

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: P289669

Luminaire Tested: **4SSRK-60-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289669
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-L935-CD1-U
Description: 6000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3500K CCT LEDs
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5629.2 lumens
Efficiency: N/A
Efficacy: 125.7 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

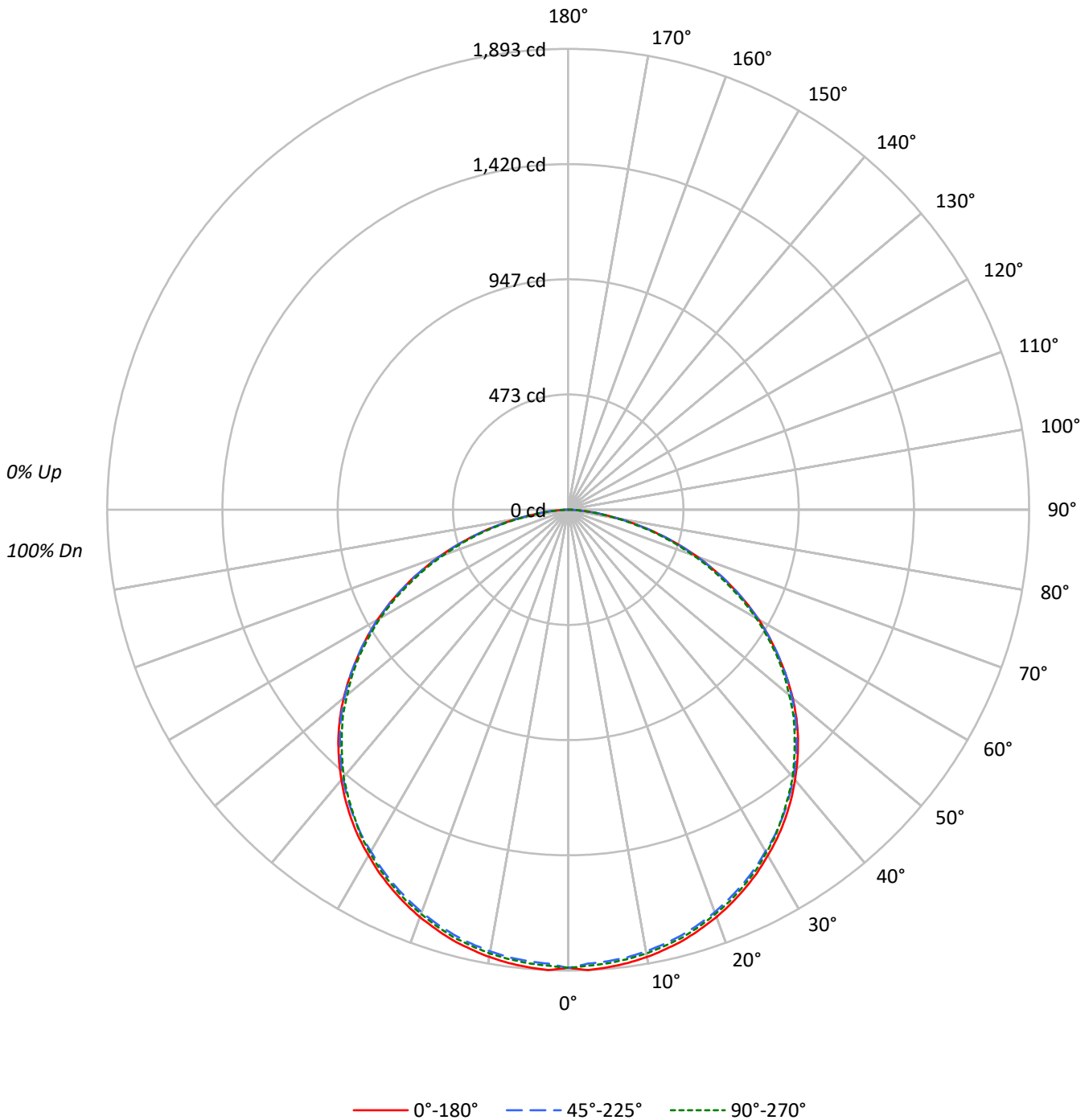
Input Watts (W): 44.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	121539	121539	121539
5°	121883	96573	89814
10°	121465	80335	71182
15°	121084	68472	58677
20°	120542	59269	49464
25°	120000	51838	42404
30°	119428	45614	36663
35°	118908	40386	31824
40°	118026	35687	27752
45°	117054	31388	24014
50°	115237	27356	20630
55°	112224	23428	17537
60°	108810	19607	14524
65°	103359	15807	11470
70°	95695	11944	8564
75°	82687	8165	5796
80°	63475	4560	3128
85°	37897	1649	1031



