

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: P289671

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289671
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: 4SSRK-60-L950-CD1-U
Description: 6000 LUMEN, 4 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: 6140.3 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

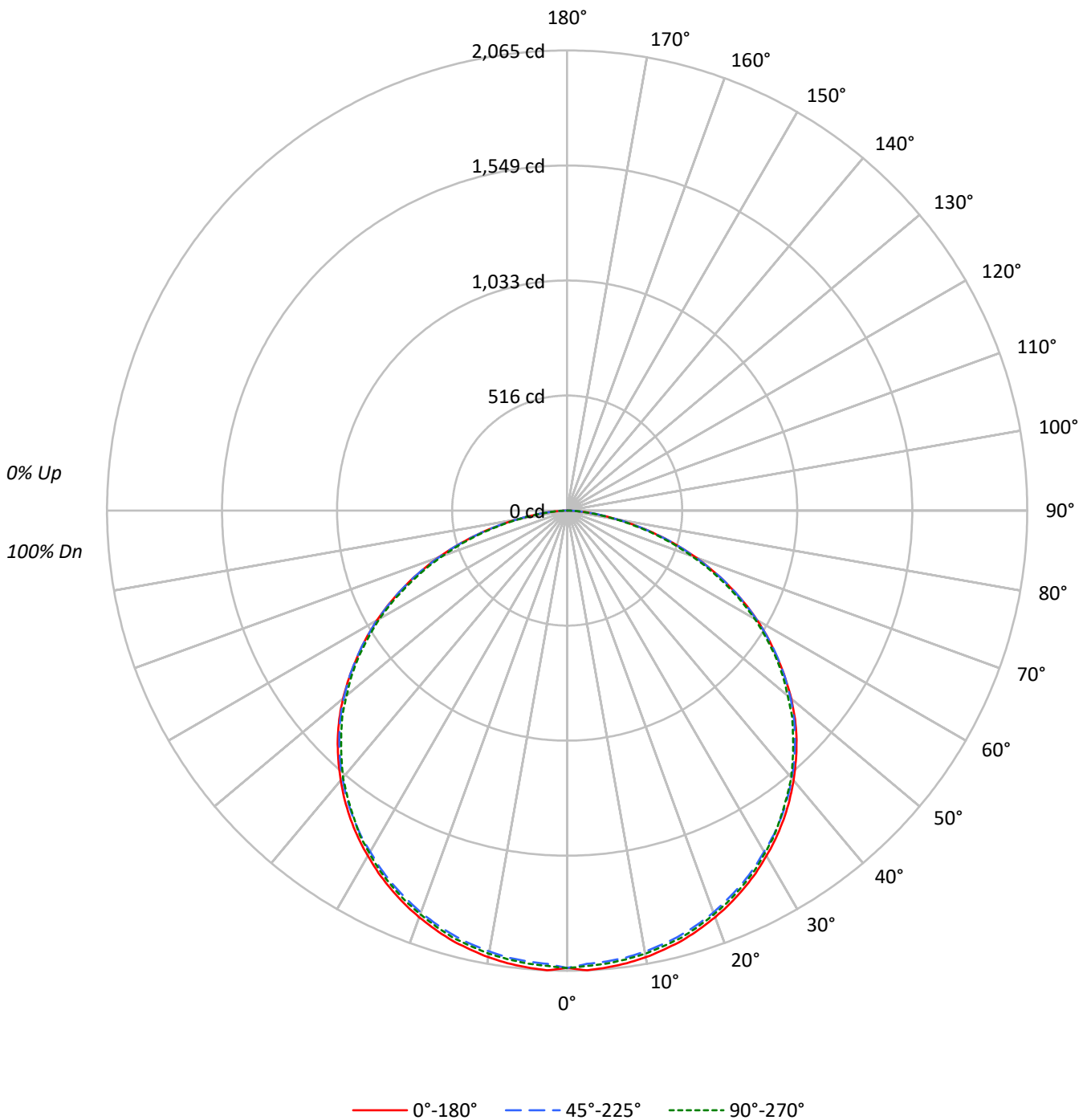
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	132576	132576	132576
5°	132948	105343	97968
10°	132500	87630	77647
15°	132081	74689	64005
20°	131482	64652	53955
25°	130897	56546	46254
30°	130279	49754	39993
35°	129702	44053	34716
40°	128738	38928	30271
45°	127689	34236	26195
50°	125700	29840	22502
55°	122416	25555	19131
60°	118689	21387	15842
65°	112744	17244	12510
70°	104387	13027	9342
75°	90202	8907	6321
80°	69221	4973	3412
85°	41311	1798	1125



