

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: P290060

Luminaire Tested: **8SSRK-RB-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290060
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-L930-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6516.5 lumens
Efficiency: N/A
Efficacy: 115.0 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

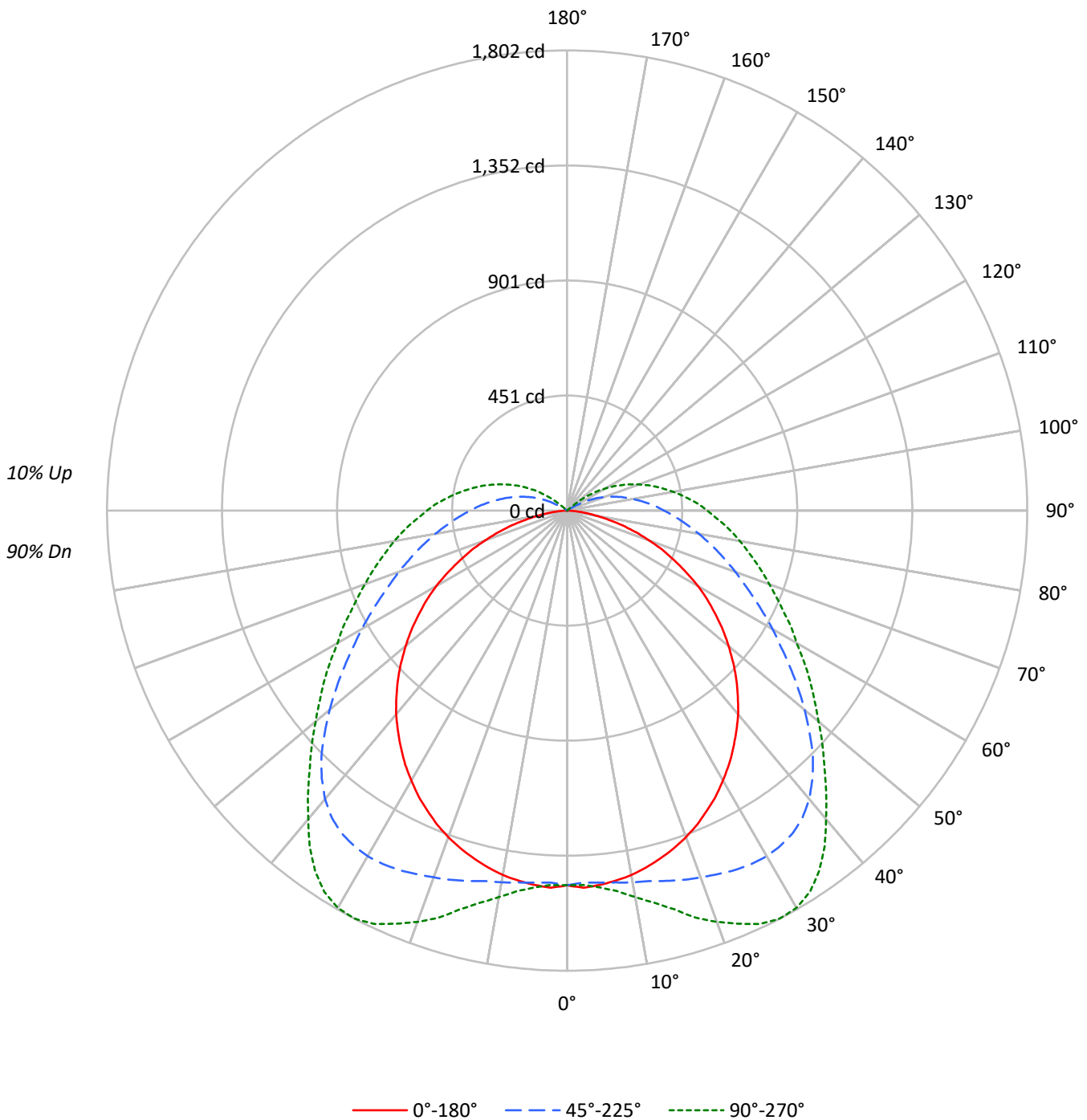
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	50	30	10	0	
RCR																						
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	93	93	93	90	
1	104	98	93	88	100	95	90	86	89	85	81	83	80	77	78	75	73	78	75	73	70	
2	94	84	77	70	90	82	74	68	76	70	65	71	67	62	67	63	59	67	63	59	57	
3	85	73	64	57	81	71	63	56	66	60	54	62	56	52	58	54	49	58	54	49	47	
4	77	64	55	48	74	62	54	47	59	51	45	55	49	44	52	46	42	52	46	42	39	
5	71	57	48	41	68	56	47	40	52	45	39	49	43	37	46	41	36	46	41	36	34	
6	65	51	42	35	63	50	41	35	47	39	34	44	38	32	42	36	31	42	36	31	29	
7	60	46	37	31	58	45	36	30	43	35	29	40	34	29	38	32	28	38	32	28	25	
8	56	42	33	27	54	41	33	27	39	31	26	37	30	25	35	29	25	35	29	25	22	
9	52	38	30	24	50	37	29	24	36	28	23	34	27	23	32	26	22	32	26	22	20	
10	49	35	27	22	47	34	27	22	33	26	21	31	25	20	30	24	20	30	24	20	18	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	47385	47385	47385
5°	47605	37966	35576
10°	47345	32289	29552
15°	46892	28487	26074
20°	46407	25808	23982
25°	45728	23799	22207
30°	44949	22063	20237
35°	44087	20310	17850
40°	43182	18358	15261
45°	41926	16169	13012
50°	40441	13894	11199
55°	38795	11842	9736
60°	36889	10130	8451
65°	33864	8677	7451
70°	30622	7510	6633
75°	25885	6530	5960
80°	19442	5689	5398
85°	10653	4946	4882



