

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: P290376

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-15)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-SLN-60-L830-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH SQUARE NARROW LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6266.7 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 0.98 / 1.11
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

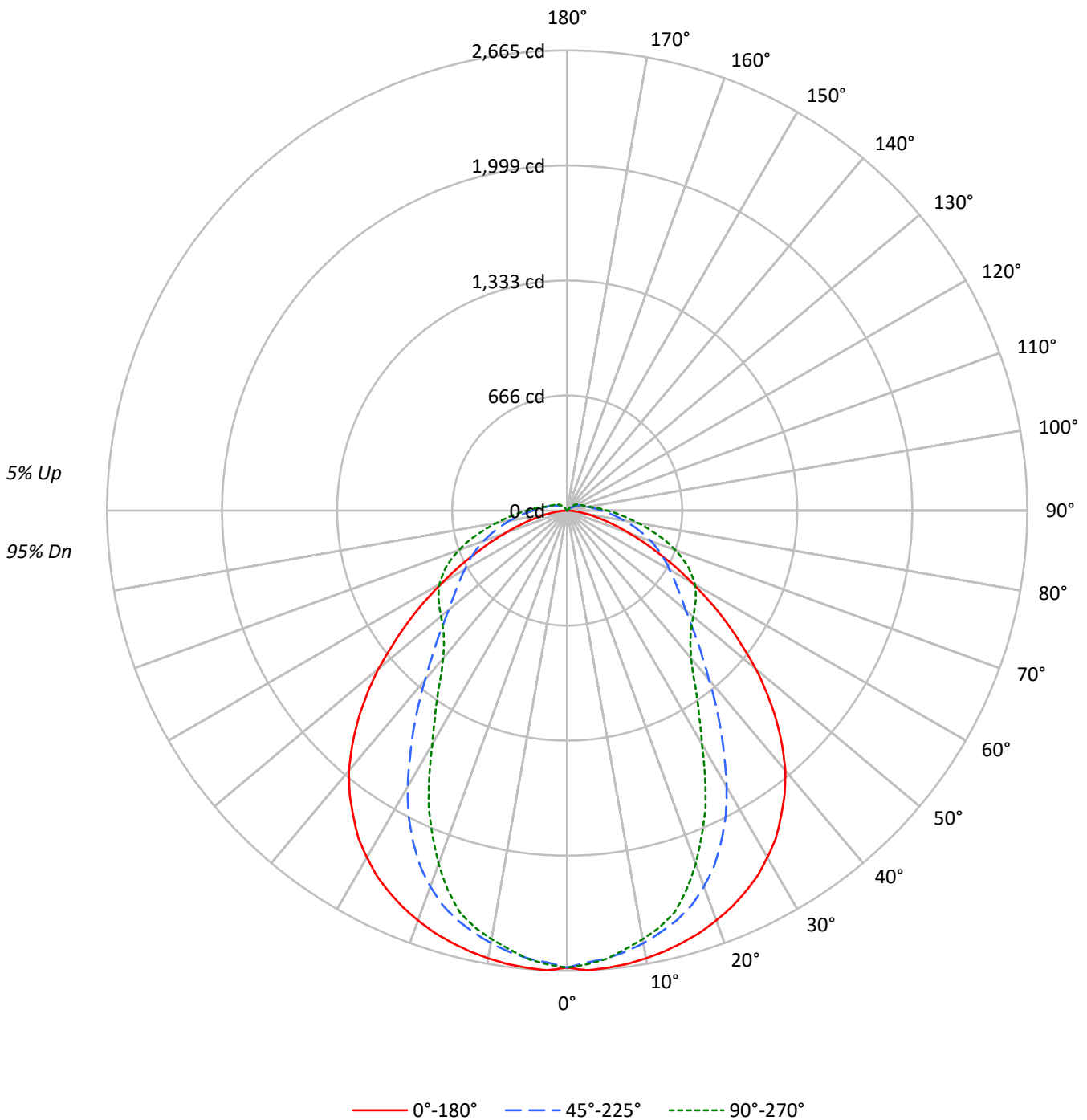
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	108	108	108	103	103	103	98	98	98	95
1	107	102	98	94	104	100	96	92	94	91	88	90	87	85	85	83	81	79
2	98	90	83	77	95	87	81	76	83	78	73	79	75	71	75	72	69	66
3	90	79	71	65	87	77	70	64	74	67	62	70	65	60	67	63	59	56
4	82	71	62	56	80	69	61	55	66	59	54	63	57	52	60	55	51	49
5	76	64	55	48	74	62	54	48	60	52	47	57	51	46	55	49	45	43
6	71	58	49	43	68	56	48	42	54	47	42	52	46	41	50	45	40	38
7	66	53	44	38	64	52	44	38	50	42	37	48	41	37	46	40	36	34
8	61	48	40	34	60	47	40	34	46	39	34	44	38	33	43	37	33	31
9	57	44	37	31	56	44	36	31	42	35	31	41	35	30	40	34	30	28
10	54	41	34	28	53	41	33	28	39	33	28	38	32	28	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	170945	170945	170945
5°	171724	135060	125169
10°	171424	110937	96917
15°	171192	92990	77689
20°	171013	78046	60926
25°	170447	64537	47157
30°	168875	51994	35191
35°	165446	40777	27138
40°	160116	31703	21592
45°	150127	25178	18475
50°	136660	20408	16612
55°	119334	17261	15253
60°	100305	14868	13930
65°	81756	12913	12348
70°	64774	10997	10479
75°	48934	9076	8461
80°	34204	7277	6537
85°	19978	5690	4972



