

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-L840**

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-L840
Description: 8ft RSRK, 650 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

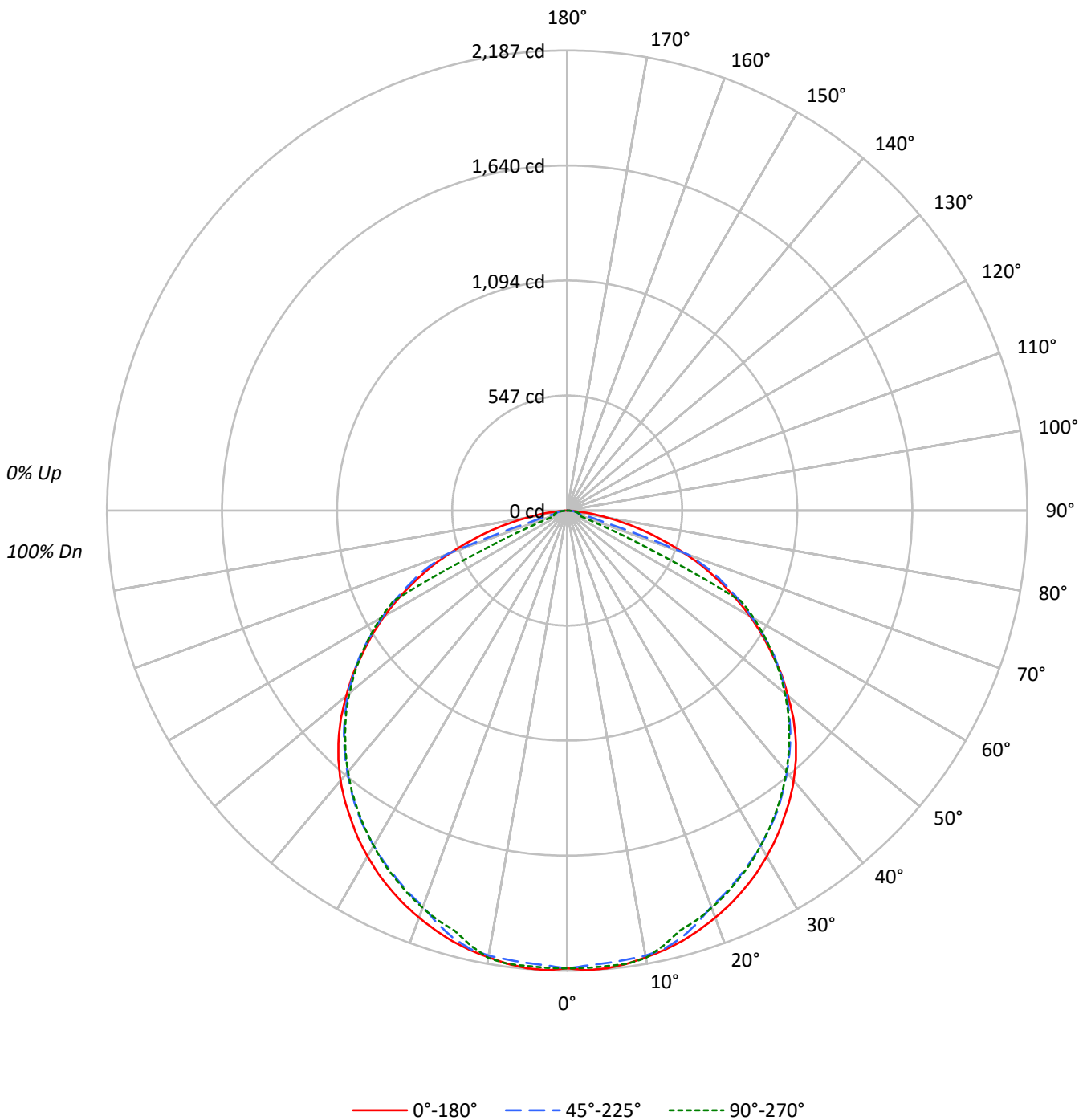
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5989.0 lumens
Efficiency: N/A
Efficacy: 316.9 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°	2927	2927	2927
5°	2950	2916	2935
10°	2946	2934	2949
15°	2949	2926	2879
20°	2948	2868	2876
25°	2949	2858	2867
30°	2948	2858	2858
35°	2943	2861	2852
40°	2943	2855	2845
45°	2923	2855	2839
50°	2867	2850	2826
55°	2789	2816	2803
60°	2699	2729	2759
65°	2556	2627	1389
70°	2339	2394	262
75°	2008	289	318
80°	1507	366	366
85°	772	386	343



