

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: P290290

Luminaire Tested: **4SSRK-SLC-60-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290290
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-L840-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE CLEAR LENS AND 80 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

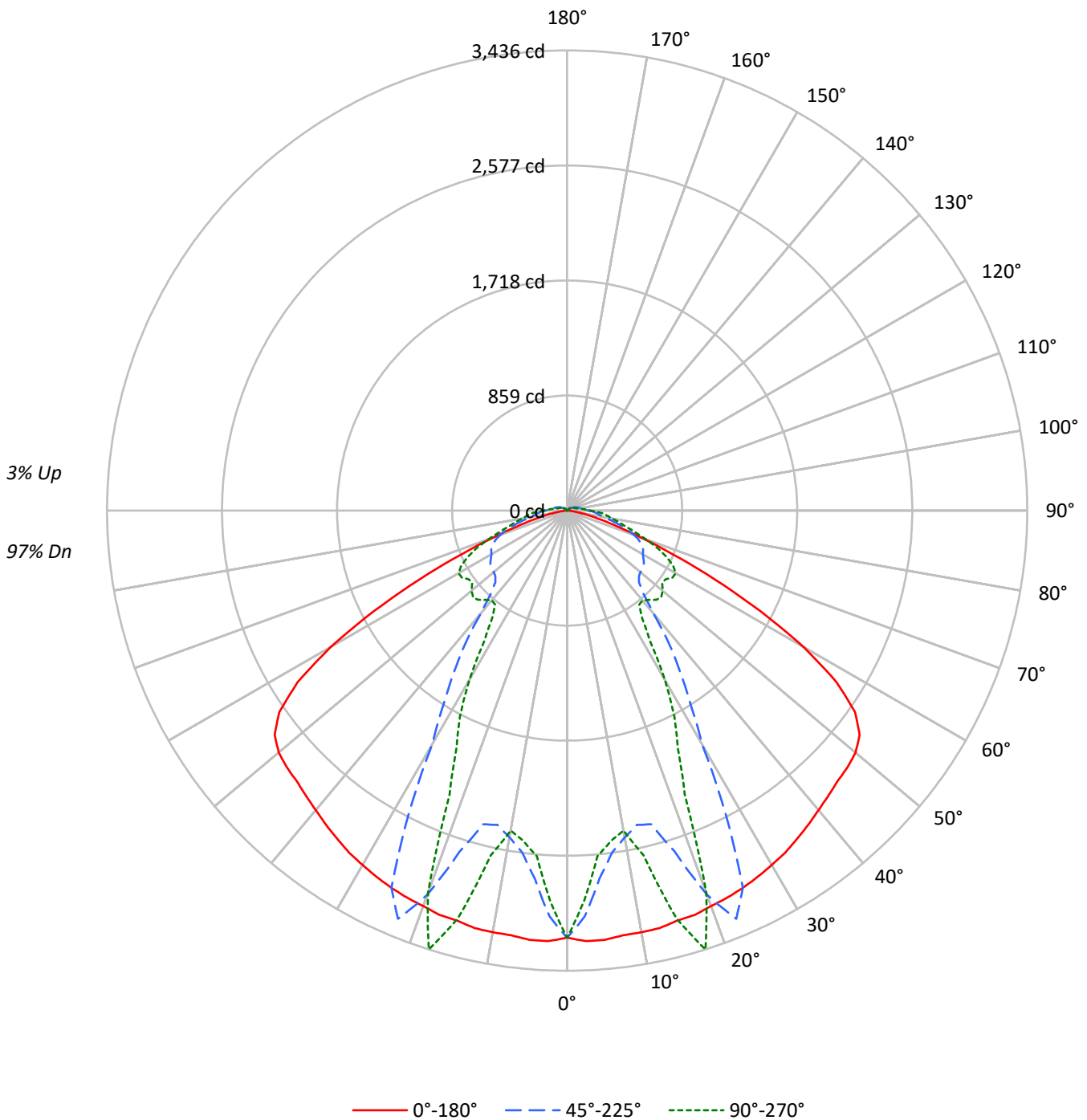
Lumens per Lamp: N/A
Luminaire Lumens: 6705.9 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.44 / 0.89 / 0.98
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

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	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°	205962	205962	205962
5°	207838	143099	124487
10°	208102	108037	93291
15°	209590	91801	101712
20°	212764	102840	85013
25°	217162	94839	48562
30°	222530	56780	32895
35°	229221	38663	20135
40°	237820	24863	16930
45°	250469	17981	17211
50°	269060	16294	16232
55°	278829	15518	15013
60°	245606	14163	15253
65°	170624	13325	13050
70°	98101	11327	9813
75°	54829	8556	6981
80°	30203	6039	5399
85°	13553	4847	4419



