

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: P289703

Luminaire Tested: **8SSRK-60-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289703
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-60-L950-CD1-U
Description: 6000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6089.8 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

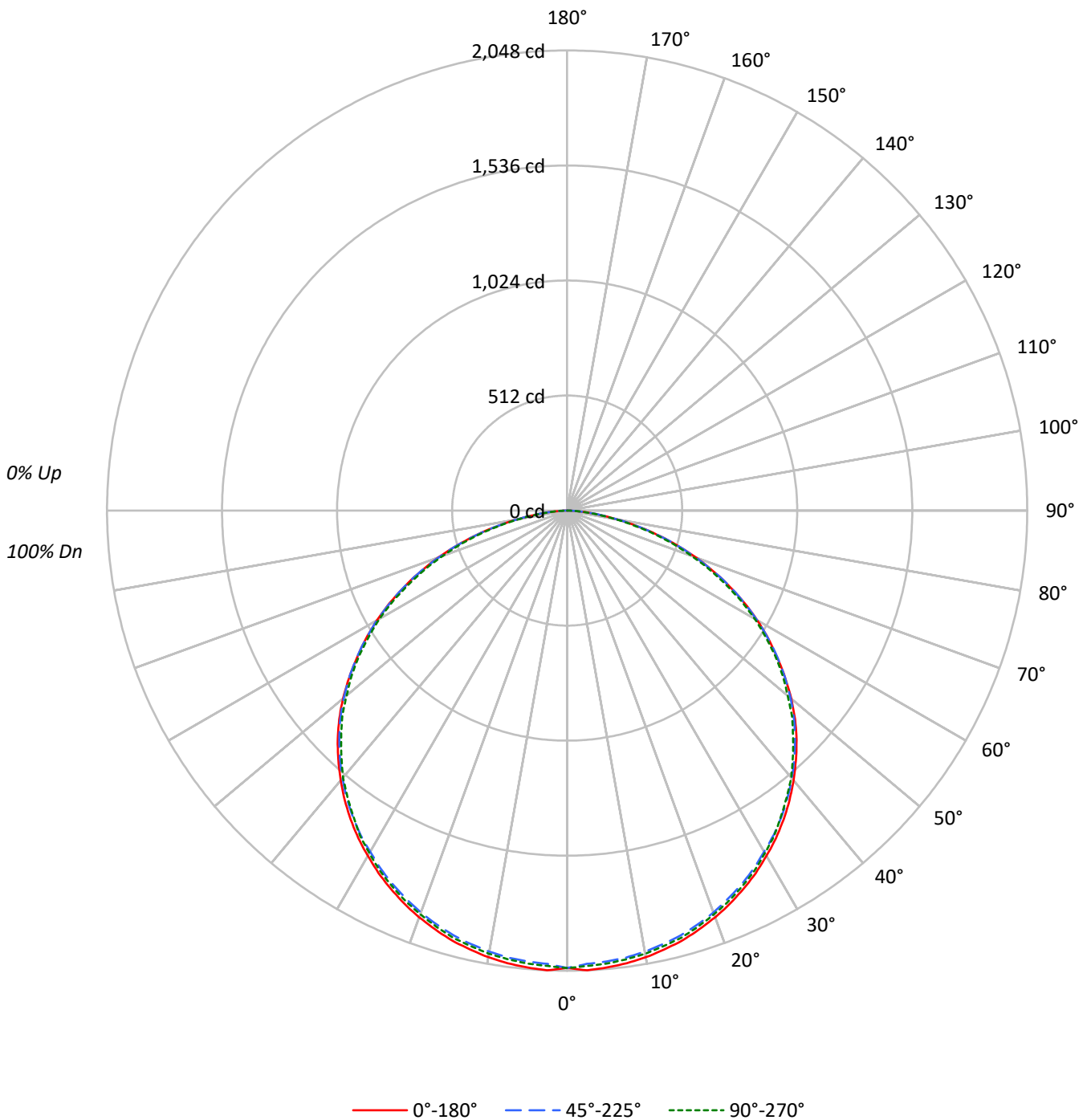
Input Watts (W): 41.3831
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	65742	65742	65742
5°	66048	52292	48581
10°	65944	43530	38502
15°	65858	37121	31740
20°	65694	32144	26755
25°	65535	28123	22937
30°	65368	24752	19832
35°	65243	21921	17215
40°	64936	19373	15012
45°	64611	17042	12990
50°	63843	14856	11159
55°	62457	12725	9487
60°	60906	10651	7856
65°	58300	8589	6204
70°	54564	6490	4633
75°	47961	4437	3135
80°	37952	2478	1692
85°	24448	896	558



