

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: P290062

Luminaire Tested: **8SSRK-RB-80-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290062
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-L940-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7084.6 lumens
Efficiency: N/A
Efficacy: 125.1 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

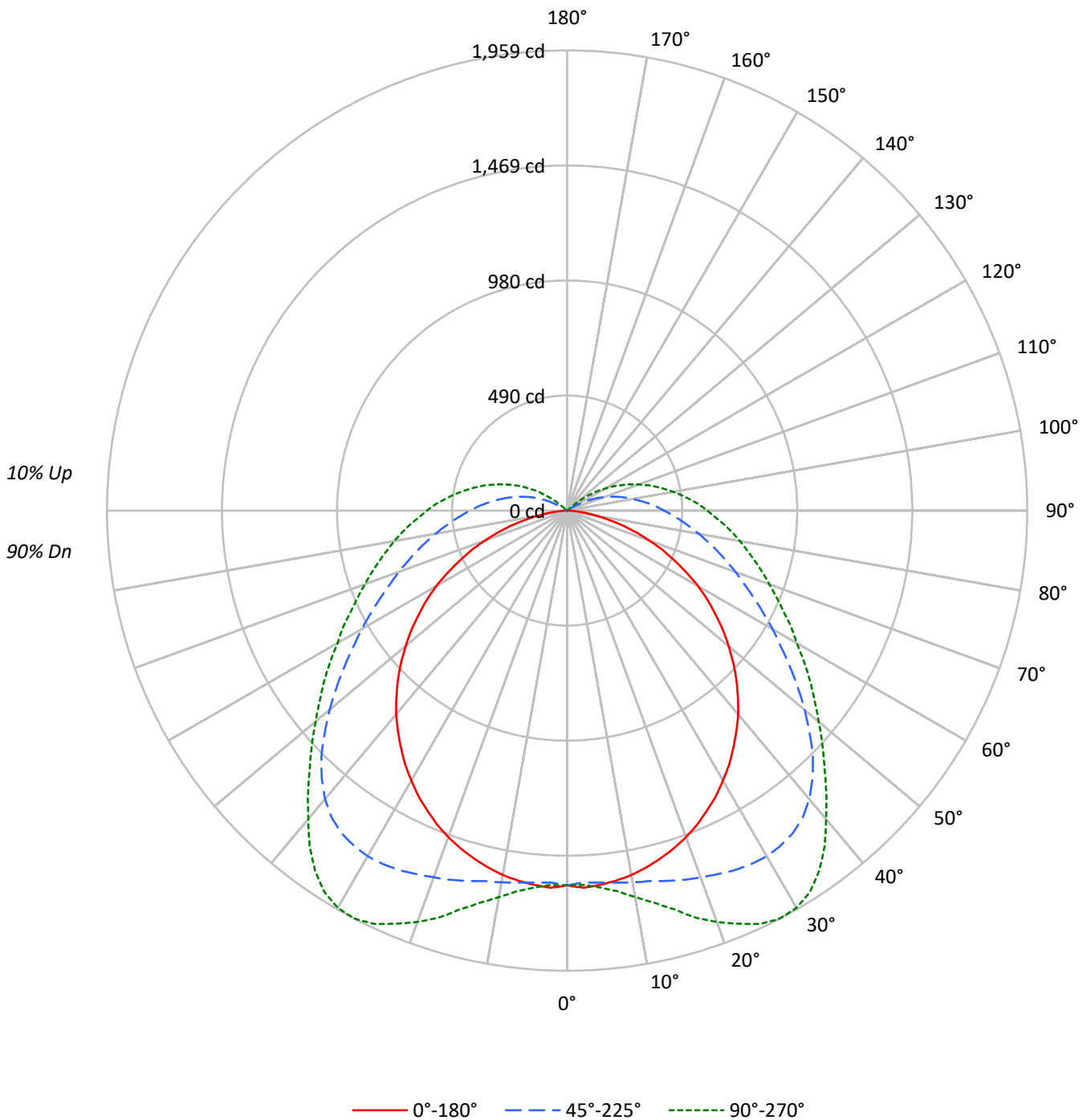
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	51515	51515	51515
5°	51756	41278	38678
10°	51471	35104	32128
15°	50981	30971	28348
20°	50452	28059	26072
25°	49716	25873	24143
30°	48870	23987	22001
35°	47930	22080	19406
40°	46944	19958	16592
45°	45581	17578	14147
50°	43966	15105	12175
55°	42179	12874	10584
60°	40105	11013	9189
65°	36819	9434	8100
70°	33292	8165	7211
75°	28142	7099	6480
80°	21138	6186	5868
85°	11581	5378	5307