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.6	4.0
10°-20°	696.7	11.1
20°-30°	979.8	15.6
30°-40°	1026.0	16.4
40°-50°	928.9	14.8
50°-60°	790.6	12.6
60°-70°	625.1	10.0
70°-80°	425.6	6.8
80°-90°	242.9	3.9
90°-100°	134.7	2.1
100°-110°	82.3	1.3
110°-120°	50.0	0.8
120°-130°	27.1	0.4
130°-140°	8.2	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°	1925.0	30.7
0°-40°	2951.0	47.1
0°-60°	4670.5	74.5
0°-90°	5964.2	95.2
90°-120°	267.0	4.3
90°-150°	302.5	4.8
90°-180°	302.0	4.8
0°-180°	6266.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2647	2647	2647	2647	2647	
5°	2658	2642	2604	2616	2606	253
15°	2589	2540	2456	2430	2407	731
25°	2438	2318	2113	1949	1896	1123
35°	2160	1916	1552	1358	1308	1350
45°	1712	1360	1064	1008	1011	1315
55°	1123	857	779	869	909	1004
65°	583	506	602	736	774	587
75°	227	276	424	521	540	247
85°	40	131	258	309	314	48
90°	1	91	198	230	230	2
95°	1	70	156	172	171	1
105°	1	43	104	109	104	1
115°	1	6	70	82	80	1
125°	1	1	32	56	60	1
135°	1	1	1	23	30	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°	2646.9	2646.9	2646.9	2646.9	2646.9
2.5°	2665.0	2650.5	2620.1	2639.7	2631.0
5°	2658.5	2641.9	2604.2	2615.8	2606.4
7.5°	2648.4	2625.9	2577.4	2581.0	2562.9
10°	2633.2	2604.2	2544.1	2537.6	2520.2
12.5°	2613.6	2573.8	2501.4	2492.7	2472.4
15°	2589.0	2539.8	2455.8	2430.4	2407.3
17.5°	2561.5	2499.2	2397.1	2340.7	2300.9
20°	2526.0	2447.1	2316.8	2235.0	2177.1
22.5°	2486.2	2390.6	2226.3	2103.2	2037.3
25°	2438.4	2317.5	2112.6	1949.0	1896.1
27.5°	2385.6	2241.5	1988.8	1797.7	1727.5
30°	2319.0	2145.2	1847.6	1642.7	1561.7
32.5°	2249.5	2041.7	1694.1	1487.8	1424.8
35°	2159.7	1916.4	1552.2	1358.2	1308.3
37.5°	2069.2	1782.5	1411.1	1242.4	1198.2
40°	1965.6	1647.1	1277.8	1146.8	1115.7
42.5°	1842.6	1509.5	1164.9	1066.4	1055.6
45°	1712.2	1359.7	1063.5	1007.8	1011.4
47.5°	1570.3	1223.6	971.6	960.7	978.8
50°	1427.7	1096.9	894.9	925.3	953.5
52.5°	1269.2	974.5	834.0	896.3	930.3
55°	1122.9	857.2	779.0	868.8	909.3
57.5°	977.4	757.3	731.2	840.6	883.3
60°	832.6	666.1	684.9	810.1	855.0
62.5°	706.6	579.2	644.4	776.1	815.2
65°	582.8	506.1	602.4	735.6	773.9
67.5°	480.0	440.9	560.4	687.1	721.8
70°	382.3	379.4	515.5	633.5	665.4
72.5°	298.3	323.6	468.4	577.7	608.2
75°	226.6	275.8	424.3	521.3	540.1
77.5°	165.8	231.0	379.4	464.1	477.1
80°	113.7	191.9	336.7	406.9	416.3
82.5°	71.7	158.6	295.4	355.5	362.0
85°	39.8	131.0	258.5	309.1	313.5
87.5°	15.2	107.9	225.2	268.6	272.2
90°	0.7	91.2	197.7	230.2	230.2
92.5°	0.7	79.6	175.2	199.8	201.3
95°	1.4	70.2	155.7	172.3	170.9
97.5°	1.4	63.7	137.6	151.3	147.0
100°	1.4	57.9	123.8	133.2	128.9
102.5°	1.4	51.4	112.9	118.7	113.7
105°	1.4	42.7	104.3	108.6	104.3
107.5°	1.4	34.0	94.8	100.6	96.3
110°	1.4	25.3	86.2	93.4	89.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	15.9	78.2	86.9	84.7
115°	1.4	5.8	70.2	81.8	79.6
117.5°	0.7	2.9	60.1	76.0	75.3
120°	0.7	2.2	50.7	71.0	71.0
122.5°	0.7	2.2	42.0	63.7	66.6
125°	0.7	1.4	31.9	56.5	60.1
127.5°	0.7	1.4	22.4	49.2	53.6
130°	0.7	1.4	11.6	40.5	46.3
132.5°	0.7	1.4	1.4	31.9	38.4
135°	1.4	1.4	1.4	23.2	30.4
137.5°	1.4	1.4	1.4	12.3	21.7
140°	1.4	1.4	0.7	0.7	10.1
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)