

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: P290070

Luminaire Tested: **8SSRK-RB-10-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290070
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-10-L940-CD1-U
Description: 10000 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: 8693.2 lumens
Efficiency: N/A
Efficacy: 120.9 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

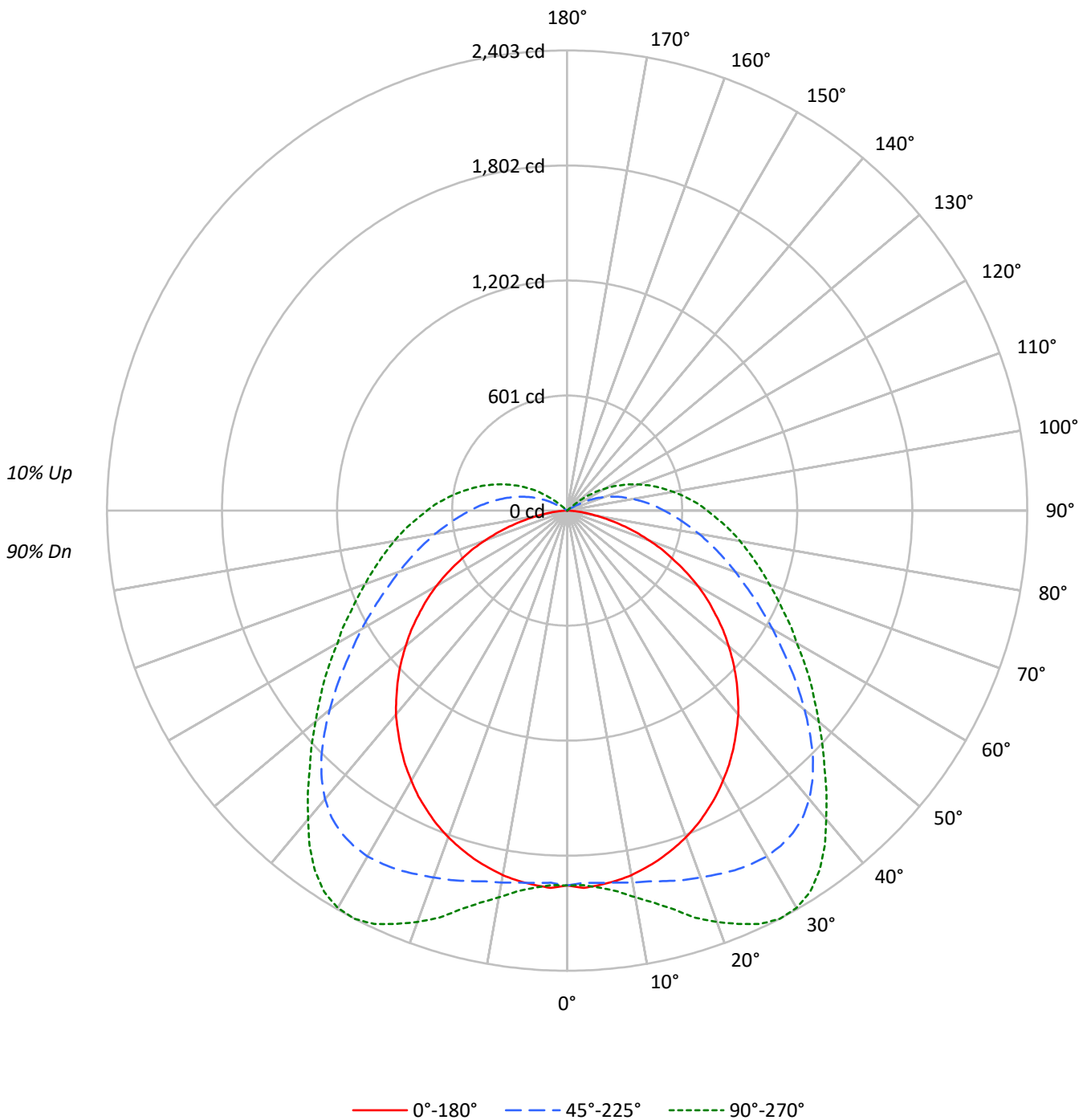
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	63211	63211	63211
5°	63508	50649	47459
10°	63160	43076	39423
15°	62554	38005	34785
20°	61908	34429	31993
25°	61004	31748	29624
30°	59967	29433	26997
35°	58813	27094	23812
40°	57603	24490	20360
45°	55928	21570	17359
50°	53946	18536	14940
55°	51752	15797	12987
60°	49212	13514	11275
65°	45179	11576	9940
70°	40856	10018	8849
75°	34532	8710	7951
80°	25944	7590	7200
85°	14184	6599	6512



