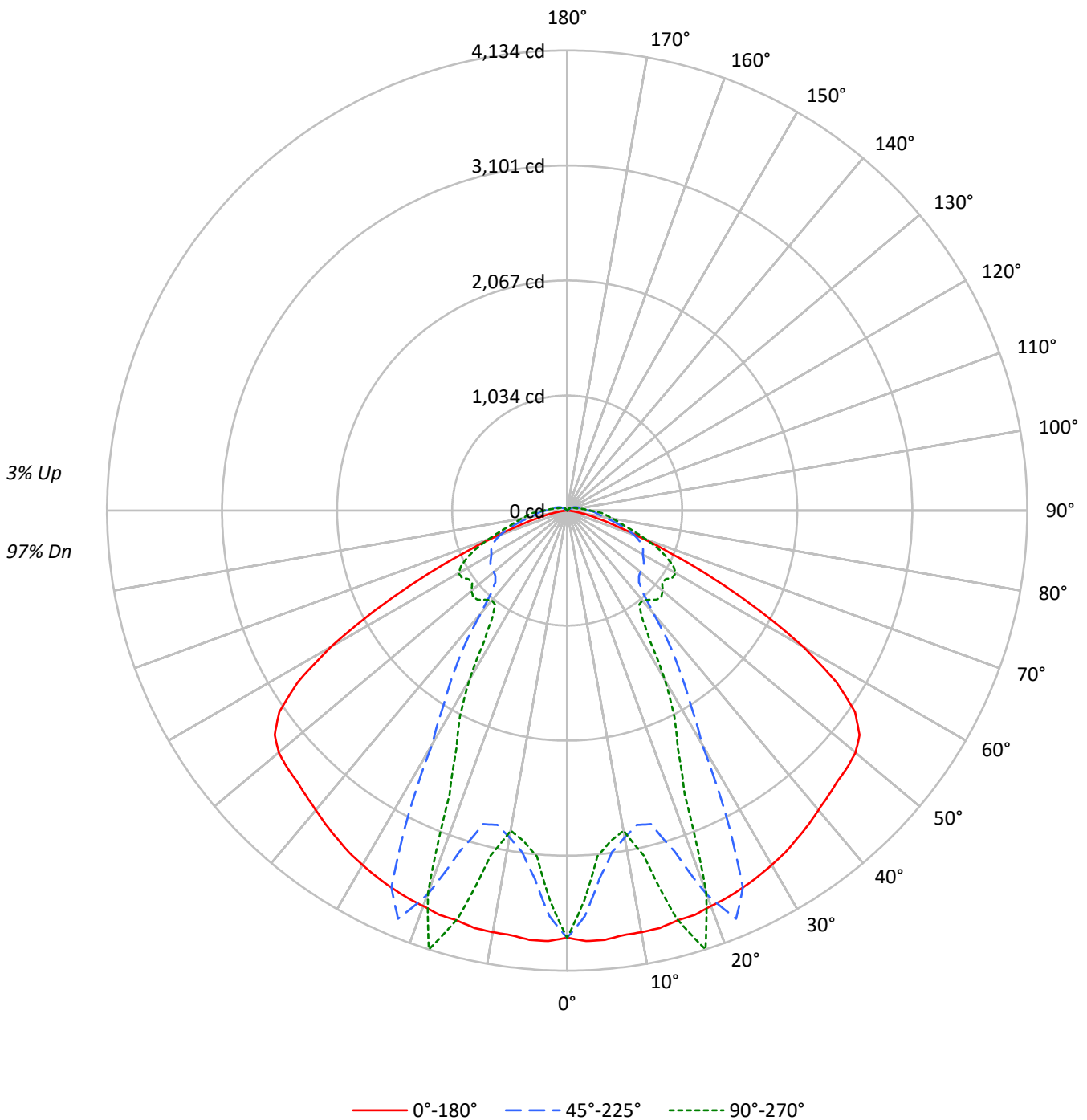
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	99	99	99	97	
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	87	85	83	81	
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	77	74	71	69	
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	69	65	61	59	
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	62	57	53	51	
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	57	51	47	45	
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	52	46	42	40	
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	48	42	38	36	
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	44	38	34	32	
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	41	35	31	29	
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	38	33	29	27	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	247773	247773	247773
5°	250025	172147	149757
10°	250346	129966	112226
15°	252127	110434	122357
20°	255951	123716	102271
25°	261242	114087	58418
30°	267702	68307	39570
35°	275744	46512	24222
40°	286092	29909	20367
45°	301306	21629	20706
50°	323678	19603	19527
55°	335419	18666	18061
60°	295457	17037	18350
65°	205260	16030	15698
70°	118009	13627	11805
75°	65951	10291	8399
80°	36310	7264	6495
85°	16263	5831	5316



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	318.7	4.0
10°-20°	957.2	11.9
20°-30°	1409.0	17.5
30°-40°	1376.4	17.1
40°-50°	1141.0	14.1
50°-60°	1047.6	13.0
60°-70°	830.1	10.3
70°-80°	460.9	5.7
80°-90°	244.1	3.0
90°-100°	128.4	1.6
100°-110°	77.3	1.0
110°-120°	44.1	0.5
120°-130°	24.4	0.3
130°-140°	7.7	0.1
140°-150°	0.2	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2684.9	33.3
0°-40°	4061.3	50.3
0°-60°	6249.9	77.5
0°-90°	7785.0	96.5
90°-120°	249.8	3.1
90°-150°	282.0	3.5
90°-180°	282.0	3.5
0°-180°	8067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3836	3836	3836	3836	3836	
5°	3871	3654	3319	3178	3118	368
15°	3813	3045	2916	3572	3791	1082
25°	3737	2908	3735	2546	2349	1727
35°	3600	3471	1770	1265	1168	2259
45°	3436	1570	914	1042	1134	2665
55°	3156	699	842	1009	1077	2741
65°	1463	454	748	949	984	1481
75°	305	277	481	514	536	362
85°	32	136	265	322	335	45
90°	1	99	194	212	210	1
95°	2	78	150	157	150	1
105°	2	52	105	91	82	2
