

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: P290061

Luminaire Tested: **8SSRK-RB-80-L935-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-RB-80-L935-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6917.0 lumens
Efficiency: N/A
Efficacy: 122.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.65 / 1.6
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

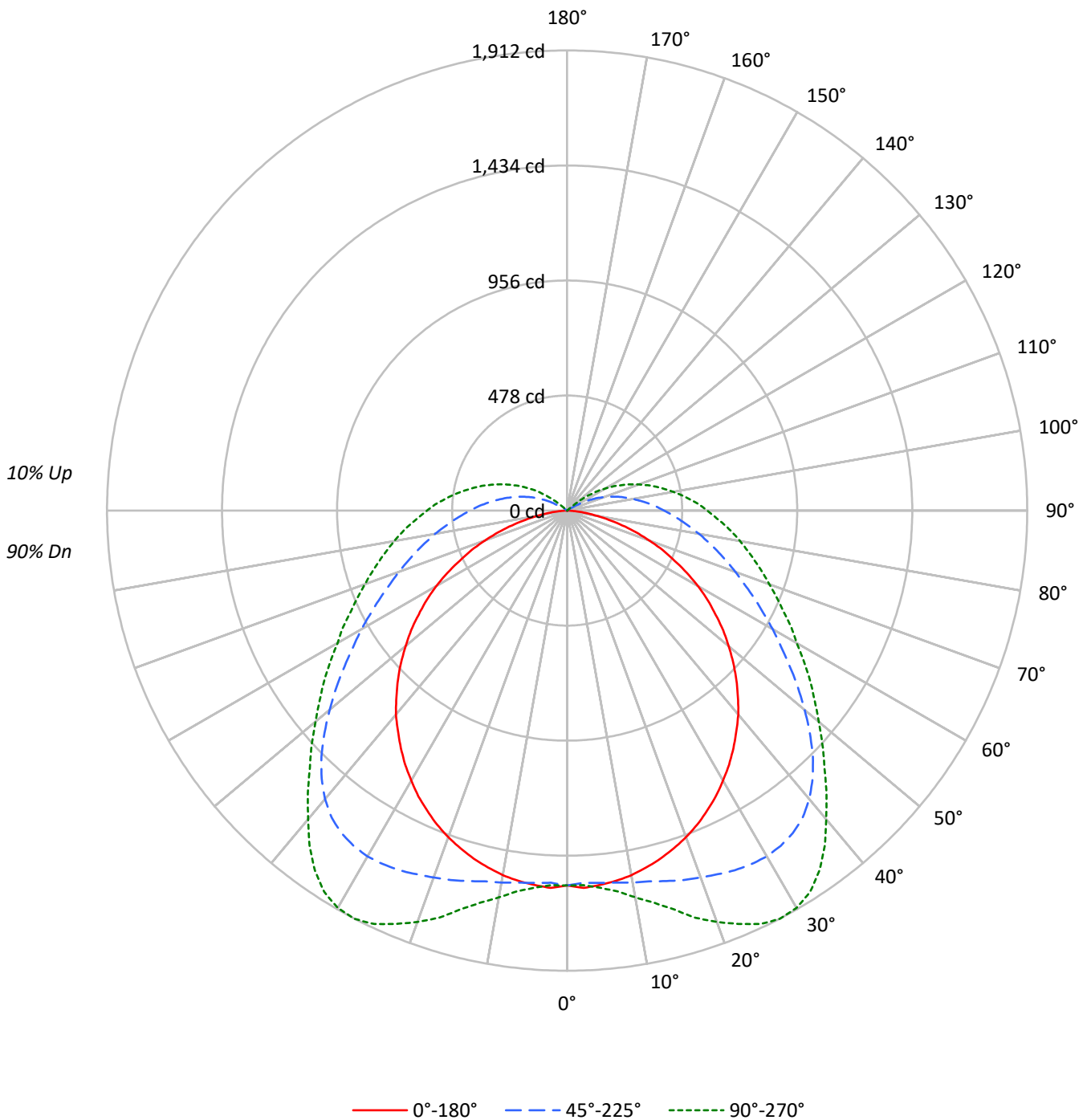
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	90
1	104	98	93	88	100	95	90	86	89	85	81		83	80	77		78	75	73	70
2	94	84	77	70	90	82	74	68	76	70	65		71	67	62		67	63	59	57
3	85	73	64	57	81	71	63	56	66	60	54		62	56	52		58	54	49	47
4	77	64	55	48	74	62	54	47	59	51	45		55	49	44		52	46	42	39
5	71	57	48	41	68	56	47	40	52	45	39		49	43	37		46	41	36	34
6	65	51	42	35	63	50	41	35	47	39	34		44	38	32		42	36	31	29
7	60	46	37	31	58	45	36	30	43	35	29		40	34	29		38	32	28	25
8	56	42	33	27	54	41	33	27	39	31	26		37	30	25		35	29	25	22
9	52	38	30	24	50	37	29	24	36	28	23		34	27	23		32	26	22	20
10	49	35	27	22	47	34	27	22	33	26	21		31	25	20		30	24	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	50297	50297	50297
5°	50533	40300	37763
10°	50256	34274	31369
15°	49774	30239	27678
20°	49258	27396	25457
25°	48541	25262	23572
30°	47713	23420	21481
35°	46799	21558	18947
40°	45833	19486	16200
45°	44502	17162	13813
50°	42926	14748	11888
55°	41179	12569	10334
60°	39158	10753	8971
65°	35949	9210	7909
70°	32506	7972	7041
75°	27482	6931	6327
80°	20639	6039	5729
85°	11282	5251	5182



