

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: P289697

Luminaire Tested: **8SSRK-50-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289697
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-50-L835-CD1-U
Description: 5000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5527.7 lumens
Efficiency: N/A
Efficacy: 161.6 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

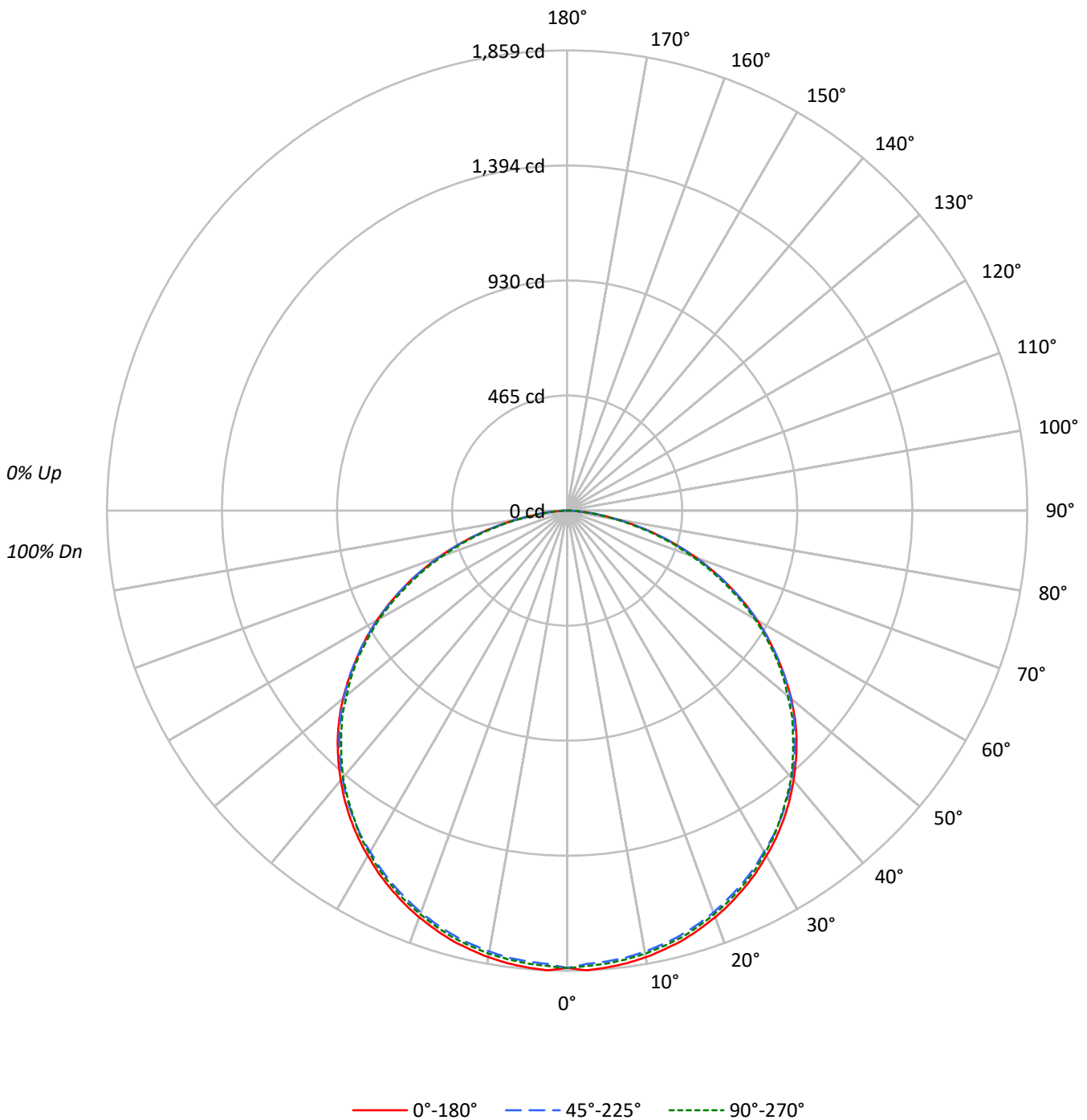
Input Watts (W): 34.1991
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	59675	59675	59675
5°	59952	47467	44098
10°	59857	39512	34949
15°	59781	33694	28809
20°	59630	29177	24285
25°	59487	25528	20820
30°	59337	22467	18001
35°	59221	19898	15626
40°	58941	17585	13626
45°	58648	15470	11790
50°	57951	13484	10128
55°	56695	11550	8611
60°	55284	9668	7131
65°	52917	7796	5631
70°	49527	5891	4205
75°	43527	4027	2846
80°	34459	2250	1536
85°	22174	813	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	3.2
10°-20°	504.6	9.1
20°-30°	773.3	14.0
30°-40°	947.9	17.1
40°-50°	1004.2	18.2
50°-60°	925.9	16.8
60°-70°	711.5	12.9
70°-80°	394.4	7.1
80°-90°	90.7	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°	1453.0	26.3
0°-40°	2400.9	43.4
0°-60°	4331.0	78.4
0°-90°	5527.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5527.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1848	1848	1848	1848	1848	
5°	1853	1845	1829	1846	1836	176
15°	1798	1790	1776	1792	1785	507
25°	1686	1680	1666	1683	1674	777
35°	1524	1517	1510	1515	1507	954
45°	1311	1307	1302	1300	1291	1010
55°	1037	1045	1038	1034	1027	927
