

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: P289563

Luminaire Tested: **8RSRK-RM-65-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-RM-65-HE-L950
Description: 8ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

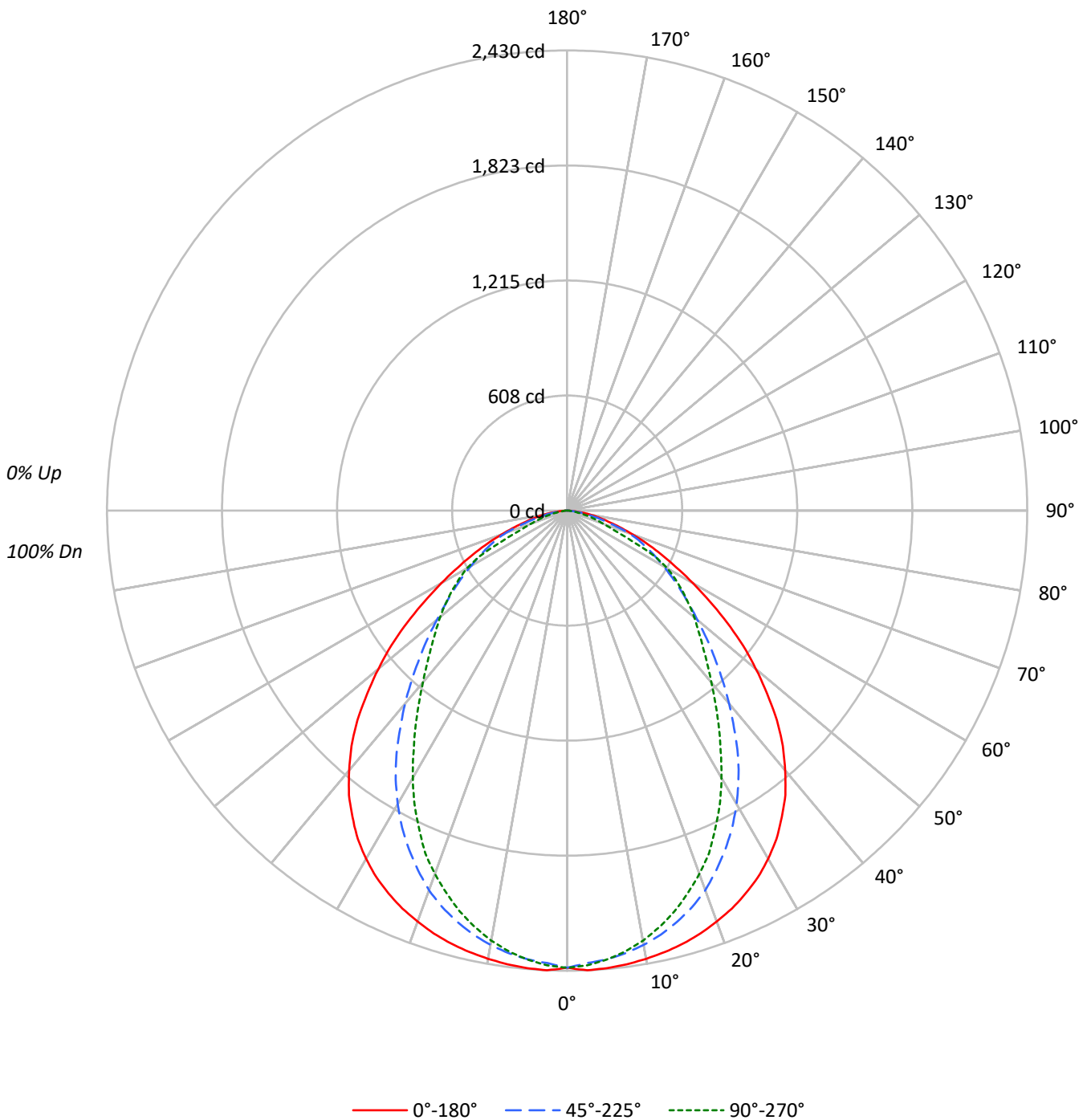
Lumens per Lamp: N/A
Luminaire Lumens: 5124.5 lumens
Efficiency: N/A
Efficacy: 271.1 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	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					100			
1	110	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89					87				
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77					75				
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66					64				
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58					56				
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51					49				
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46					44				
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41					39				
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37					35				
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34					32				
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31					29				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3248	3248	3248
5°	3275	3214	3216
10°	3284	3182	3150
15°	3298	3130	3052
20°	3306	3055	2923
25°	3313	2932	2749
30°	3299	2781	2533
35°	3247	2584	2293
40°	3145	2338	2080
45°	2981	2097	1925
50°	2724	1879	1834
55°	2418	1717	1745
60°	2062	1582	1647
65°	1741	1481	1175
70°	1440	1349	797
75°	1166	991	624
80°	968	707	385
85°	667	296	259