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	2.2
10°-20°	572.7	6.6
20°-30°	953.3	11.0
30°-40°	1233.0	14.2
40°-50°	1302.2	15.0
50°-60°	1200.7	13.8
60°-70°	1009.0	11.6
70°-80°	790.6	9.1
80°-90°	581.6	6.7
90°-100°	414.4	4.8
100°-110°	266.2	3.1
110°-120°	139.7	1.6
120°-130°	40.6	0.5
130°-140°	1.0	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°	1714.2	19.7
0°-40°	2947.2	33.9
0°-60°	5450.1	62.7
0°-90°	7831.2	90.1
90°-120°	820.4	9.4
90°-150°	862.0	9.9
90°-180°	862.0	9.9
0°-180°	8693.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1958	1958	1958	1958	1958	
5°	1963	1962	1951	1976	1976	186
15°	1882	1918	2003	2122	2156	531
25°	1729	1826	2072	2310	2382	797
35°	1514	1682	2056	2265	2296	947
45°	1250	1473	1815	1893	1901	963
55°	947	1176	1420	1517	1548	847
65°	618	845	1075	1207	1246	615
75°	298	550	811	964	1015	317
85°	47	322	597	766	821	62
90°	1	236	506	678	732	2
95°	3	171	426	594	647	2
105°	3	56	277	431	482	3
115°	2	3	133	268	314	3
125°	2	1	0	96	142	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°	1957.5	1957.5	1957.5	1957.5	1957.5
2.5°	1972.3	1963.9	1944.9	1961.7	1957.5
5°	1962.8	1961.7	1951.2	1976.5	1976.5
7.5°	1950.2	1954.4	1959.6	2001.8	2005.0
10°	1933.3	1945.9	1972.3	2036.6	2050.3
12.5°	1909.0	1932.2	1982.8	2075.6	2097.7
15°	1881.6	1918.5	2002.9	2122.0	2155.7
17.5°	1850.0	1898.5	2022.9	2178.9	2229.5
20°	1815.2	1878.5	2038.7	2230.6	2286.4
22.5°	1775.2	1854.2	2055.6	2272.7	2336.0
25°	1728.8	1825.8	2072.4	2309.6	2382.3
27.5°	1682.4	1796.2	2081.9	2332.8	2403.4
30°	1627.6	1763.6	2085.1	2336.0	2396.1
32.5°	1573.8	1727.7	2075.6	2313.8	2361.3
35°	1513.7	1682.4	2055.6	2265.3	2295.9
37.5°	1451.5	1633.9	2020.8	2190.5	2209.5
40°	1390.4	1588.6	1967.0	2095.6	2104.1
42.5°	1319.8	1530.6	1897.4	1995.5	2003.9
45°	1250.2	1472.6	1815.2	1893.2	1900.6
47.5°	1176.4	1406.2	1718.2	1791.0	1808.9
50°	1100.5	1333.5	1619.2	1696.1	1715.1
52.5°	1026.7	1258.6	1519.0	1606.5	1628.6
55°	946.6	1176.4	1419.9	1516.9	1548.5
57.5°	869.7	1095.2	1324.0	1431.5	1466.3
60°	789.5	1012.0	1239.7	1352.5	1384.1
62.5°	705.2	927.6	1153.2	1279.7	1319.8
65°	617.7	845.4	1075.2	1207.0	1246.0
67.5°	540.8	766.4	1000.4	1139.5	1183.8
70°	457.5	690.5	935.0	1079.4	1123.7
72.5°	376.3	619.8	869.7	1021.5	1068.9
75°	298.3	550.3	810.6	964.5	1015.1
77.5°	222.4	486.0	752.7	912.9	963.5
80°	156.0	426.9	698.9	863.3	917.1
82.5°	97.0	374.2	646.2	814.8	869.7
85°	47.4	321.5	596.6	766.4	821.2
87.5°	13.7	275.1	550.3	720.0	773.7
90°	1.1	236.1	506.0	677.8	731.6
92.5°	2.1	201.3	468.0	635.6	692.6
95°	3.2	170.8	425.9	594.5	647.2
97.5°	3.2	141.3	386.9	553.4	605.1
100°	3.2	112.8	348.9	510.2	562.9
102.5°	3.2	85.4	312.0	470.1	520.7
105°	3.2	55.9	277.2	431.1	481.7
107.5°	3.2	24.2	240.3	389.0	439.6
110°	3.2	5.3	204.5	350.0	399.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	3.2	170.8	308.9	358.4
115°	2.1	3.2	132.8	267.8	314.1
117.5°	2.1	2.1	90.7	227.7	275.1
120°	2.1	2.1	47.4	187.6	230.9
122.5°	2.1	1.1	9.5	143.4	190.8
125°	2.1	1.1	0.0	95.9	142.3
127.5°	2.1	1.1	0.0	49.5	97.0
130°	1.1	1.1	0.0	7.4	46.4
132.5°	1.1	1.1	0.0	0.0	2.1
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

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