

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: P290111

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290111
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-LN-60-L950-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH ROUND NARROW LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5738.0 lumens
Efficiency: N/A
Efficacy: 128.1 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.03 / 1.16
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

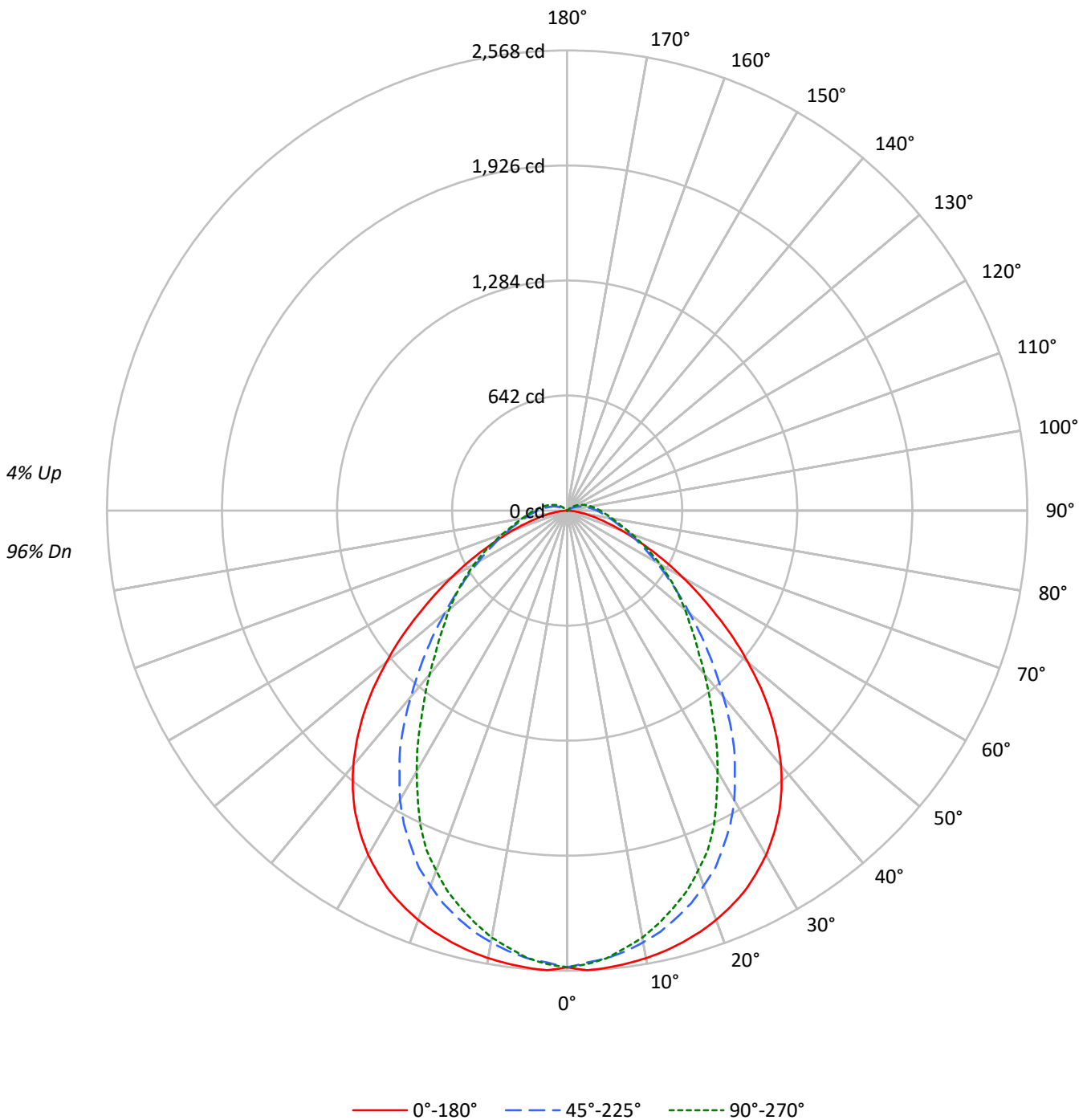
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	103	103	98	98	98	96				
1	108	104	99	96	105	101	97	94	96	93	90	91	89	86	87	85	83	81				
2	99	91	85	80	96	89	83	78	85	80	76	81	77	74	78	74	71	69				
3	91	81	74	68	88	79	72	67	76	70	65	73	68	63	70	65	62	59				
4	84	73	65	58	81	71	64	58	68	62	56	65	60	55	63	58	54	52				
5	78	66	57	51	75	64	56	51	62	55	50	59	53	49	57	52	48	46				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	47	43	41				
7	67	54	46	40	65	53	46	40	52	45	39	50	44	39	48	43	38	36				
8	63	50	42	36	61	49	41	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	38	33	57	45	38	33	44	37	32	43	36	32	41	36	32	30				
10	55	43	35	30	54	42	35	30	41	34	30	40	34	29	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	164609	164609	164609
5°	165426	130087	120458
10°	165096	106672	93037
15°	164878	89154	74023
20°	164608	75065	59810
25°	163828	63083	48184
30°	161680	52489	37819
35°	157931	42743	29439
40°	151335	33653	23128
45°	140938	26298	18380
50°	125958	20328	14967
55°	108080	15821	12158
60°	89510	12409	9774
65°	70814	9764	7721
70°	54659	7731	6068
75°	40231	6280	4831
80°	28218	5179	4006
85°	16263	4367	3415