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	264.9	4.0
10°-20°	795.7	11.9
20°-30°	1171.2	17.5
30°-40°	1144.2	17.1
40°-50°	948.5	14.1
50°-60°	870.8	13.0
60°-70°	690.0	10.3
70°-80°	383.2	5.7
80°-90°	202.9	3.0
90°-100°	106.7	1.6
100°-110°	64.2	1.0
110°-120°	36.7	0.5
120°-130°	20.2	0.3
130°-140°	6.4	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°	2231.8	33.3
0°-40°	3376.0	50.3
0°-60°	5195.3	77.5
0°-90°	6471.4	96.5
90°-120°	207.6	3.1
90°-150°	234.4	3.5
90°-180°	234.0	3.5
0°-180°	6705.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3189	3189	3189	3189	3189	
5°	3218	3037	2759	2642	2592	306
15°	3170	2532	2424	2969	3152	899
25°	3107	2417	3104	2117	1953	1436
35°	2992	2885	1472	1052	971	1878
45°	2857	1305	760	867	942	2215
55°	2624	581	700	839	895	2278
65°	1216	378	622	789	818	1231
75°	254	230	400	427	446	301
85°	27	113	220	267	279	37
90°	1	82	161	176	174	1
95°	2	65	125	130	124	1
105°	2	43	88	76	68	2
115°	2	5	57	54	50	1
125°	2	2	26	42	41	1
135°	2	2	2	18	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°	3189.1	3189.1	3189.1	3189.1	3189.1
2.5°	3217.6	3159.9	3031.8	2945.0	2915.8
5°	3217.6	3037.1	2759.2	2641.6	2592.2
7.5°	3198.1	2881.3	2572.7	2521.8	2489.6
10°	3196.6	2715.0	2477.6	2434.9	2425.9
12.5°	3192.9	2622.9	2404.2	2555.5	2637.1
15°	3169.7	2531.5	2424.4	2968.9	3151.7
17.5°	3165.9	2463.4	2670.1	3359.1	3436.3
20°	3142.7	2409.5	3052.8	3309.7	3037.8
22.5°	3127.7	2372.0	3299.2	2662.6	2292.6
25°	3106.7	2416.9	3104.5	2116.6	1952.6
27.5°	3082.8	2561.5	2573.5	1842.5	1733.9
30°	3055.8	2787.7	2017.7	1610.3	1459.8
32.5°	3028.9	2953.2	1717.4	1321.9	1145.2
35°	2992.2	2885.0	1471.7	1051.6	970.7
37.5°	2957.7	2570.5	1247.8	907.8	884.5
40°	2919.5	2070.9	1002.1	850.8	874.8
42.5°	2887.3	1641.8	841.8	844.8	904.0
45°	2856.6	1304.7	759.5	866.6	942.2
47.5°	2838.6	1037.3	726.5	892.8	953.4
50°	2810.9	831.4	714.5	898.0	931.7
52.5°	2752.5	685.3	710.8	870.3	893.5
55°	2623.7	581.2	700.3	838.9	895.0
57.5°	2386.2	516.8	676.3	845.6	931.7
60°	2038.7	466.6	652.4	867.3	936.2
62.5°	1622.3	420.9	639.6	849.3	892.0
65°	1216.3	377.5	621.6	788.7	817.9
67.5°	851.6	340.0	581.2	713.0	728.8
70°	579.0	304.1	531.0	616.4	623.1
72.5°	389.5	268.1	468.9	516.8	527.3
75°	253.9	229.9	400.0	426.9	445.6
77.5°	161.8	195.5	331.8	366.2	390.2
80°	100.4	161.8	279.4	328.8	343.8
82.5°	56.2	134.8	241.9	293.6	301.8
85°	27.0	113.1	220.2	267.4	278.6
87.5°	6.7	95.9	194.0	221.7	221.7
90°	0.7	82.4	161.0	176.0	174.5
92.5°	0.7	72.7	140.1	149.8	146.8
95°	1.5	65.2	125.1	130.3	124.3
97.5°	1.5	61.4	115.3	111.6	102.6
100°	1.5	56.9	104.9	95.1	85.4
102.5°	1.5	50.9	95.9	83.9	75.6
105°	1.5	43.4	87.6	75.6	68.2
107.5°	1.5	34.5	78.6	68.9	62.9
110°	1.5	24.7	70.4	63.7	59.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	15.0	63.7	59.2	55.4
115°	1.5	5.2	56.9	53.9	50.2
117.5°	1.5	2.2	50.2	51.7	47.2
120°	1.5	2.2	41.9	48.7	44.9
122.5°	1.5	2.2	34.5	45.7	43.4
125°	1.5	1.5	26.2	41.9	41.2
127.5°	1.5	1.5	18.0	36.7	38.2
130°	1.5	1.5	9.0	30.0	33.7
132.5°	1.5	1.5	1.5	24.7	27.7
135°	1.5	1.5	1.5	18.0	22.5
137.5°	1.5	1.5	1.5	9.0	16.5
140°	1.5	1.5	1.5	1.5	6.7
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)