

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: P289643

Luminaire Tested: **4SSRK-TB-80-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-1)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SSRK-TB-80-L935-CD1-U
Description: 8000 LUMEN, 4 FOOT SSRK LED LUMINAIRE WITH TRILOBE RIBBED LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6643.5 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.08 / 1.24
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 4' x H: 0.17')
CIE Type: Direct

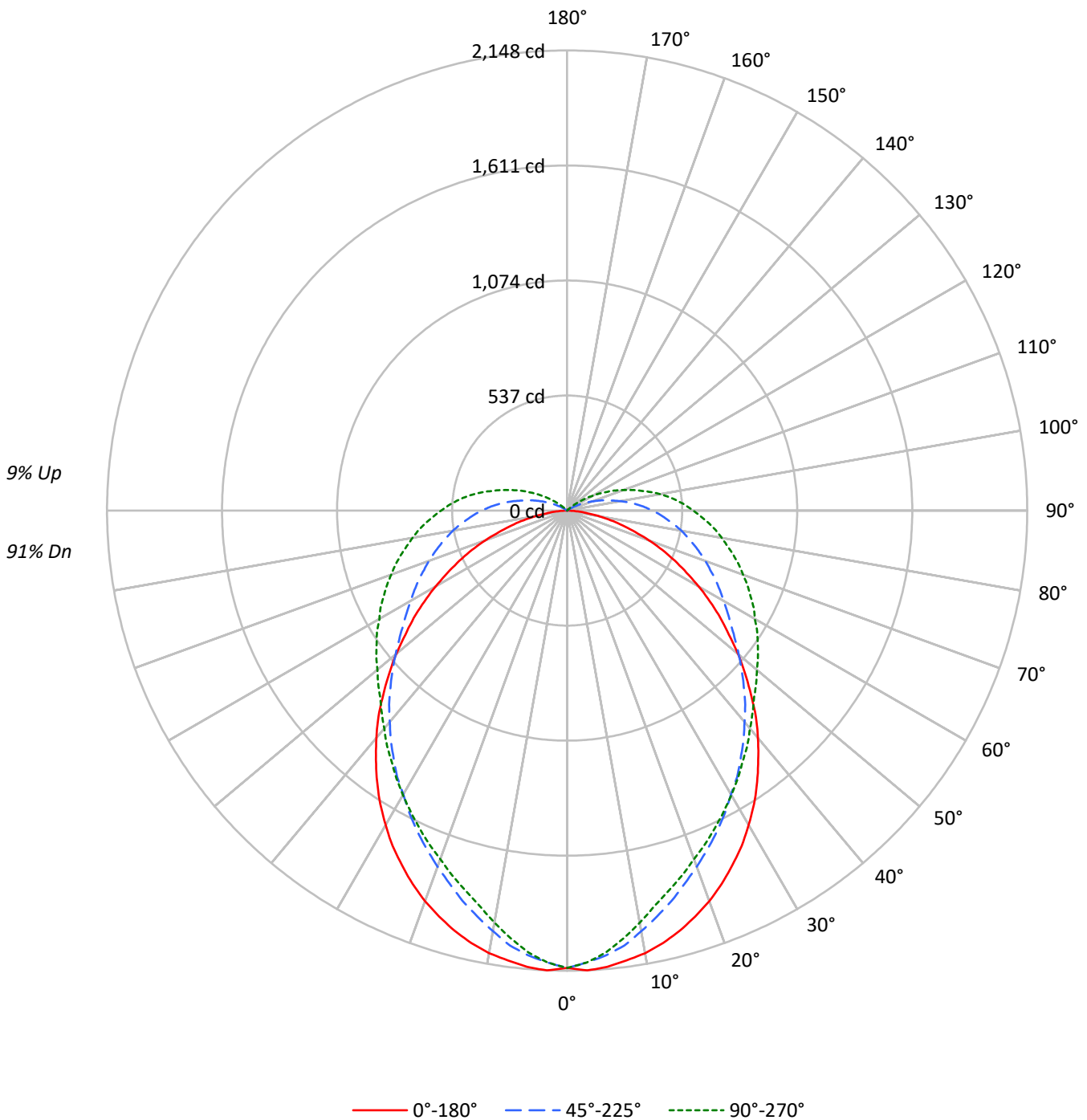
Input Watts (W): 62.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	91
1	104	98	93	89	100	95	90	86	89	85	82	84	80	78	78	76	74	71
2	94	85	77	71	90	82	75	69	77	71	66	72	67	63	68	64	60	58
3	85	74	65	58	82	72	64	57	67	60	55	63	58	53	60	55	51	48
4	78	65	56	49	75	63	55	48	60	52	47	56	50	45	53	48	43	41
5	72	58	49	42	69	57	48	41	53	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	42	36	48	41	35	46	39	34	43	38	33	31
7	61	48	39	32	59	46	38	32	44	37	31	42	35	30	40	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	31	26	24
9	54	40	32	26	52	39	31	26	37	30	25	35	29	24	34	28	24	22
10	50	37	29	24	48	36	28	23	34	28	23	33	27	22	31	26	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	137872	137872	137872
5°	138115	108102	99452
10°	136569	86932	75116
15°	134269	71414	59239
20°	131326	59572	48453
25°	127605	50531	40636
30°	123390	43048	34545
35°	118472	37094	29638
40°	112829	31946	25700
45°	106418	27619	22538
50°	99760	23844	20149
55°	92893	20709	18215
60°	85463	18318	16486
65°	77814	16360	15073
70°	68925	14629	13766
75°	58090	13089	12588
80°	45516	11699	11509
85°	28712	10286	10504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	3.0
10°-20°	538.7	8.1
20°-30°	779.4	11.7
30°-40°	906.6	13.6
40°-50°	922.8	13.9
50°-60°	858.7	12.9
60°-70°	747.7	11.3
70°-80°	608.7	9.2
80°-90°	461.1	6.9
90°-100°	319.7	4.8
100°-110°	187.9	2.8
110°-120°	88.1	1.3
120°-130°	25.1	0.4
130°-140°	1.4	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°	1515.7	22.8
0°-40°	2422.3	36.5
0°-60°	4203.8	63.3
0°-90°	6021.3	90.6
90°-120°	595.8	9.0
90°-150°	622.2	9.4
90°-180°	622.0	9.4
0°-180°	6643.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2135	2135	2135	2135	2135	
5°	2138	2121	2084	2084	2071	203
15°	2031	1977	1886	1852	1836	572
25°	1826	1745	1654	1641	1634	841
35°	1546	1466	1412	1426	1429	966
45°	1214	1167	1167	1214	1234	937
