

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: P290287

Luminaire Tested: **4SSRK-SLC-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290287
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-60-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

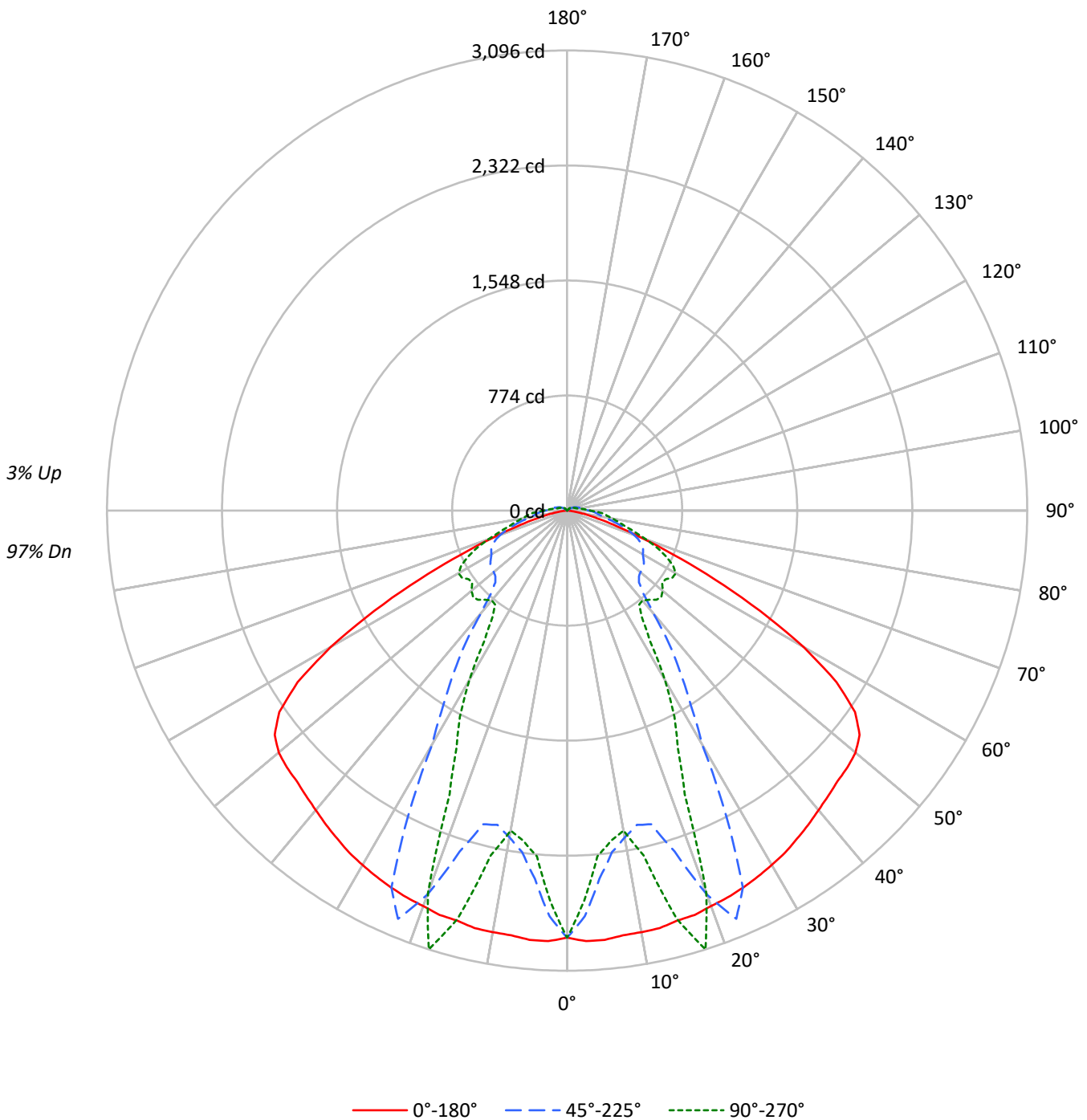
Lumens per Lamp: N/A
Luminaire Lumens: 6042.0 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 44.8
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	0
RCR																		
0	118	118	118	118	115	115	115	115	109	109	109	104	104	104	99	99	99	97
1	108	103	99	95	105	101	97	93	96	93	90	91	89	87	87	85	83	81
2	99	91	84	79	96	89	83	78	85	80	75	81	77	73	77	74	71	69
3	91	81	73	67	88	79	72	66	75	69	64	72	67	63	69	65	61	59
4	84	72	64	57	81	71	63	57	68	61	56	65	59	54	62	57	53	51
5	77	65	56	50	75	64	56	50	61	54	49	59	53	48	57	51	47	45
6	72	59	50	44	70	58	50	44	56	49	43	54	47	43	52	46	42	40
7	67	54	45	40	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	36	61	49	41	35	47	40	35	46	39	35	44	38	34	32
9	58	46	38	32	57	45	37	32	44	37	32	42	36	32	41	35	31	29
10	55	42	35	30	54	42	34	30	40	34	29	39	33	29	38	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	185573	185573	185573
5°	187265	128935	112164
10°	187504	97341	84057
15°	188841	82713	91643
20°	191702	92660	76598
25°	195668	85451	43755
30°	200501	51161	29637
35°	206523	34835	18142
40°	214278	22401	15254
45°	225673	16201	15507
50°	242421	14681	14626
55°	251219	13982	13527
60°	221294	12760	13742
65°	153735	12007	11757
70°	88376	10207	8843
75°	49409	7709	6290
80°	27195	5440	4863
85°	12197	4367	3981