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	4.4
10°-20°	638.3	12.5
20°-30°	924.4	18.0
30°-40°	1014.6	19.8
40°-50°	916.7	17.9
50°-60°	714.8	13.9
60°-70°	452.5	8.8
70°-80°	198.1	3.9
80°-90°	38.0	0.7
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°	1789.8	34.9
0°-40°	2804.4	54.7
0°-60°	4435.9	86.6
0°-90°	5124.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5124.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2414	2414	2414	2414	2414	
5°	2425	2409	2379	2392	2381	231
15°	2367	2323	2247	2220	2191	669
25°	2231	2134	1975	1900	1852	1028
35°	1977	1800	1573	1447	1396	1234
45°	1566	1318	1102	1036	1012	1201
55°	1031	826	732	742	744	921
65°	547	455	465	445	369	548
75°	224	231	191	137	120	245
85°	43	41	19	18	17	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2413.9	2413.9	2413.9	2413.9	2413.9
2.5°	2429.9	2416.3	2392.2	2410.7	2404.3
5°	2425.1	2409.1	2379.4	2392.2	2381.0
7.5°	2416.3	2397.1	2357.8	2361.8	2348.2
10°	2403.5	2377.8	2329.0	2324.2	2305.8
12.5°	2387.4	2353.0	2292.9	2276.1	2252.1
15°	2367.4	2323.4	2247.3	2220.1	2191.2
17.5°	2341.8	2285.7	2195.2	2151.2	2118.3
20°	2309.0	2241.7	2133.6	2075.9	2041.5
22.5°	2274.5	2191.2	2056.7	1996.6	1958.2
25°	2231.3	2133.6	1975.0	1900.5	1851.6
27.5°	2182.4	2067.1	1886.9	1794.8	1745.9
30°	2123.1	1989.4	1790.0	1679.5	1630.6
32.5°	2057.5	1901.3	1684.3	1566.5	1509.7
35°	1976.6	1799.6	1572.9	1447.2	1395.9
37.5°	1893.3	1689.9	1448.0	1331.1	1287.0
40°	1790.8	1573.7	1331.1	1223.8	1184.5
42.5°	1685.9	1444.8	1214.1	1125.2	1093.2
45°	1566.5	1318.3	1102.0	1036.3	1011.5
47.5°	1432.8	1192.5	998.7	957.9	940.2
50°	1301.4	1066.8	897.8	881.8	876.2
52.5°	1170.9	943.4	810.5	812.1	808.9
55°	1030.7	826.5	732.0	742.4	744.0
57.5°	891.4	715.2	658.3	677.5	679.2
60°	766.4	619.9	587.9	611.1	611.9
62.5°	651.1	531.0	523.8	546.2	519.8
65°	547.0	454.9	465.3	445.3	369.2
67.5°	454.1	391.6	408.5	311.5	261.9
70°	366.0	330.0	342.8	232.3	202.6
72.5°	289.1	278.7	259.5	181.0	157.8
75°	224.2	230.7	190.6	137.0	120.1
77.5°	171.4	187.4	138.6	98.5	82.5
80°	124.9	140.2	91.3	59.3	49.7
82.5°	82.5	88.1	48.1	30.4	26.4
85°	43.2	40.8	19.2	17.6	16.8
87.5°	18.4	10.4	9.6	8.0	8.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)