

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: P290063

Luminaire Tested: **8SSRK-RB-80-L950-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290063
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-L950-CD1-U
Description: 8000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND BATWING LENS AND 90 CRI 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7545.1 lumens
Efficiency: N/A
Efficacy: 133.2 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

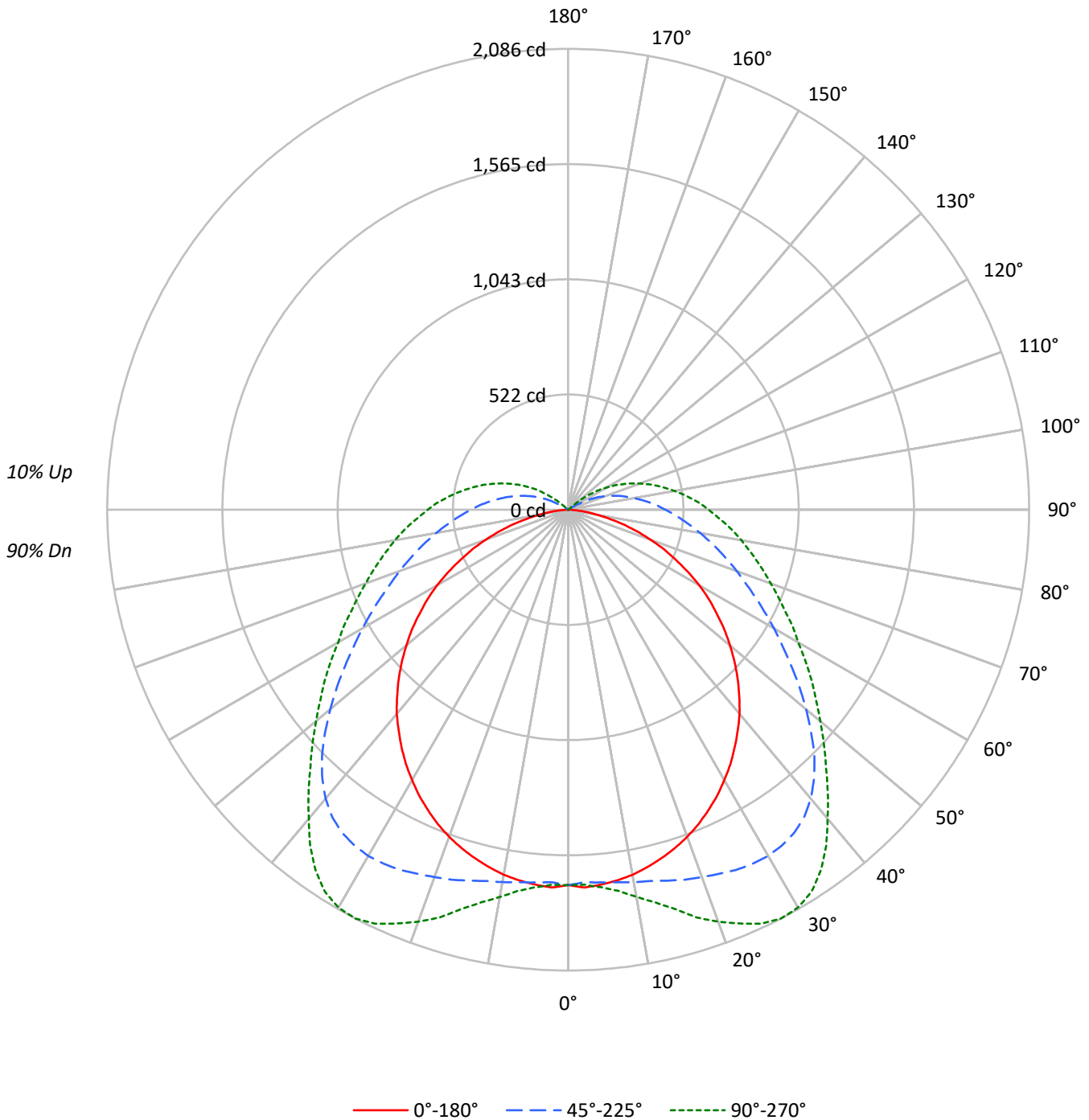
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	54863	54863	54863
5°	55121	43960	41192
10°	54820	37387	34216
15°	54292	32986	30191
20°	53733	29883	27768
25°	52948	27555	25712
30°	52046	25546	23431
35°	51046	23516	20668
40°	49997	21257	17671
45°	48542	18721	15067
50°	46823	16088	12967
55°	44918	13711	11272
60°	42717	11730	9786
65°	39211	10047	8627
70°	35462	8695	7680
75°	29971	7561	6902
80°	22518	6587	6250
85°	12329	5727	5652