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	4.0
10°-20°	716.9	11.9
20°-30°	1055.3	17.5
30°-40°	1030.9	17.1
40°-50°	854.6	14.1
50°-60°	784.6	13.0
60°-70°	621.7	10.3
70°-80°	345.2	5.7
80°-90°	182.8	3.0
90°-100°	96.1	1.6
100°-110°	57.9	1.0
110°-120°	33.0	0.5
120°-130°	18.2	0.3
130°-140°	5.7	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°	2010.9	33.3
0°-40°	3041.8	50.3
0°-60°	4681.0	77.5
0°-90°	5830.8	96.5
90°-120°	187.0	3.1
90°-150°	211.2	3.5
90°-180°	211.0	3.5
0°-180°	6042.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2873	2873	2873	2873	2873	
5°	2899	2736	2486	2380	2336	276
15°	2856	2281	2184	2675	2840	810
25°	2799	2178	2797	1907	1759	1293
35°	2696	2599	1326	948	875	1692
45°	2574	1176	684	781	849	1996
55°	2364	524	631	756	806	2053
65°	1096	340	560	711	737	1109
75°	229	207	360	385	402	271
85°	24	102	198	241	251	33
90°	1	74	145	159	157	1
95°	1	59	113	117	112	1
105°	1	39	79	68	61	1
115°	1	5	51	49	45	1
125°	1	1	24	38	37	1
135°	1	1	1	16	20	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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CATALOG NUMBER: 4SSRK-SLC-60-L950-CD1-U

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2873.4	2873.4	2873.4	2873.4	2873.4
2.5°	2899.1	2847.1	2731.7	2653.4	2627.1
5°	2899.1	2736.4	2486.1	2380.1	2335.6
7.5°	2881.5	2596.1	2318.0	2272.1	2243.1
10°	2880.2	2446.2	2232.3	2193.9	2185.8
12.5°	2876.8	2363.2	2166.2	2302.5	2376.1
15°	2855.9	2280.9	2184.4	2675.0	2839.7
17.5°	2852.5	2219.5	2405.8	3026.6	3096.1
20°	2831.6	2170.9	2750.6	2982.1	2737.1
22.5°	2818.1	2137.2	2972.6	2399.0	2065.6
25°	2799.2	2177.7	2797.2	1907.1	1759.3
27.5°	2777.6	2307.9	2318.7	1660.1	1562.2
30°	2753.3	2511.7	1818.0	1450.9	1315.2
32.5°	2729.0	2660.8	1547.4	1191.1	1031.8
35°	2695.9	2599.4	1326.0	947.5	874.6
37.5°	2664.9	2316.0	1124.3	817.9	797.0
40°	2630.5	1865.9	902.9	766.6	788.2
42.5°	2601.5	1479.2	758.5	761.2	814.5
45°	2573.8	1175.5	684.3	780.8	848.9
47.5°	2557.6	934.6	654.6	804.4	859.1
50°	2532.6	749.1	643.8	809.1	839.5
52.5°	2480.0	617.5	640.4	784.1	805.1
55°	2363.9	523.7	631.0	755.8	806.4
57.5°	2150.0	465.6	609.4	761.9	839.5
60°	1836.9	420.4	587.8	781.4	843.5
62.5°	1461.7	379.3	576.3	765.3	803.7
65°	1095.9	340.1	560.1	710.6	736.9
67.5°	767.3	306.4	523.7	642.4	656.6
70°	521.6	274.0	478.5	555.4	561.5
72.5°	350.9	241.6	422.4	465.6	475.1
75°	228.8	207.2	360.4	384.7	401.5
77.5°	145.8	176.1	298.9	330.0	351.6
80°	90.4	145.8	251.7	296.2	309.7
82.5°	50.6	121.5	218.0	264.5	272.0
85°	24.3	101.9	198.4	240.9	251.0
87.5°	6.1	86.4	174.8	199.7	199.7
90°	0.7	74.2	145.1	158.6	157.2
92.5°	0.7	65.5	126.2	135.0	132.3
95°	1.3	58.7	112.7	117.4	112.0
97.5°	1.3	55.3	103.9	100.5	92.5
100°	1.3	51.3	94.5	85.7	76.9
102.5°	1.3	45.9	86.4	75.6	68.2
105°	1.3	39.1	79.0	68.2	61.4
107.5°	1.3	31.0	70.9	62.1	56.7
110°	1.3	22.3	63.4	57.4	53.3



TEST NUMBER: P290287

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	13.5	57.4	53.3	49.9
115°	1.3	4.7	51.3	48.6	45.2
117.5°	1.3	2.0	45.2	46.6	42.5
120°	1.3	2.0	37.8	43.9	40.5
122.5°	1.3	2.0	31.0	41.2	39.1
125°	1.3	1.3	23.6	37.8	37.1
127.5°	1.3	1.3	16.2	33.1	34.4
130°	1.3	1.3	8.1	27.0	30.4
132.5°	1.3	1.3	1.3	22.3	25.0
135°	1.3	1.3	1.3	16.2	20.2
137.5°	1.3	1.3	1.3	8.1	14.8
140°	1.3	1.3	1.3	1.3	6.1
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)