

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: P290288

Luminaire Tested: **4SSRK-SLC-60-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290288
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-L830-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

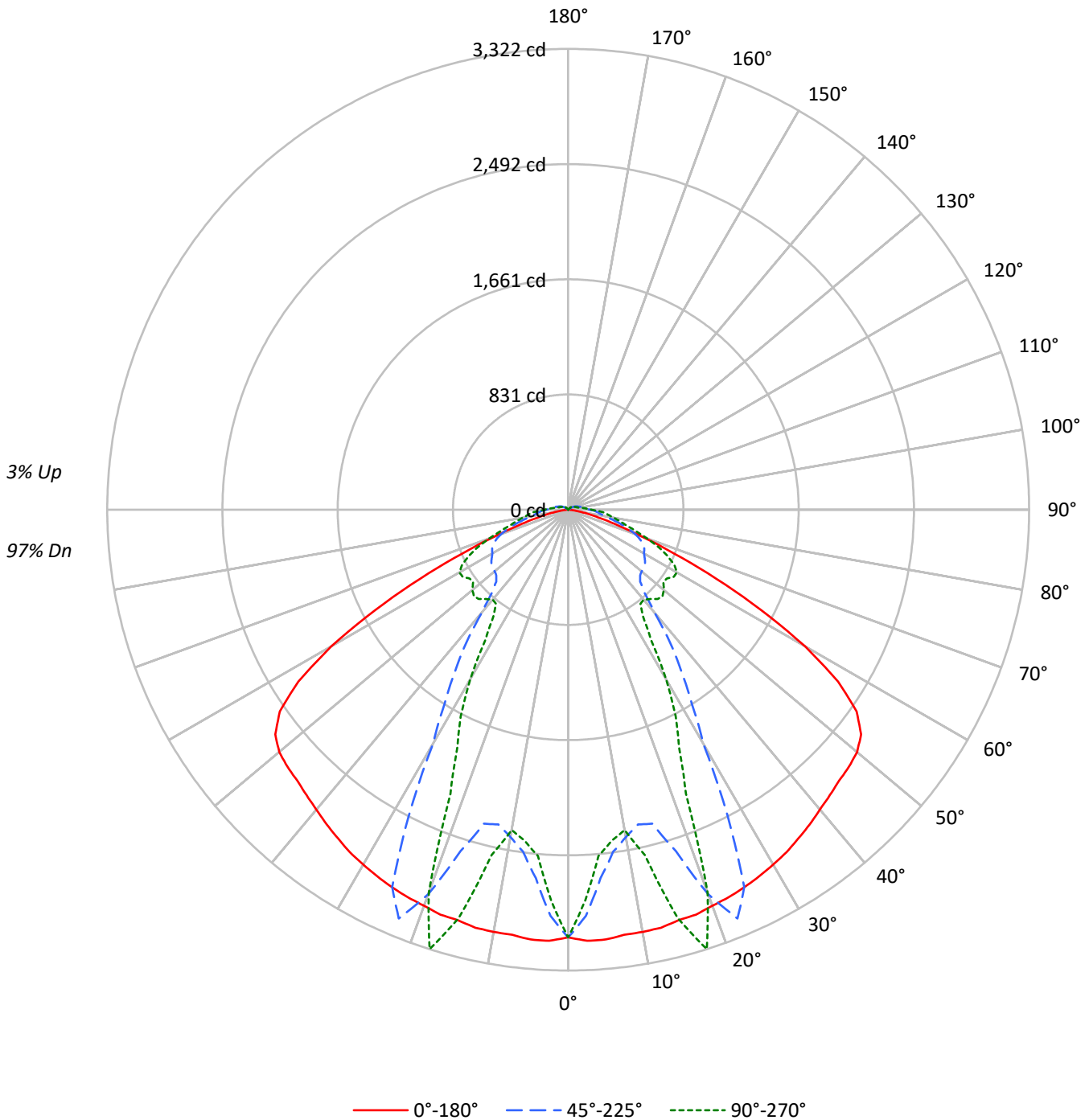
Lumens per Lamp: N/A
Luminaire Lumens: 6482.2 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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°	199096	199096	199096
5°	200907	138327	120338
10°	201162	104435	90179
15°	202601	88741	98320
20°	205669	99411	82178
25°	209921	91677	46943
30°	215109	54887	31798
35°	221576	37375	19463
40°	229886	24034	16365
45°	242113	17380	16638
50°	260091	15751	15692
55°	269530	14999	14513
60°	237413	13689	14744
65°	164943	12881	12614
70°	94814	10950	9487
75°	52994	8269	6749
80°	29181	5838	5218
85°	13101	4686	4271