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.5	3.2
10°-20°	560.5	9.1
20°-30°	859.0	14.0
30°-40°	1053.0	17.1
40°-50°	1115.5	18.2
50°-60°	1028.5	16.8
60°-70°	790.4	12.9
70°-80°	438.1	7.1
80°-90°	100.8	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°	1614.1	26.3
0°-40°	2667.0	43.4
0°-60°	4811.0	78.4
0°-90°	6140.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6140.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2053	2053	2053	2053	2053	
5°	2058	2049	2031	2051	2040	196
15°	1998	1988	1972	1990	1983	564
25°	1873	1866	1851	1870	1860	864
35°	1693	1685	1677	1683	1674	1059
45°	1456	1452	1446	1444	1434	1122
55°	1152	1161	1153	1148	1140	1030
65°	804	806	804	794	784	794
75°	418	418	416	410	404	442
85°	82	84	82	78	71	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2052.8	2052.8	2052.8	2052.8	2052.8
2.5°	2065.0	2054.8	2035.9	2054.8	2045.4
5°	2058.2	2049.4	2031.2	2050.8	2040.0
7.5°	2048.8	2041.3	2023.1	2042.0	2031.2
10°	2035.3	2027.2	2009.6	2029.9	2019.1
12.5°	2017.0	2009.6	1992.8	2011.6	2002.2
15°	1997.5	1988.0	1972.5	1990.1	1983.3
17.5°	1970.5	1963.1	1947.5	1964.4	1957.0
20°	1942.1	1934.7	1919.2	1936.1	1928.0
22.5°	1909.8	1902.3	1886.1	1904.4	1896.3
25°	1872.6	1865.9	1851.0	1869.9	1859.8
27.5°	1833.5	1828.1	1811.9	1827.4	1821.3
30°	1789.0	1785.6	1768.0	1780.2	1774.8
32.5°	1743.7	1737.7	1725.5	1735.0	1729.6
35°	1693.1	1685.0	1676.9	1683.0	1673.6
37.5°	1639.1	1633.7	1625.0	1630.4	1619.6
40°	1580.4	1575.7	1569.0	1570.3	1564.2
42.5°	1519.7	1514.3	1508.9	1506.2	1499.5
45°	1456.3	1451.5	1446.1	1444.1	1434.0
47.5°	1387.4	1384.1	1380.7	1376.0	1368.5
50°	1313.2	1314.6	1308.5	1304.4	1291.6
52.5°	1233.6	1241.7	1232.9	1226.8	1219.4
55°	1151.9	1160.7	1153.3	1148.5	1140.5
57.5°	1070.9	1075.0	1070.3	1066.9	1056.1
60°	985.2	988.6	985.2	977.8	972.4
62.5°	896.8	900.9	894.1	888.7	881.3
65°	803.7	805.7	804.4	793.6	784.1
67.5°	709.9	713.3	709.2	701.8	692.4
70°	616.1	614.1	610.7	605.3	593.2
72.5°	516.9	516.9	516.2	506.1	500.0
75°	417.7	418.4	416.4	409.6	403.5
77.5°	318.5	325.9	320.5	313.8	307.0
80°	230.1	234.8	230.1	221.3	217.3
82.5°	147.1	153.9	149.8	141.0	139.7
85°	82.3	83.7	81.7	77.6	70.9
87.5°	31.0	32.4	33.1	27.0	23.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)