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.9	3.2
10°-20°	555.9	9.1
20°-30°	851.9	14.0
30°-40°	1044.3	17.1
40°-50°	1106.3	18.2
50°-60°	1020.1	16.8
60°-70°	783.9	12.9
70°-80°	434.5	7.1
80°-90°	100.0	1.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1600.8	26.3
0°-40°	2645.1	43.4
0°-60°	4771.4	78.4
0°-90°	6089.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6089.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2036	2036	2036	2036	2036	
5°	2041	2033	2014	2034	2023	194
15°	1981	1972	1956	1974	1967	559
25°	1857	1850	1836	1854	1844	857
35°	1679	1671	1663	1669	1660	1051
45°	1444	1440	1434	1432	1422	1113
55°	1142	1151	1144	1139	1131	1022
65°	797	799	798	787	778	788
75°	414	415	413	406	400	438
85°	82	83	81	77	70	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2035.9	2035.9	2035.9	2035.9	2035.9
2.5°	2048.0	2037.9	2019.2	2037.9	2028.6
5°	2041.3	2032.6	2014.5	2033.9	2023.2
7.5°	2031.9	2024.5	2006.5	2025.2	2014.5
10°	2018.5	2010.5	1993.1	2013.2	2002.4
12.5°	2000.4	1993.1	1976.3	1995.1	1985.7
15°	1981.0	1971.7	1956.3	1973.7	1967.0
17.5°	1954.3	1946.9	1931.5	1948.2	1940.9
20°	1926.2	1918.8	1903.4	1920.1	1912.1
22.5°	1894.0	1886.7	1870.6	1888.7	1880.6
25°	1857.2	1850.5	1835.8	1854.5	1844.5
27.5°	1818.4	1813.0	1797.0	1812.4	1806.4
30°	1774.2	1770.9	1753.5	1765.5	1760.2
32.5°	1729.4	1723.4	1711.3	1720.7	1715.3
35°	1679.2	1671.2	1663.1	1669.2	1659.8
37.5°	1625.7	1620.3	1611.6	1617.0	1606.2
40°	1567.4	1562.7	1556.0	1557.4	1551.4
42.5°	1507.2	1501.8	1496.5	1493.8	1487.1
45°	1444.3	1439.6	1434.2	1432.2	1422.2
47.5°	1376.0	1372.7	1369.3	1364.6	1357.3
50°	1302.4	1303.7	1297.7	1293.7	1281.0
52.5°	1223.4	1231.5	1222.8	1216.7	1209.4
55°	1142.4	1151.1	1143.8	1139.1	1131.1
57.5°	1062.1	1066.1	1061.5	1058.1	1047.4
60°	977.1	980.5	977.1	969.8	964.4
62.5°	889.5	893.5	886.8	881.4	874.1
65°	797.1	799.1	797.8	787.1	777.7
67.5°	704.1	707.4	703.4	696.0	686.7
70°	611.0	609.0	605.7	600.3	588.3
72.5°	512.7	512.7	512.0	502.0	495.9
75°	414.3	414.9	412.9	406.2	400.2
77.5°	315.9	323.3	317.9	311.2	304.5
80°	228.2	232.9	228.2	219.5	215.5
82.5°	145.9	152.6	148.6	139.9	138.5
85°	81.7	83.0	81.0	77.0	70.3
87.5°	30.8	32.1	32.8	26.8	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)