

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: P#

Luminaire Tested: **6RSRK-65-HE-L850**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-65-HE-L850
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

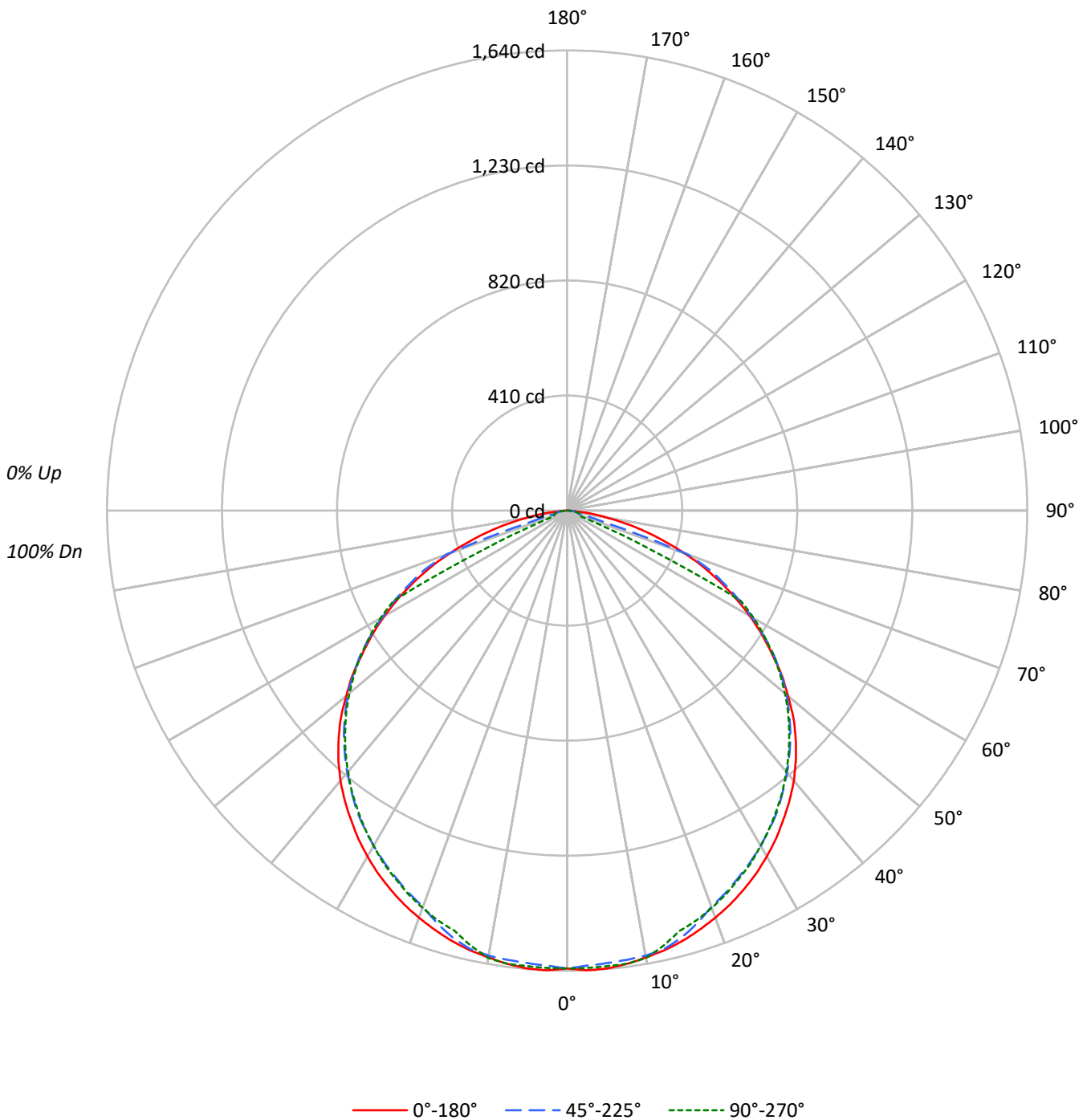
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4491.8 lumens
Efficiency: N/A
Efficacy: 237.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2927	2927	2927
5°	2950	2916	2934
10°	2946	2934	2949
15°	2949	2926	2879
20°	2948	2868	2876
25°	2949	2858	2867
30°	2948	2858	2858
35°	2943	2862	2852
40°	2943	2855	2845
45°	2923	2855	2839
50°	2867	2850	2826
55°	2790	2816	2802
60°	2699	2729	2759
65°	2556	2627	1389
70°	2339	2394	262
75°	2008	289	317
80°	1507	366	366
85°	772	385	344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	3.5
10°-20°	444.1	9.9
20°-30°	675.1	15.0
30°-40°	822.3	18.3
40°-50°	870.1	19.4
50°-60°	798.1	17.8
60°-70°	538.3	12.0
70°-80°	162.7	3.6
80°-90°	26.0	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	1274.1	28.4
0°-40°	2096.4	46.7
0°-60°	3764.7	83.8
0°-90°	4491.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4491.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1632	1632	1632	1632	1632	
5°	1638	1625	1619	1634	1630	156
15°	1588	1580	1575	1563	1550	448
25°	1490	1488	1444	1459	1448	687
35°	1344	1315	1307	1311	1302	842
45°	1152	1125	1125	1127	1119	887
55°	892	879	900	900	896	798
65°	602	594	619	627	327	595
75°	290	292	42	46	46	307