65°	724	725	724	714	706	715
75°	376	377	375	369	363	398
85°	74	75	74	70	64	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1848.0	1848.0	1848.0	1848.0	1848.0
2.5°	1858.9	1849.8	1832.8	1849.8	1841.3
5°	1852.9	1845.0	1828.6	1846.2	1836.5
7.5°	1844.3	1837.7	1821.3	1838.3	1828.6
10°	1832.2	1824.9	1809.1	1827.3	1817.6
12.5°	1815.8	1809.1	1793.9	1810.9	1802.4
15°	1798.2	1789.7	1775.7	1791.5	1785.4
17.5°	1773.9	1767.2	1753.2	1768.4	1761.7
20°	1748.4	1741.7	1727.7	1742.9	1735.6
22.5°	1719.2	1712.5	1697.9	1714.3	1707.1
25°	1685.8	1679.7	1666.4	1683.4	1674.3
27.5°	1650.6	1645.7	1631.1	1645.1	1639.6
30°	1610.5	1607.4	1591.6	1602.6	1597.7
32.5°	1569.8	1564.3	1553.4	1561.9	1557.0
35°	1524.2	1516.9	1509.6	1515.1	1506.6
37.5°	1475.6	1470.7	1462.8	1467.7	1458.0
40°	1422.7	1418.5	1412.4	1413.6	1408.2
42.5°	1368.1	1363.2	1358.4	1355.9	1349.8
45°	1311.0	1306.7	1301.9	1300.0	1290.9
47.5°	1249.0	1246.0	1242.9	1238.7	1232.0
50°	1182.2	1183.4	1177.9	1174.3	1162.7
52.5°	1110.5	1117.8	1109.9	1104.4	1097.7
55°	1037.0	1044.9	1038.2	1034.0	1026.7
57.5°	964.1	967.7	963.5	960.4	950.7
60°	886.9	890.0	886.9	880.3	875.4
62.5°	807.4	811.0	804.9	800.1	793.4
65°	723.5	725.3	724.1	714.4	705.9
67.5°	639.1	642.1	638.5	631.8	623.3
70°	554.6	552.8	549.8	544.9	534.0
72.5°	465.3	465.3	464.7	455.6	450.2
75°	376.0	376.6	374.8	368.7	363.3
77.5°	286.7	293.4	288.6	282.5	276.4
80°	207.2	211.4	207.2	199.3	195.6
82.5°	132.4	138.5	134.9	127.0	125.8
85°	74.1	75.3	73.5	69.9	63.8
87.5°	27.9	29.2	29.8	24.3	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)