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.1	2.2
10°-20°	429.3	6.6
20°-30°	714.6	11.0
30°-40°	924.2	14.2
40°-50°	976.2	15.0
50°-60°	900.0	13.8
60°-70°	756.3	11.6
70°-80°	592.6	9.1
80°-90°	436.0	6.7
90°-100°	310.7	4.8
100°-110°	199.6	3.1
110°-120°	104.8	1.6
120°-130°	30.5	0.5
130°-140°	0.7	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°	1285.0	19.7
0°-40°	2209.2	33.9
0°-60°	4085.4	62.7
0°-90°	5870.3	90.1
90°-120°	615.0	9.4
90°-150°	646.2	9.9
90°-180°	646.0	9.9
0°-180°	6516.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1467	1467	1467	1467	1467	
5°	1471	1470	1463	1482	1482	140
15°	1410	1438	1501	1591	1616	398
25°	1296	1369	1554	1731	1786	597
35°	1135	1261	1541	1698	1721	710
45°	937	1104	1361	1419	1425	722
55°	710	882	1064	1137	1161	635
65°	463	634	806	905	934	461
75°	224	412	608	723	761	238
85°	36	241	447	574	616	47
90°	1	177	379	508	548	2
95°	2	128	319	446	485	2
105°	2	42	208	323	361	3
115°	2	2	100	201	236	2
125°	2	1	0	72	107	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°	1467.4	1467.4	1467.4	1467.4	1467.4
2.5°	1478.4	1472.1	1457.9	1470.5	1467.4
5°	1471.3	1470.5	1462.6	1481.6	1481.6
7.5°	1461.8	1465.0	1468.9	1500.6	1502.9
10°	1449.2	1458.7	1478.4	1526.6	1536.9
12.5°	1431.0	1448.4	1486.3	1555.9	1572.5
15°	1410.5	1438.1	1501.3	1590.6	1615.9
17.5°	1386.8	1423.1	1516.4	1633.3	1671.2
20°	1360.7	1408.1	1528.2	1672.0	1713.9
22.5°	1330.7	1389.9	1540.9	1703.6	1751.0
25°	1295.9	1368.6	1553.5	1731.3	1785.8
27.5°	1261.1	1346.5	1560.6	1748.7	1801.6
30°	1220.0	1322.0	1563.0	1751.0	1796.1
32.5°	1179.7	1295.1	1555.9	1734.5	1770.0
35°	1134.7	1261.1	1540.9	1698.1	1721.0
37.5°	1088.1	1224.8	1514.8	1642.0	1656.2
40°	1042.3	1190.8	1474.5	1570.9	1577.2
42.5°	989.3	1147.3	1422.3	1495.8	1502.1
45°	937.2	1103.9	1360.7	1419.2	1424.7
47.5°	881.8	1054.1	1288.0	1342.5	1356.0
50°	825.0	999.6	1213.7	1271.4	1285.6
52.5°	769.6	943.5	1138.7	1204.2	1220.8
55°	709.6	881.8	1064.4	1137.1	1160.8
57.5°	651.9	821.0	992.5	1073.1	1099.1
60°	591.8	758.6	929.3	1013.8	1037.5
62.5°	528.6	695.4	864.5	959.3	989.3
65°	463.0	633.7	806.0	904.8	934.0
67.5°	405.4	574.5	749.9	854.2	887.4
70°	342.9	517.6	700.9	809.1	842.3
72.5°	282.1	464.6	651.9	765.7	801.2
75°	223.6	412.5	607.7	723.0	760.9
77.5°	166.7	364.3	564.2	684.3	722.2
80°	116.9	320.0	523.9	647.2	687.5
82.5°	72.7	280.5	484.4	610.8	651.9
85°	35.6	241.0	447.2	574.5	615.6
87.5°	10.3	206.2	412.5	539.7	580.0
90°	0.8	177.0	379.3	508.1	548.4
92.5°	1.6	150.9	350.8	476.5	519.1
95°	2.4	128.0	319.2	445.7	485.2
97.5°	2.4	105.9	290.0	414.8	453.6
100°	2.4	84.5	261.6	382.4	422.0
102.5°	2.4	64.0	233.9	352.4	390.4
105°	2.4	41.9	207.8	323.2	361.1
107.5°	2.4	18.2	180.2	291.6	329.5
110°	2.4	4.0	153.3	262.3	299.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	2.4	128.0	231.5	268.7
115°	1.6	2.4	99.6	200.7	235.5
117.5°	1.6	1.6	68.0	170.7	206.2
120°	1.6	1.6	35.6	140.7	173.0
122.5°	1.6	0.8	7.1	107.5	143.0
125°	1.6	0.8	0.0	71.9	106.7
127.5°	1.6	0.8	0.0	37.1	72.7
130°	0.8	0.8	0.0	5.5	34.8
132.5°	0.8	0.8	0.0	0.0	1.6
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)