

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: **8RSRK-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: 8RSRK-65-HE-L835  
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS  
Light Source: -  
Ballast/Driver: -

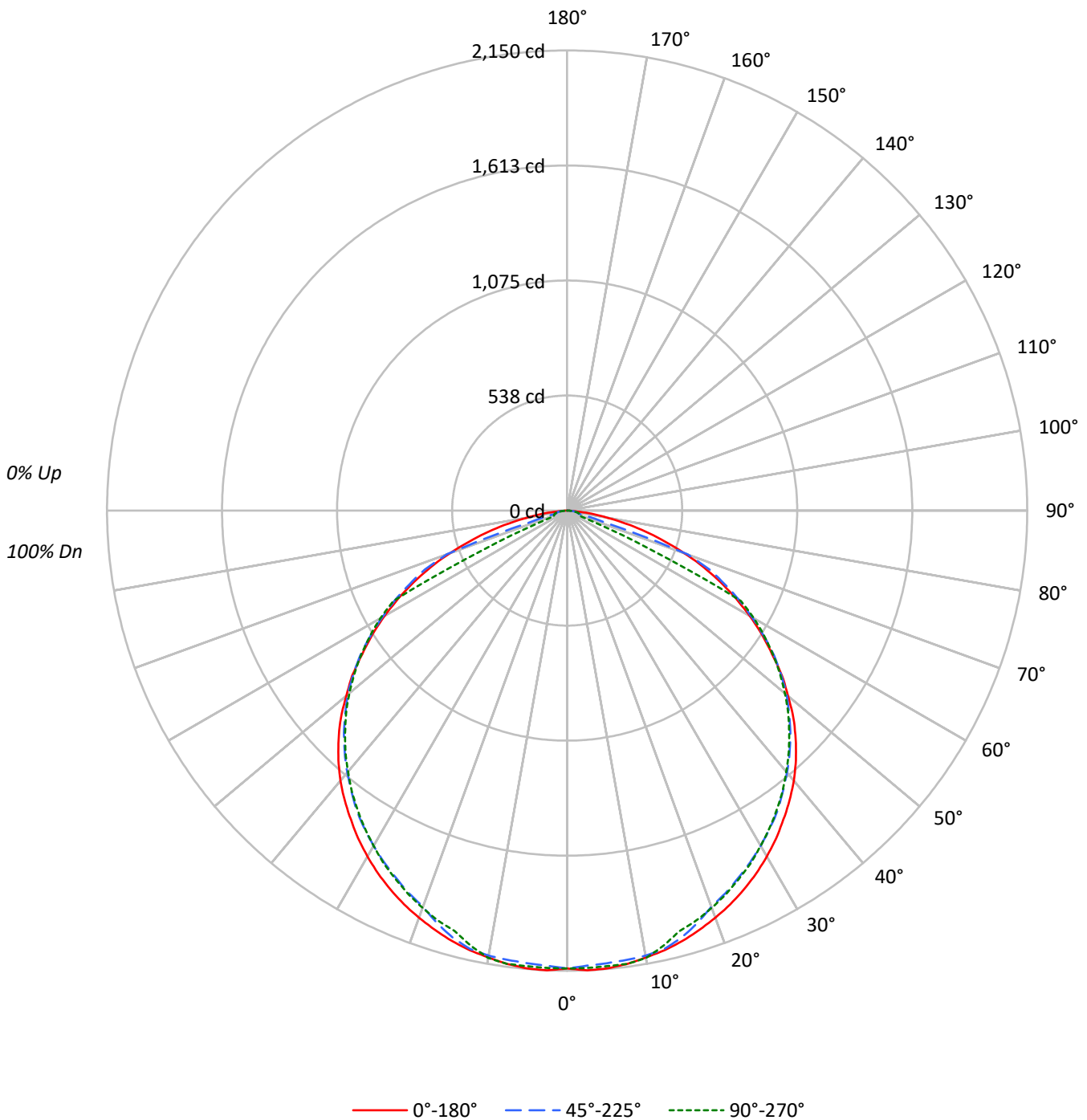
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5889.1 lumens  
Efficiency: N/A  
Efficacy: 311.6 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4  
Luminous Opening: Rectangular (W 1' x L: 8' 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	2886
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°	2514	2583	1365
70°	2300	2354	258
75°	1974	284	312
80°	1481	360	360
85°	760	380	338