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.3	4.2
10°-20°	670.1	11.7
20°-30°	965.7	16.8
30°-40°	1046.1	18.2
40°-50°	926.5	16.1
50°-60°	705.0	12.3
60°-70°	469.7	8.2
70°-80°	290.2	5.1
80°-90°	181.8	3.2
90°-100°	119.5	2.1
100°-110°	73.2	1.3
110°-120°	37.8	0.7
120°-130°	12.4	0.2
130°-140°	0.7	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1875.1	32.7
0°-40°	2921.2	50.9
0°-60°	4552.7	79.3
0°-90°	5494.4	95.8
90°-120°	230.4	4.0
90°-150°	243.6	4.2
90°-180°	244.0	4.3
0°-180°	5738.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2549	2549	2549	2549	2549	
5°	2561	2545	2508	2518	2508	244
15°	2494	2446	2354	2323	2294	704
25°	2344	2234	2065	1977	1937	1078
35°	2062	1869	1627	1474	1419	1285
45°	1607	1356	1111	1026	1006	1233
55°	1017	830	714	723	725	914
65°	505	443	456	482	484	510
75°	186	227	294	313	308	206
85°	32	117	198	219	215	40
90°	1	85	165	186	185	2
95°	3	60	137	159	158	2
105°	2	24	86	109	112	2
115°	2	2	44	68	74	2
125°	1	1	1	30	37	1
135°	0	0	0	0	0	0
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°	2548.8	2548.8	2548.8	2548.8	2548.8
2.5°	2567.7	2553.6	2524.5	2541.4	2533.3
5°	2561.0	2544.8	2508.3	2517.8	2508.3
7.5°	2550.2	2529.9	2481.3	2485.4	2463.1
10°	2536.0	2509.0	2446.3	2439.5	2419.3
12.5°	2517.8	2480.0	2406.4	2379.4	2359.9
15°	2493.5	2446.3	2354.5	2322.8	2293.7
17.5°	2465.8	2405.1	2298.5	2260.0	2225.6
20°	2431.4	2355.2	2228.3	2175.0	2137.2
22.5°	2389.6	2300.5	2158.8	2081.2	2050.8
25°	2343.7	2233.7	2065.0	1976.6	1937.4
27.5°	2283.6	2160.1	1972.5	1861.9	1805.8
30°	2220.2	2073.1	1865.2	1737.7	1678.3
32.5°	2143.9	1977.9	1741.1	1605.4	1552.8
35°	2061.6	1868.6	1627.0	1473.8	1419.2
37.5°	1964.4	1750.5	1491.4	1351.0	1303.1
40°	1857.8	1622.3	1356.4	1232.9	1195.1
42.5°	1736.3	1492.0	1229.5	1122.9	1090.5
45°	1607.4	1355.7	1110.8	1026.4	1006.2
47.5°	1467.1	1219.4	999.4	939.4	924.5
50°	1315.9	1083.1	891.4	858.4	859.1
52.5°	1172.2	954.2	799.7	790.9	788.9
55°	1017.0	830.0	714.0	722.7	724.8
57.5°	876.6	714.6	641.1	657.3	659.3
60°	743.0	611.4	571.6	596.5	599.9
62.5°	620.8	523.0	512.2	537.8	537.2
65°	504.8	442.7	455.5	481.8	483.9
67.5°	406.2	377.2	408.3	431.2	429.9
70°	322.6	318.5	362.4	386.7	385.3
72.5°	251.0	269.3	326.6	347.5	342.1
75°	186.3	226.7	293.6	313.1	308.4
77.5°	137.0	191.7	264.5	283.4	280.1
80°	93.8	162.6	239.6	259.1	255.1
82.5°	60.1	138.3	218.0	236.9	234.2
85°	32.4	116.7	198.4	218.6	215.3
87.5°	12.1	99.2	180.9	201.1	199.7
90°	1.3	85.0	165.3	186.3	184.9
92.5°	2.0	72.2	150.5	172.1	172.1
95°	3.4	60.1	137.0	158.6	157.9
97.5°	2.7	50.6	122.1	145.8	145.8
100°	2.7	41.8	108.6	132.3	133.6
102.5°	2.7	33.1	97.2	120.1	122.8
105°	2.0	23.6	85.7	109.3	112.0
107.5°	2.0	13.5	74.2	99.2	102.6
110°	2.0	3.4	64.1	88.4	92.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	2.0	54.0	78.3	82.3
115°	2.0	2.0	43.9	68.2	74.2
117.5°	1.3	1.3	32.4	59.4	64.8
120°	1.3	1.3	20.2	49.9	55.3
122.5°	1.3	1.3	8.8	39.8	47.2
125°	1.3	1.3	1.3	29.7	37.1
127.5°	1.3	1.3	0.7	17.5	26.3
130°	1.3	1.3	0.7	6.7	16.2
132.5°	1.3	1.3	0.7	0.7	4.7
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
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)