

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-L835**

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-L835
Description: 6ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

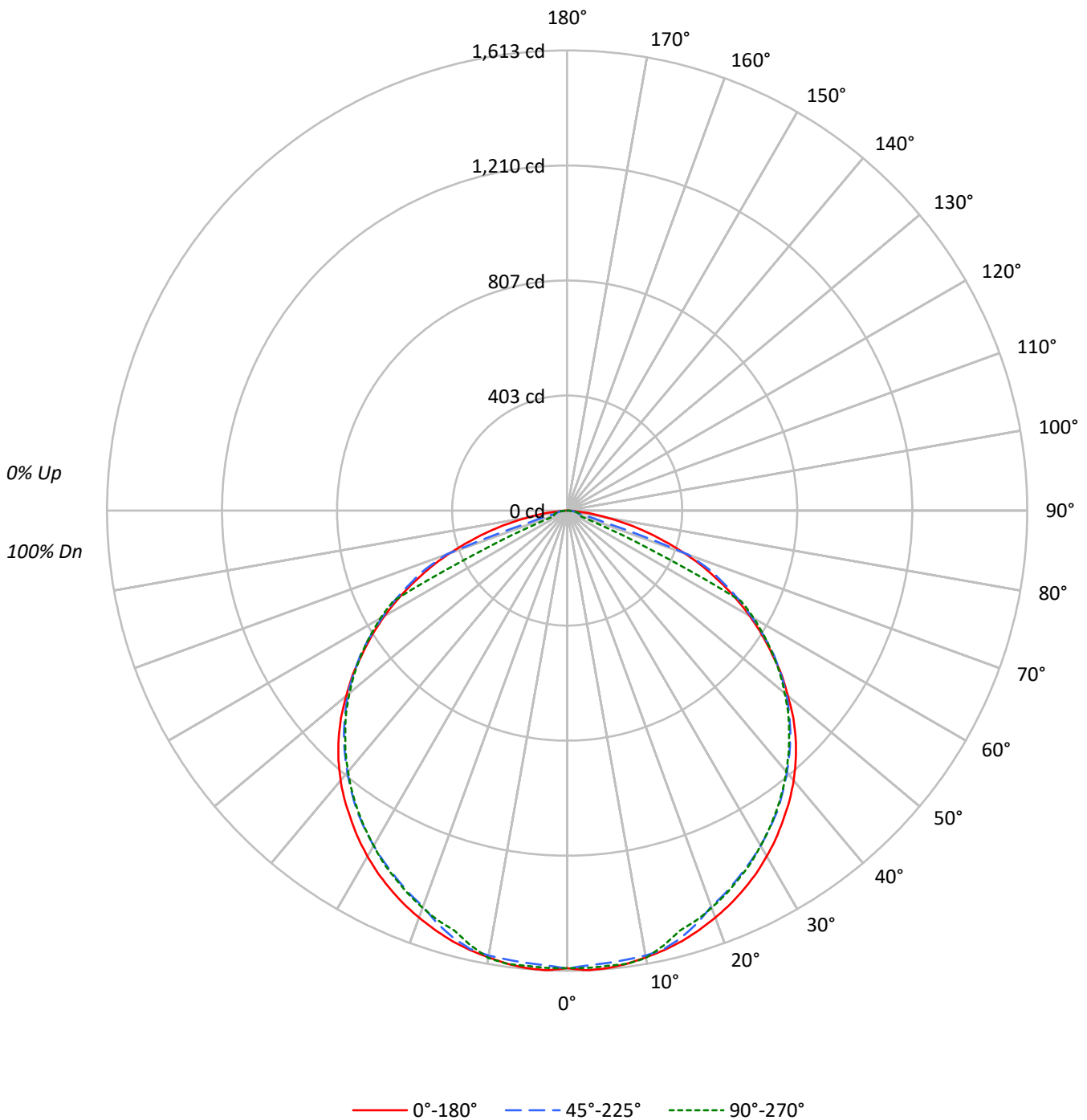
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4416.9 lumens
Efficiency: N/A
Efficacy: 233.7 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°	2878	2878	2878
5°	2900	2867	2885
10°	2897	2885	2900
15°	2900	2877	2831
20°	2899	2820	2828
25°	2900	2811	2819
30°	2899	2810	2810
35°	2894	2814	2805
40°	2894	2807	2798
45°	2875	2807	2792
50°	2819	2802	2779
55°	2743	2769	2756
60°	2654	2683	2713
65°	2513	2583	1366
70°	2300	2354	258
75°	1974	284	313
80°	1481	360	360
85°	760	379	338