115°	2	6	68	65	60	2
125°	2	2	32	50	50	2
135°	2	2	2	22	27	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3836.5	3836.5	3836.5	3836.5	3836.5
2.5°	3870.7	3801.3	3647.2	3542.7	3507.6
5°	3870.7	3653.6	3319.3	3177.8	3118.4
7.5°	3847.3	3466.1	3094.9	3033.7	2994.9
10°	3845.5	3266.1	2980.5	2929.2	2918.3
12.5°	3841.0	3155.3	2892.2	3074.2	3172.4
15°	3813.0	3045.4	2916.5	3571.6	3791.4
17.5°	3808.5	2963.4	3212.1	4041.0	4133.8
20°	3780.6	2898.5	3672.5	3981.5	3654.5
22.5°	3762.6	2853.5	3968.9	3203.1	2758.0
25°	3737.3	2907.5	3734.6	2546.2	2348.9
27.5°	3708.5	3081.4	3095.8	2216.5	2085.8
30°	3676.1	3353.5	2427.3	1937.2	1756.0
32.5°	3643.6	3552.6	2066.0	1590.3	1377.6
35°	3599.5	3470.7	1770.5	1265.0	1167.7
37.5°	3558.0	3092.2	1501.1	1092.0	1064.1
40°	3512.1	2491.3	1205.5	1023.5	1052.4
42.5°	3473.4	1975.0	1012.7	1016.3	1087.5
45°	3436.4	1569.5	913.6	1042.5	1133.5
47.5°	3414.8	1247.9	874.0	1074.0	1147.0
50°	3381.5	1000.1	859.6	1080.3	1120.8
52.5°	3311.2	824.4	855.0	1047.0	1074.9
55°	3156.2	699.2	842.4	1009.1	1076.7
57.5°	2870.6	621.7	813.6	1017.2	1120.8
60°	2452.5	561.3	784.8	1043.4	1126.3
62.5°	1951.6	506.4	769.5	1021.7	1073.1
65°	1463.2	454.1	747.8	948.8	983.9
67.5°	1024.4	409.1	699.2	857.8	876.7
70°	696.5	365.8	638.8	741.5	749.6
72.5°	468.5	322.6	564.0	621.7	634.3
75°	305.4	276.6	481.1	513.6	536.1
77.5°	194.6	235.2	399.1	440.6	469.4
80°	120.7	194.6	336.1	395.5	413.6
82.5°	67.6	162.2	291.0	353.2	363.1
85°	32.4	136.1	264.9	321.7	335.2
87.5°	8.1	115.3	233.4	266.7	266.7
90°	0.9	99.1	193.7	211.7	209.9
92.5°	0.9	87.4	168.5	180.2	176.6
95°	1.8	78.4	150.5	156.8	149.6
97.5°	1.8	73.9	138.8	134.2	123.4
100°	1.8	68.5	126.1	114.4	102.7
102.5°	1.8	61.3	115.3	100.9	91.0
105°	1.8	52.3	105.4	91.0	82.0
107.5°	1.8	41.4	94.6	82.9	75.7
110°	1.8	29.7	84.7	76.6	71.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	18.0	76.6	71.2	66.7
115°	1.8	6.3	68.5	64.9	60.4
117.5°	1.8	2.7	60.4	62.2	56.8
120°	1.8	2.7	50.5	58.6	54.1
122.5°	1.8	2.7	41.4	55.0	52.3
125°	1.8	1.8	31.5	50.5	49.6
127.5°	1.8	1.8	21.6	44.1	46.0
130°	1.8	1.8	10.8	36.0	40.5
132.5°	1.8	1.8	1.8	29.7	33.3
135°	1.8	1.8	1.8	21.6	27.0
137.5°	1.8	1.8	1.8	10.8	19.8
140°	1.8	1.8	1.8	1.8	8.1
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)