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.8	2.2
10°-20°	455.7	6.6
20°-30°	758.6	11.0
30°-40°	981.1	14.2
40°-50°	1036.2	15.0
50°-60°	955.4	13.8
60°-70°	802.8	11.6
70°-80°	629.0	9.1
80°-90°	462.8	6.7
90°-100°	329.8	4.8
100°-110°	211.8	3.1
110°-120°	111.2	1.6
120°-130°	32.3	0.5
130°-140°	0.8	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°	1364.0	19.7
0°-40°	2345.0	33.9
0°-60°	4336.6	62.7
0°-90°	6231.2	90.1
90°-120°	652.8	9.4
90°-150°	685.9	9.9
90°-180°	686.0	9.9
0°-180°	6917.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1558	1558	1558	1558	1558	
5°	1562	1561	1552	1573	1573	148
15°	1497	1526	1594	1688	1715	422
25°	1376	1453	1649	1838	1896	634
35°	1204	1339	1636	1802	1827	753
45°	995	1172	1444	1506	1512	767
55°	753	936	1130	1207	1232	674
65°	492	673	856	960	991	489
75°	237	438	645	768	808	252
85°	38	256	475	610	653	50
90°	1	188	403	539	582	2
95°	2	136	339	473	515	2
105°	2	44	221	343	383	3
115°	2	2	106	213	250	2
125°	2	1	0	76	113	1
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°	0	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°	1557.6	1557.6	1557.6	1557.6	1557.6
2.5°	1569.3	1562.6	1547.5	1560.9	1557.6
5°	1561.8	1560.9	1552.5	1572.7	1572.7
7.5°	1551.7	1555.1	1559.3	1592.8	1595.3
10°	1538.3	1548.4	1569.3	1620.5	1631.4
12.5°	1519.0	1537.4	1577.7	1651.5	1669.1
15°	1497.2	1526.5	1593.6	1688.4	1715.3
17.5°	1472.0	1510.6	1609.6	1733.7	1774.0
20°	1444.3	1494.7	1622.2	1774.8	1819.3
22.5°	1412.5	1475.4	1635.6	1808.4	1858.7
25°	1375.6	1452.7	1649.0	1837.7	1895.6
27.5°	1338.7	1429.2	1656.6	1856.2	1912.4
30°	1295.0	1403.2	1659.1	1858.7	1906.5
32.5°	1252.3	1374.7	1651.5	1841.1	1878.8
35°	1204.5	1338.7	1635.6	1802.5	1826.8
37.5°	1155.0	1300.1	1607.9	1742.9	1758.0
40°	1106.3	1264.0	1565.1	1667.5	1674.2
42.5°	1050.1	1217.9	1509.8	1587.8	1594.5
45°	994.8	1171.7	1444.3	1506.4	1512.3
47.5°	936.1	1118.9	1367.2	1425.1	1439.3
50°	875.7	1061.0	1288.3	1349.6	1364.7
52.5°	817.0	1001.5	1208.7	1278.3	1295.9
55°	753.2	936.1	1129.8	1207.0	1232.1
57.5°	692.0	871.5	1053.5	1139.0	1166.7
60°	628.2	805.2	986.4	1076.1	1101.3
62.5°	561.1	738.1	917.6	1018.3	1050.1
65°	491.5	672.7	855.5	960.4	991.4
67.5°	430.3	609.8	796.0	906.7	941.9
70°	364.0	549.4	744.0	858.9	894.1
72.5°	299.4	493.2	692.0	812.8	850.5
75°	237.4	437.8	645.0	767.5	807.7
77.5°	177.0	386.7	598.9	726.4	766.6
80°	124.1	339.7	556.1	686.9	729.7
82.5°	77.2	297.8	514.2	648.4	692.0
85°	37.7	255.8	474.7	609.8	653.4
87.5°	10.9	218.9	437.8	572.9	615.7
90°	0.8	187.9	402.6	539.3	582.1
92.5°	1.7	160.2	372.4	505.8	551.1
95°	2.5	135.9	338.9	473.1	515.0
97.5°	2.5	112.4	307.8	440.3	481.4
100°	2.5	89.7	277.6	406.0	447.9
102.5°	2.5	67.9	248.3	374.1	414.3
105°	2.5	44.5	220.6	343.1	383.3
107.5°	2.5	19.3	191.2	309.5	349.8
110°	2.5	4.2	162.7	278.5	317.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.5	2.5	135.9	245.8	285.2
115°	1.7	2.5	105.7	213.0	250.0
117.5°	1.7	1.7	72.1	181.2	218.9
120°	1.7	1.7	37.7	149.3	183.7
122.5°	1.7	0.8	7.5	114.1	151.8
125°	1.7	0.8	0.0	76.3	113.2
127.5°	1.7	0.8	0.0	39.4	77.2
130°	0.8	0.8	0.0	5.9	36.9
132.5°	0.8	0.8	0.0	0.0	1.7
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°	0.0	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)