55°	874	871	935	1046	1086	780
65°	555	602	763	898	945	550
75°	269	393	612	753	804	287
85°	57	245	467	615	662	66
90°	0	178	397	541	588	3
95°	0	114	326	471	518	0
105°	0	27	185	313	356	0
115°	0	0	74	172	208	0
125°	0	0	3	57	84	0
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°	3	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°	2134.8	2134.8	2134.8	2134.8	2134.8
2.5°	2148.3	2138.2	2111.3	2121.4	2111.3
5°	2138.2	2121.4	2084.4	2084.4	2070.9
7.5°	2118.0	2097.8	2047.4	2030.6	2013.8
10°	2097.8	2067.6	1993.6	1973.4	1953.3
12.5°	2067.6	2023.9	1939.8	1909.6	1889.4
15°	2030.6	1976.8	1886.0	1852.4	1835.6
17.5°	1986.9	1926.4	1825.5	1798.6	1785.2
20°	1939.8	1869.2	1768.4	1744.8	1731.4
22.5°	1886.0	1805.4	1711.2	1694.4	1684.3
25°	1825.5	1744.8	1654.1	1640.6	1633.9
27.5°	1765.0	1677.6	1593.6	1586.8	1583.5
30°	1694.4	1610.4	1529.7	1533.0	1533.0
32.5°	1623.8	1539.8	1475.9	1482.6	1482.6
35°	1546.5	1465.8	1412.0	1425.5	1428.8
37.5°	1465.8	1395.2	1351.5	1371.7	1381.7
40°	1385.1	1321.2	1287.6	1317.9	1328.0
42.5°	1304.4	1243.9	1230.5	1267.4	1280.9
45°	1213.7	1166.6	1166.6	1213.7	1233.8
47.5°	1126.2	1096.0	1106.1	1166.6	1196.8
50°	1042.2	1018.7	1045.6	1122.9	1156.5
52.5°	951.4	944.7	988.4	1082.5	1122.9
55°	874.1	870.7	934.6	1045.6	1085.9
57.5°	790.1	800.1	887.5	1008.6	1052.3
60°	709.4	729.5	843.8	971.6	1011.9
62.5°	628.7	669.0	803.5	934.6	981.7
65°	554.7	601.8	763.2	897.6	944.7
67.5°	480.8	541.3	722.8	864.0	911.1
70°	406.8	487.5	685.8	827.0	874.1
72.5°	332.8	440.4	648.9	790.1	840.5
75°	269.0	393.3	611.9	753.1	803.5
77.5°	208.4	356.4	574.9	722.8	766.5
80°	151.3	316.0	541.3	685.8	732.9
82.5°	97.5	282.4	504.3	648.9	699.3
85°	57.2	245.4	467.3	615.2	662.3
87.5°	23.5	208.4	433.7	578.3	625.3
90°	0.0	178.2	396.7	541.3	588.3
92.5°	0.0	147.9	363.1	507.6	554.7
95°	0.0	114.3	326.1	470.7	517.7
97.5°	0.0	87.4	289.1	433.7	480.8
100°	0.0	67.2	252.1	390.0	440.4
102.5°	0.0	47.1	215.2	349.6	400.1
105°	0.0	26.9	184.9	312.7	356.4
107.5°	0.0	13.4	154.6	275.7	319.4
110°	0.0	3.4	124.4	238.7	279.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	0.0	97.5	205.1	245.4
115°	0.0	0.0	74.0	171.5	208.4
117.5°	0.0	0.0	50.4	141.2	174.8
120°	0.0	0.0	30.3	110.9	141.2
122.5°	0.0	0.0	13.4	84.0	110.9
125°	0.0	0.0	3.4	57.2	84.0
127.5°	0.0	0.0	0.0	33.6	57.2
130°	0.0	0.0	0.0	16.8	33.6
132.5°	0.0	0.0	0.0	3.4	13.4
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°	3.4	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)