

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: P290285

Luminaire Tested: **4SSRK-SLC-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290285
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-L935-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

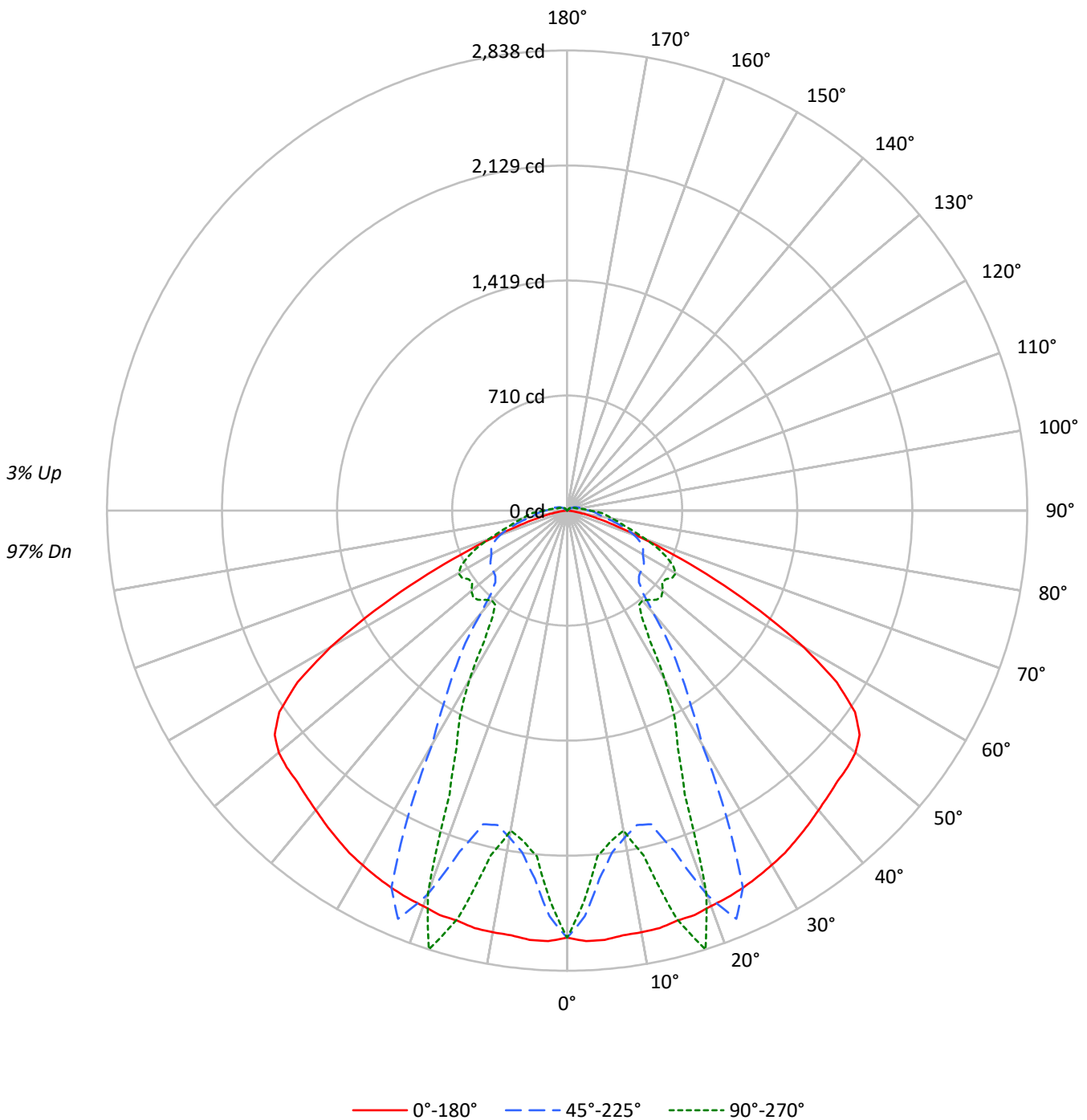
Lumens per Lamp: N/A
Luminaire Lumens: 5539.0 lumens
Efficiency: N/A
Efficacy: 123.6 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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	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°	170124	170124	170124
5°	171672	118200	102823
10°	171893	89239	77058
15°	173117	75829	84014
20°	175738	84945	70220
25°	179381	78336	40111
30°	183810	46900	27169
35°	189332	31935	16632
40°	196439	20538	13984
45°	206883	14851	14217
50°	222243	13459	13408
55°	230304	12816	12401
60°	202874	11697	12599
65°	140941	11008	10779
70°	81022	9356	8106
75°	45284	7067	5767
80°	24939	4988	4460
85°	11194	4004	3650