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.4	2.2
10°-20°	466.7	6.6
20°-30°	776.9	11.0
30°-40°	1004.8	14.2
40°-50°	1061.3	15.0
50°-60°	978.5	13.8
60°-70°	822.3	11.6
70°-80°	644.3	9.1
80°-90°	474.0	6.7
90°-100°	337.8	4.8
100°-110°	217.0	3.1
110°-120°	113.9	1.6
120°-130°	33.1	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°	1397.0	19.7
0°-40°	2401.8	33.9
0°-60°	4441.6	62.7
0°-90°	6382.1	90.1
90°-120°	668.6	9.4
90°-150°	702.5	9.9
90°-180°	702.0	9.9
0°-180°	7084.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1595	1595	1595	1595	1595	
5°	1600	1599	1590	1611	1611	152
15°	1534	1564	1632	1729	1757	433
25°	1409	1488	1689	1882	1942	649
35°	1234	1371	1675	1846	1871	772
45°	1019	1200	1479	1543	1549	785
55°	772	959	1157	1236	1262	690
65°	503	689	876	984	1015	501
75°	243	448	661	786	827	259
85°	39	262	486	624	669	51
90°	1	192	412	552	596	2
95°	3	139	347	484	528	2
105°	3	46	226	351	393	3
115°	2	3	108	218	256	2
125°	2	1	0	78	116	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°	1595.3	1595.3	1595.3	1595.3	1595.3
2.5°	1607.3	1600.5	1585.0	1598.7	1595.3
5°	1599.6	1598.7	1590.2	1610.8	1610.8
7.5°	1589.3	1592.7	1597.0	1631.4	1634.0
10°	1575.5	1585.9	1607.3	1659.7	1670.9
12.5°	1555.8	1574.7	1615.9	1691.5	1709.6
15°	1533.5	1563.5	1632.2	1729.3	1756.8
17.5°	1507.7	1547.2	1648.6	1775.7	1816.9
20°	1479.3	1530.9	1661.5	1817.8	1863.3
22.5°	1446.7	1511.1	1675.2	1852.2	1903.7
25°	1408.9	1487.9	1688.9	1882.2	1941.5
27.5°	1371.1	1463.9	1696.7	1901.1	1958.7
30°	1326.4	1437.2	1699.3	1903.7	1952.7
32.5°	1282.6	1408.0	1691.5	1885.7	1924.3
35°	1233.6	1371.1	1675.2	1846.2	1871.1
37.5°	1182.9	1331.6	1646.9	1785.2	1800.6
40°	1133.1	1294.6	1603.0	1707.8	1714.7
42.5°	1075.6	1247.4	1546.3	1626.2	1633.1
45°	1018.9	1200.1	1479.3	1542.9	1548.9
47.5°	958.7	1146.0	1400.3	1459.6	1474.2
50°	896.9	1086.7	1319.5	1382.3	1397.7
52.5°	836.7	1025.7	1237.9	1309.2	1327.3
55°	771.5	958.7	1157.2	1236.2	1262.0
57.5°	708.7	892.6	1079.0	1166.6	1195.0
60°	643.4	824.7	1010.3	1102.2	1128.0
62.5°	574.7	756.0	939.8	1042.9	1075.6
65°	503.4	689.0	876.3	983.6	1015.4
67.5°	440.7	624.5	815.3	928.7	964.7
70°	372.8	562.7	762.0	879.7	915.8
72.5°	306.7	505.1	708.7	832.4	871.1
75°	243.1	448.4	660.6	786.1	827.3
77.5°	181.3	396.0	613.4	744.0	785.2
80°	127.1	347.9	569.6	703.6	747.4
82.5°	79.0	305.0	526.6	664.1	708.7
85°	38.7	262.0	486.2	624.5	669.2
87.5°	11.2	224.2	448.4	586.7	630.6
90°	0.9	192.4	412.4	552.4	596.2
92.5°	1.7	164.1	381.4	518.0	564.4
95°	2.6	139.2	347.1	484.5	527.5
97.5°	2.6	115.1	315.3	451.0	493.1
100°	2.6	91.9	284.4	415.8	458.7
102.5°	2.6	69.6	254.3	383.1	424.4
105°	2.6	45.5	225.9	351.4	392.6
107.5°	2.6	19.8	195.9	317.0	358.2
110°	2.6	4.3	166.7	285.2	325.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	2.6	139.2	251.7	292.1
115°	1.7	2.6	108.2	218.2	256.0
117.5°	1.7	1.7	73.9	185.6	224.2
120°	1.7	1.7	38.7	152.9	188.1
122.5°	1.7	0.9	7.7	116.8	155.5
125°	1.7	0.9	0.0	78.2	116.0
127.5°	1.7	0.9	0.0	40.4	79.0
130°	0.9	0.9	0.0	6.0	37.8
132.5°	0.9	0.9	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)