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.4	2.2
10°-20°	497.0	6.6
20°-30°	827.4	11.0
30°-40°	1070.1	14.2
40°-50°	1130.3	15.0
50°-60°	1042.1	13.8
60°-70°	875.7	11.6
70°-80°	686.2	9.1
80°-90°	504.8	6.7
90°-100°	359.7	4.8
100°-110°	231.1	3.1
110°-120°	121.3	1.6
120°-130°	35.3	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°	1487.8	19.7
0°-40°	2558.0	33.9
0°-60°	4730.3	62.7
0°-90°	6797.0	90.1
90°-120°	712.0	9.4
90°-150°	748.1	9.9
90°-180°	748.0	9.9
0°-180°	7545.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1699	1699	1699	1699	1699	
5°	1704	1703	1694	1716	1716	162
15°	1633	1665	1738	1842	1871	461
25°	1500	1585	1799	2005	2068	692
35°	1314	1460	1784	1966	1993	822
45°	1085	1278	1576	1643	1650	836
55°	822	1021	1232	1317	1344	735
65°	536	734	933	1048	1081	534
75°	259	478	704	837	881	275
85°	41	279	518	665	713	54
90°	1	205	439	588	635	2
95°	3	148	370	516	562	2
105°	3	48	241	374	418	3
115°	2	3	115	232	273	2
125°	2	1	0	83	124	2
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°	1699.0	1699.0	1699.0	1699.0	1699.0
2.5°	1711.8	1704.5	1688.0	1702.7	1699.0
5°	1703.6	1702.7	1693.5	1715.5	1715.5
7.5°	1692.6	1696.3	1700.9	1737.4	1740.2
10°	1678.0	1689.0	1711.8	1767.6	1779.5
12.5°	1656.9	1677.1	1721.0	1801.5	1820.7
15°	1633.1	1665.2	1738.4	1841.7	1871.0
17.5°	1605.7	1647.8	1755.7	1891.2	1935.1
20°	1575.5	1630.4	1769.5	1936.0	1984.5
22.5°	1540.7	1609.4	1784.1	1972.6	2027.5
25°	1500.5	1584.7	1798.7	2004.6	2067.7
27.5°	1460.2	1559.0	1807.0	2024.7	2086.0
30°	1412.6	1530.7	1809.7	2027.5	2079.6
32.5°	1366.0	1499.6	1801.5	2008.3	2049.4
35°	1313.8	1460.2	1784.1	1966.2	1992.7
37.5°	1259.9	1418.1	1753.9	1901.2	1917.7
40°	1206.8	1378.8	1707.3	1818.9	1826.2
42.5°	1145.5	1328.5	1646.9	1732.0	1739.3
45°	1085.1	1278.2	1575.5	1643.2	1649.6
47.5°	1021.1	1220.5	1491.3	1554.5	1570.0
50°	955.2	1157.4	1405.3	1472.1	1488.6
52.5°	891.1	1092.4	1318.4	1394.3	1413.6
55°	821.6	1021.1	1232.4	1316.6	1344.0
57.5°	754.8	950.6	1149.1	1242.5	1272.7
60°	685.3	878.3	1076.0	1173.9	1201.3
62.5°	612.1	805.1	1000.9	1110.7	1145.5
65°	536.1	733.8	933.2	1047.6	1081.4
67.5°	469.4	665.2	868.3	989.0	1027.5
70°	397.1	599.3	811.5	936.9	975.3
72.5°	326.6	538.0	754.8	886.6	927.7
75°	258.9	477.6	703.6	837.2	881.1
77.5°	193.0	421.8	653.3	792.3	836.2
80°	135.4	370.5	606.6	749.3	796.0
82.5°	84.2	324.8	560.9	707.2	754.8
85°	41.2	279.1	517.8	665.2	712.7
87.5°	11.9	238.8	477.6	624.9	671.6
90°	0.9	204.9	439.2	588.3	635.0
92.5°	1.8	174.8	406.2	551.7	601.1
95°	2.7	148.2	369.6	516.0	561.8
97.5°	2.7	122.6	335.8	480.3	525.2
100°	2.7	97.9	302.8	442.8	488.6
102.5°	2.7	74.1	270.8	408.1	452.0
105°	2.7	48.5	240.6	374.2	418.1
107.5°	2.7	21.0	208.6	337.6	381.5
110°	2.7	4.6	177.5	303.8	346.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.7	2.7	148.2	268.1	311.1
115°	1.8	2.7	115.3	232.4	272.6
117.5°	1.8	1.8	78.7	197.6	238.8
120°	1.8	1.8	41.2	162.9	200.4
122.5°	1.8	0.9	8.2	124.4	165.6
125°	1.8	0.9	0.0	83.3	123.5
127.5°	1.8	0.9	0.0	43.0	84.2
130°	0.9	0.9	0.0	6.4	40.3
132.5°	0.9	0.9	0.0	0.0	1.8
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)