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.8	4.0
10°-20°	657.2	11.9
20°-30°	967.4	17.5
30°-40°	945.1	17.1
40°-50°	783.5	14.1
50°-60°	719.3	13.0
60°-70°	570.0	10.3
70°-80°	316.5	5.7
80°-90°	167.6	3.0
90°-100°	88.1	1.6
100°-110°	53.1	1.0
110°-120°	30.3	0.5
120°-130°	16.7	0.3
130°-140°	5.3	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°	1843.5	33.3
0°-40°	2788.6	50.3
0°-60°	4291.3	77.5
0°-90°	5345.4	96.5
90°-120°	171.5	3.1
90°-150°	193.6	3.5
90°-180°	194.0	3.5
0°-180°	5539.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2634	2634	2634	2634	2634	
5°	2658	2509	2279	2182	2141	253
15°	2618	2091	2003	2452	2603	743
25°	2566	1996	2564	1748	1613	1186
35°	2472	2383	1216	869	802	1551
45°	2360	1078	627	716	778	1830
55°	2167	480	578	693	739	1882
65°	1005	312	514	651	676	1017
75°	210	190	330	353	368	249
85°	22	93	182	221	230	31
90°	1	68	133	145	144	1
95°	1	54	103	108	103	1
105°	1	36	72	62	56	1
115°	1	4	47	44	41	1
125°	1	1	22	35	34	1
135°	1	1	1	15	19	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°	2634.2	2634.2	2634.2	2634.2	2634.2
2.5°	2657.7	2610.1	2504.3	2432.5	2408.4
5°	2657.7	2508.6	2279.1	2182.0	2141.1
7.5°	2641.6	2379.9	2125.1	2083.0	2056.4
10°	2640.4	2242.6	2046.5	2011.2	2003.8
12.5°	2637.3	2166.5	1985.9	2110.8	2178.3
15°	2618.1	2091.0	2002.6	2452.3	2603.3
17.5°	2615.0	2034.7	2205.5	2774.6	2838.4
20°	2595.8	1990.2	2521.6	2733.8	2509.2
22.5°	2583.5	1959.3	2725.1	2199.3	1893.7
25°	2566.2	1996.4	2564.3	1748.3	1612.8
27.5°	2546.4	2115.8	2125.7	1521.9	1432.2
30°	2524.1	2302.6	1666.6	1330.1	1205.7
32.5°	2501.8	2439.3	1418.6	1091.9	945.9
35°	2471.5	2383.0	1215.6	868.6	801.8
37.5°	2443.0	2123.2	1030.7	749.8	730.6
40°	2411.5	1710.6	827.8	702.8	722.6
42.5°	2384.9	1356.1	695.4	697.8	746.7
45°	2359.5	1077.7	627.3	715.8	778.3
47.5°	2344.7	856.8	600.1	737.4	787.5
50°	2321.8	686.7	590.2	741.8	769.6
52.5°	2273.5	566.1	587.1	718.9	738.0
55°	2167.1	480.1	578.4	692.9	739.3
57.5°	1971.0	426.9	558.6	698.5	769.6
60°	1684.0	385.4	538.8	716.4	773.3
62.5°	1340.0	347.7	528.3	701.5	736.8
65°	1004.7	311.8	513.5	651.4	675.6
67.5°	703.4	280.9	480.1	589.0	601.9
70°	478.2	251.2	438.6	509.1	514.7
72.5°	321.7	221.5	387.3	426.9	435.5
75°	209.7	189.9	330.4	352.6	368.1
77.5°	133.6	161.5	274.1	302.5	322.3
80°	82.9	133.6	230.8	271.6	284.0
82.5°	46.4	111.4	199.8	242.5	249.3
85°	22.3	93.4	181.9	220.9	230.1
87.5°	5.6	79.2	160.2	183.1	183.1
90°	0.6	68.1	133.0	145.4	144.1
92.5°	0.6	60.0	115.7	123.7	121.3
95°	1.2	53.8	103.3	107.6	102.7
97.5°	1.2	50.7	95.3	92.2	84.8
100°	1.2	47.0	86.6	78.6	70.5
102.5°	1.2	42.1	79.2	69.3	62.5
105°	1.2	35.9	72.4	62.5	56.3
107.5°	1.2	28.5	65.0	56.9	52.0
110°	1.2	20.4	58.2	52.6	48.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	12.4	52.6	48.9	45.8
115°	1.2	4.3	47.0	44.5	41.4
117.5°	1.2	1.9	41.4	42.7	39.0
120°	1.2	1.9	34.6	40.2	37.1
122.5°	1.2	1.9	28.5	37.7	35.9
125°	1.2	1.2	21.7	34.6	34.0
127.5°	1.2	1.2	14.8	30.3	31.6
130°	1.2	1.2	7.4	24.7	27.8
132.5°	1.2	1.2	1.2	20.4	22.9
135°	1.2	1.2	1.2	14.8	18.6
137.5°	1.2	1.2	1.2	7.4	13.6
140°	1.2	1.2	1.2	1.2	5.6
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)