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.2	3.5
10°-20°	582.2	9.9
20°-30°	885.1	15.0
30°-40°	1078.1	18.3
40°-50°	1140.8	19.4
50°-60°	1046.4	17.8
60°-70°	705.8	12.0
70°-80°	213.3	3.6
80°-90°	34.1	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°	1670.5	28.4
0°-40°	2748.6	46.7
0°-60°	4935.8	83.8
0°-90°	5889.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5889.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2139	2139	2139	2139	2139	
5°	2147	2131	2123	2142	2136	204
15°	2082	2071	2065	2049	2033	588
25°	1953	1951	1893	1912	1899	901
35°	1762	1724	1713	1718	1708	1103
45°	1511	1475	1475	1478	1467	1163
55°	1169	1153	1180	1180	1175	1047
65°	790	779	811	822	429	779
75°	380	382	55	60	60	402
85°	49	25	25	22	22	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2139.2	2139.2	2139.2	2139.2	2139.2
2.5°	2150.2	2133.7	2128.3	2141.9	2139.2
5°	2147.4	2131.0	2122.8	2141.9	2136.5
7.5°	2136.5	2120.1	2117.4	2139.2	2136.5
10°	2120.1	2109.1	2111.8	2131.0	2122.8
12.5°	2103.7	2092.7	2098.2	2092.7	2081.8
15°	2081.8	2070.9	2065.4	2049.0	2032.6
17.5°	2054.5	2049.0	2021.7	2016.3	2008.1
20°	2024.4	2024.4	1969.8	1986.2	1975.3
22.5°	1991.6	1991.6	1934.3	1950.7	1939.8
25°	1953.4	1950.7	1893.3	1912.4	1898.8
27.5°	1912.4	1898.8	1852.3	1868.7	1857.8
30°	1866.0	1841.4	1808.6	1819.5	1808.6
32.5°	1816.8	1781.3	1762.1	1770.4	1759.4
35°	1762.1	1724.0	1713.0	1718.4	1707.5
37.5°	1707.5	1666.5	1655.6	1663.8	1652.9
40°	1647.5	1609.1	1598.2	1603.7	1592.8
42.5°	1581.9	1549.1	1538.2	1540.9	1532.6
45°	1510.8	1475.3	1475.3	1478.0	1467.1
47.5°	1434.3	1404.3	1407.0	1409.7	1401.5
50°	1346.9	1325.0	1338.7	1341.5	1327.8
52.5°	1265.0	1243.1	1259.4	1265.0	1254.0
55°	1169.3	1152.9	1180.2	1180.2	1174.8
57.5°	1079.2	1062.7	1090.1	1101.0	1092.8
60°	986.2	969.9	997.2	1016.3	1008.1
62.5°	887.9	874.3	907.0	931.6	915.3
65°	789.5	778.6	811.4	822.3	428.9
67.5°	688.5	680.2	718.6	259.6	68.3
70°	584.7	576.5	598.4	65.6	65.6
72.5°	478.1	480.8	191.2	62.9	62.9
75°	379.8	382.5	54.6	60.1	60.1
77.5°	281.4	286.8	51.9	54.6	54.6
80°	191.2	139.4	46.4	46.4	46.4
82.5°	114.7	32.8	35.5	35.5	32.8
85°	49.2	24.6	24.6	21.9	21.9
87.5°	16.4	10.9	10.9	8.2	8.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)