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	3.5
10°-20°	592.1	9.9
20°-30°	900.1	15.0
30°-40°	1096.4	18.3
40°-50°	1160.2	19.4
50°-60°	1064.2	17.8
60°-70°	717.8	12.0
70°-80°	216.9	3.6
80°-90°	34.7	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°	1698.8	28.4
0°-40°	2795.2	46.7
0°-60°	5019.6	83.8
0°-90°	5989.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5989.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2176	2176	2176	2176	2176	
5°	2184	2167	2159	2178	2173	207
15°	2117	2106	2100	2084	2067	598
25°	1987	1984	1925	1945	1931	916
35°	1792	1753	1742	1748	1736	1122
45°	1536	1500	1500	1503	1492	1183
55°	1189	1172	1200	1200	1195	1064
65°	803	792	825	836	436	793
75°	386	389	56	61	61	409
85°	50	25	25	22	22	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2175.5	2175.5	2175.5	2175.5	2175.5
2.5°	2186.6	2169.9	2164.4	2178.2	2175.5
5°	2183.8	2167.1	2158.8	2178.2	2172.7
7.5°	2172.7	2156.0	2153.3	2175.5	2172.7
10°	2156.0	2144.9	2147.7	2167.1	2158.8
12.5°	2139.3	2128.2	2133.8	2128.2	2117.1
15°	2117.1	2106.0	2100.5	2083.8	2067.1
17.5°	2089.3	2083.8	2056.0	2050.4	2042.1
20°	2058.7	2058.7	2003.2	2019.9	2008.8
22.5°	2025.4	2025.4	1967.1	1983.8	1972.6
25°	1986.6	1983.8	1925.4	1944.9	1931.0
27.5°	1944.9	1931.0	1883.7	1900.4	1889.3
30°	1897.7	1872.6	1839.3	1850.4	1839.3
32.5°	1847.6	1811.5	1792.0	1800.4	1789.3
35°	1792.0	1753.2	1742.1	1747.6	1736.5
37.5°	1736.5	1694.8	1683.7	1692.0	1680.9
40°	1675.4	1636.4	1625.3	1630.9	1619.8
42.5°	1608.7	1575.4	1564.3	1567.0	1558.6
45°	1536.4	1500.3	1500.3	1503.1	1492.0
47.5°	1458.6	1428.1	1430.9	1433.6	1425.3
50°	1369.7	1347.5	1361.4	1364.2	1350.3
52.5°	1286.4	1264.2	1280.8	1286.4	1275.3
55°	1189.1	1172.5	1200.3	1200.3	1194.7
57.5°	1097.5	1080.8	1108.6	1119.7	1111.4
60°	1003.0	986.4	1014.1	1033.6	1025.2
62.5°	902.9	889.1	922.4	947.4	930.8
65°	802.9	791.8	825.1	836.3	436.2
67.5°	700.2	691.8	730.7	264.0	69.4
70°	594.6	586.3	608.5	66.7	66.7
72.5°	486.2	489.0	194.5	63.9	63.9
75°	386.2	389.0	55.6	61.1	61.1
77.5°	286.2	291.7	52.8	55.6	55.6
80°	194.5	141.7	47.2	47.2	47.2
82.5°	116.7	33.3	36.1	36.1	33.3
85°	50.0	25.0	25.0	22.2	22.2
87.5°	16.7	11.1	11.1	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)