85°	38	19	19	17	17	57
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1631.6	1631.6	1631.6	1631.6	1631.6
2.5°	1640.0	1627.4	1623.3	1633.7	1631.6
5°	1637.9	1625.3	1619.1	1633.7	1629.5
7.5°	1629.5	1617.0	1615.0	1631.6	1629.5
10°	1617.0	1608.7	1610.7	1625.3	1619.1
12.5°	1604.5	1596.2	1600.3	1596.2	1587.8
15°	1587.8	1579.5	1575.3	1562.8	1550.3
17.5°	1567.0	1562.8	1542.0	1537.8	1531.6
20°	1544.1	1544.1	1502.4	1514.9	1506.6
22.5°	1519.1	1519.1	1475.3	1487.8	1479.5
25°	1489.9	1487.8	1444.0	1458.6	1448.3
27.5°	1458.6	1448.3	1412.8	1425.3	1417.0
30°	1423.2	1404.5	1379.5	1387.8	1379.5
32.5°	1385.7	1358.6	1344.0	1350.3	1342.0
35°	1344.0	1314.9	1306.6	1310.7	1302.3
37.5°	1302.3	1271.1	1262.8	1269.0	1260.7
40°	1256.5	1227.3	1219.0	1223.2	1214.9
42.5°	1206.5	1181.5	1173.2	1175.3	1169.0
45°	1152.3	1125.2	1125.2	1127.3	1119.0
47.5°	1094.0	1071.1	1073.2	1075.2	1069.0
50°	1027.3	1010.6	1021.1	1023.2	1012.7
52.5°	964.8	948.1	960.6	964.8	956.5
55°	891.9	879.4	900.2	900.2	896.0
57.5°	823.1	810.6	831.5	839.8	833.5
60°	752.2	739.8	760.6	775.2	768.9
62.5°	677.2	666.8	691.8	710.5	698.1
65°	602.2	593.9	618.9	627.2	327.1
67.5°	525.1	518.8	548.1	198.0	52.1
70°	445.9	439.7	456.4	50.0	50.0
72.5°	364.7	366.7	145.9	48.0	48.0
75°	289.7	291.7	41.7	45.8	45.8
77.5°	214.7	218.8	39.6	41.7	41.7
80°	145.9	106.3	35.4	35.4	35.4
82.5°	87.5	25.0	27.1	27.1	25.0
85°	37.5	18.7	18.7	16.7	16.7
87.5°	12.5	8.3	8.3	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)