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.1	4.0
10°-20°	769.2	11.9
20°-30°	1132.2	17.5
30°-40°	1106.0	17.1
40°-50°	916.9	14.1
50°-60°	841.8	13.0
60°-70°	667.0	10.3
70°-80°	370.4	5.7
80°-90°	196.2	3.0
90°-100°	103.1	1.6
100°-110°	62.1	1.0
110°-120°	35.4	0.5
120°-130°	19.6	0.3
130°-140°	6.2	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°	2157.4	33.3
0°-40°	3263.4	50.3
0°-60°	5022.1	77.5
0°-90°	6255.6	96.5
90°-120°	200.7	3.1
90°-150°	226.6	3.5
90°-180°	227.0	3.5
0°-180°	6482.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3083	3083	3083	3083	3083	
5°	3110	2936	2667	2554	2506	296
15°	3064	2447	2344	2870	3047	869
25°	3003	2336	3001	2046	1888	1388
35°	2892	2789	1423	1016	938	1815
45°	2761	1261	734	838	911	2141
55°	2536	562	677	811	865	2202
65°	1176	365	601	762	791	1190
75°	245	222	387	413	431	291
85°	26	109	213	258	269	36
90°	1	80	156	170	169	1
95°	1	63	121	126	120	1
105°	1	42	85	73	66	1
115°	1	5	55	52	48	1
125°	1	1	25	40	40	1
135°	1	1	1	17	22	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°	3082.8	3082.8	3082.8	3082.8	3082.8
2.5°	3110.3	3054.5	2930.7	2846.8	2818.5
5°	3110.3	2935.8	2667.2	2553.5	2505.8
7.5°	3091.5	2785.2	2486.9	2437.7	2406.6
10°	3090.0	2624.5	2395.0	2353.7	2345.0
12.5°	3086.4	2535.4	2324.0	2470.3	2549.2
15°	3064.0	2447.1	2343.6	2869.9	3046.6
17.5°	3060.3	2381.2	2581.0	3247.1	3321.7
20°	3037.9	2329.1	2951.0	3199.3	2936.5
22.5°	3023.4	2292.9	3189.2	2573.8	2216.2
25°	3003.1	2336.3	3001.0	2046.0	1887.5
27.5°	2980.0	2476.1	2487.7	1781.0	1676.1
30°	2953.9	2694.7	1950.4	1556.6	1411.1
32.5°	2927.8	2854.7	1660.1	1277.9	1107.0
35°	2892.4	2788.8	1422.7	1016.5	938.3
37.5°	2859.1	2484.8	1206.2	877.5	855.0
40°	2822.1	2001.8	968.7	822.5	845.6
42.5°	2791.0	1587.0	813.8	816.7	873.9
45°	2761.3	1261.2	734.1	837.7	910.8
47.5°	2743.9	1002.7	702.3	863.0	921.6
50°	2717.2	803.6	690.7	868.1	900.7
52.5°	2660.7	662.5	687.1	841.3	863.7
55°	2536.2	561.8	676.9	810.9	865.2
57.5°	2306.7	499.6	653.8	817.4	900.7
60°	1970.7	451.0	630.6	838.4	905.0
62.5°	1568.2	406.9	618.3	821.0	862.3
65°	1175.8	364.9	600.9	762.4	790.6
67.5°	823.2	328.7	561.8	689.2	704.4
70°	559.6	293.9	513.3	595.8	602.4
72.5°	376.5	259.2	453.2	499.6	509.7
75°	245.4	222.3	386.6	412.7	430.8
77.5°	156.4	189.0	320.7	354.0	377.2
80°	97.0	156.4	270.1	317.8	332.3
82.5°	54.3	130.3	233.9	283.8	291.8
85°	26.1	109.3	212.9	258.5	269.3
87.5°	6.5	92.7	187.5	214.3	214.3
90°	0.7	79.6	155.7	170.1	168.7
92.5°	0.7	70.2	135.4	144.8	141.9
95°	1.4	63.0	120.9	126.0	120.2
97.5°	1.4	59.4	111.5	107.9	99.2
100°	1.4	55.0	101.4	91.9	82.5
102.5°	1.4	49.2	92.7	81.1	73.1
105°	1.4	42.0	84.7	73.1	65.9
107.5°	1.4	33.3	76.0	66.6	60.8
110°	1.4	23.9	68.1	61.5	57.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	14.5	61.5	57.2	53.6
115°	1.4	5.1	55.0	52.1	48.5
117.5°	1.4	2.2	48.5	50.0	45.6
120°	1.4	2.2	40.5	47.1	43.4
122.5°	1.4	2.2	33.3	44.2	42.0
125°	1.4	1.4	25.3	40.5	39.8
127.5°	1.4	1.4	17.4	35.5	36.9
130°	1.4	1.4	8.7	29.0	32.6
132.5°	1.4	1.4	1.4	23.9	26.8
135°	1.4	1.4	1.4	17.4	21.7
137.5°	1.4	1.4	1.4	8.7	15.9
140°	1.4	1.4	1.4	1.4	6.5
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)