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.4	3.2
10°-20°	513.9	9.1
20°-30°	787.5	14.0
30°-40°	965.3	17.1
40°-50°	1022.6	18.2
50°-60°	942.9	16.8
60°-70°	724.6	12.9
70°-80°	401.6	7.1
80°-90°	92.4	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°	1479.7	26.3
0°-40°	2445.0	43.4
0°-60°	4410.5	78.4
0°-90°	5629.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5629.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1882	1882	1882	1882	1882	
5°	1887	1879	1862	1880	1870	179
15°	1831	1822	1808	1824	1818	517
25°	1717	1711	1697	1714	1705	792
35°	1552	1545	1537	1543	1534	971
45°	1335	1331	1326	1324	1315	1029
55°	1056	1064	1057	1053	1046	944
65°	737	739	737	728	719	728
75°	383	384	382	376	370	405
85°	76	77	75	71	65	94
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1881.9	1881.9	1881.9	1881.9	1881.9
2.5°	1893.1	1883.8	1866.5	1883.8	1875.1
5°	1886.9	1878.8	1862.1	1880.1	1870.2
7.5°	1878.2	1871.4	1854.7	1872.0	1862.1
10°	1865.8	1858.4	1842.3	1860.9	1851.0
12.5°	1849.1	1842.3	1826.9	1844.2	1835.5
15°	1831.2	1822.5	1808.3	1824.4	1818.2
17.5°	1806.4	1799.6	1785.4	1800.9	1794.1
20°	1780.5	1773.7	1759.4	1774.9	1767.5
22.5°	1750.8	1744.0	1729.1	1745.8	1738.4
25°	1716.7	1710.6	1696.9	1714.3	1705.0
27.5°	1680.9	1675.9	1661.1	1675.3	1669.7
30°	1640.0	1636.9	1620.9	1632.0	1627.0
32.5°	1598.6	1593.0	1581.9	1590.5	1585.6
35°	1552.2	1544.8	1537.3	1542.9	1534.2
37.5°	1502.7	1497.7	1489.7	1494.6	1484.7
40°	1448.9	1444.5	1438.4	1439.6	1434.0
42.5°	1393.2	1388.2	1383.3	1380.8	1374.6
45°	1335.0	1330.7	1325.8	1323.9	1314.6
47.5°	1271.9	1268.8	1265.7	1261.4	1254.6
50°	1203.9	1205.1	1199.6	1195.8	1184.1
52.5°	1130.9	1138.3	1130.3	1124.7	1117.9
55°	1056.0	1064.1	1057.3	1052.9	1045.5
57.5°	981.8	985.5	981.2	978.1	968.2
60°	903.2	906.3	903.2	896.4	891.5
62.5°	822.2	825.9	819.7	814.8	808.0
65°	736.8	738.7	737.4	727.5	718.9
67.5°	650.8	653.9	650.2	643.4	634.7
70°	564.8	563.0	559.9	554.9	543.8
72.5°	473.9	473.9	473.3	464.0	458.4
75°	382.9	383.6	381.7	375.5	370.0
77.5°	292.0	298.8	293.9	287.7	281.5
80°	211.0	215.3	211.0	202.9	199.2
82.5°	134.9	141.1	137.3	129.3	128.1
85°	75.5	76.7	74.9	71.1	65.0
87.5°	28.5	29.7	30.3	24.7	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)