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	3.5
10°-20°	436.7	9.9
20°-30°	663.8	15.0
30°-40°	808.6	18.3
40°-50°	855.6	19.4
50°-60°	784.8	17.8
60°-70°	529.4	12.0
70°-80°	160.0	3.6
80°-90°	25.6	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°	1252.9	28.4
0°-40°	2061.5	46.7
0°-60°	3701.9	83.8
0°-90°	4416.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4416.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1604	1604	1604	1604	1604	
5°	1610	1598	1592	1606	1602	153
15°	1561	1553	1549	1537	1524	441
25°	1465	1463	1420	1434	1424	676
35°	1322	1293	1285	1289	1281	828
45°	1133	1106	1106	1108	1100	872
55°	877	865	885	885	881	785
65°	592	584	608	617	322	585
75°	285	287	41	45	45	302
85°	37	18	18	16	16	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1604.4	1604.4	1604.4	1604.4	1604.4
2.5°	1612.6	1600.3	1596.2	1606.4	1604.4
5°	1610.5	1598.2	1592.1	1606.4	1602.3
7.5°	1602.3	1590.1	1588.0	1604.4	1602.3
10°	1590.1	1581.9	1583.9	1598.2	1592.1
12.5°	1577.8	1569.6	1573.7	1569.6	1561.4
15°	1561.4	1553.2	1549.1	1536.8	1524.5
17.5°	1540.9	1536.8	1516.3	1512.2	1506.1
20°	1518.3	1518.3	1477.3	1489.7	1481.5
22.5°	1493.7	1493.7	1450.7	1463.0	1454.8
25°	1465.1	1463.0	1420.0	1434.3	1424.1
27.5°	1434.3	1424.1	1389.2	1401.5	1393.3
30°	1399.5	1381.0	1356.5	1364.7	1356.5
32.5°	1362.6	1336.0	1321.6	1327.8	1319.6
35°	1321.6	1293.0	1284.8	1288.8	1280.6
37.5°	1280.6	1249.9	1241.7	1247.8	1239.6
40°	1235.6	1206.9	1198.7	1202.8	1194.6
42.5°	1186.4	1161.8	1153.6	1155.7	1149.5
45°	1133.1	1106.5	1106.5	1108.5	1100.3
47.5°	1075.7	1053.2	1055.3	1057.3	1051.1
50°	1010.2	993.8	1004.0	1006.1	995.8
52.5°	948.7	932.3	944.6	948.7	940.5
55°	877.0	864.7	885.2	885.2	881.1
57.5°	809.4	797.1	817.6	825.8	819.6
60°	739.7	727.4	747.9	762.2	756.1
62.5°	665.9	655.7	680.3	698.7	686.5
65°	592.1	584.0	608.5	616.7	321.7
67.5°	516.4	510.2	538.9	194.7	51.2
70°	438.5	432.4	448.8	49.2	49.2
72.5°	358.6	360.6	143.4	47.2	47.2
75°	284.8	286.9	41.0	45.1	45.1
77.5°	211.1	215.1	39.0	41.0	41.0
80°	143.4	104.5	34.8	34.8	34.8
82.5°	86.1	24.6	26.6	26.6	24.6
85°	36.9	18.4	18.4	16.4	16.4
87.5°	12.3	8.2	8.2	6.2	6.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)