

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: P289532

Luminaire Tested: **6RSRK-RM-100-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289532
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: 6RSRK-RM-100-HE-L950
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

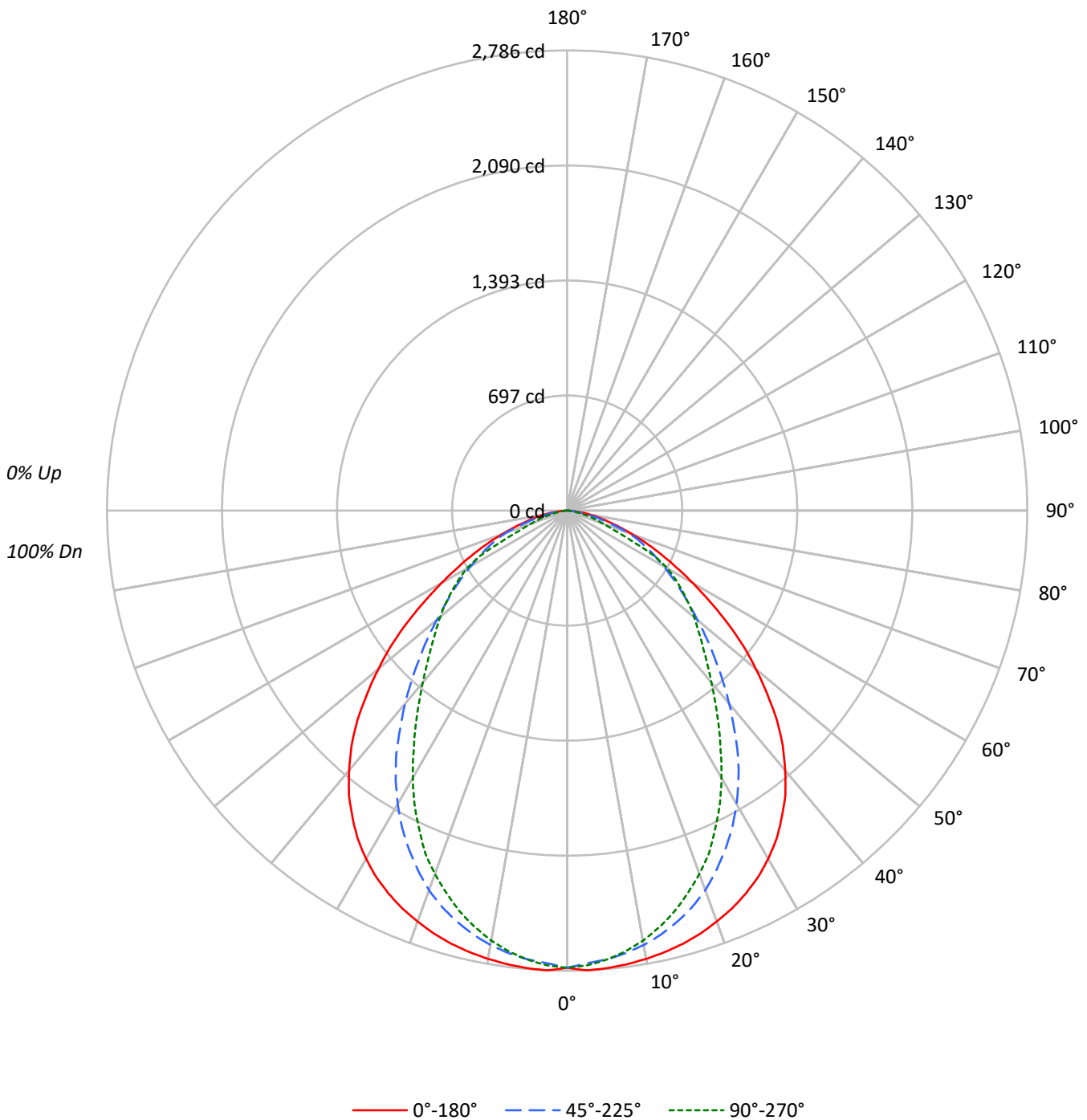
Lumens per Lamp: N/A
Luminaire Lumens: 5875.5 lumens
Efficiency: N/A
Efficacy: 204.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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°	4965	4965	4965
5°	5007	4913	4916
10°	5020	4864	4816
15°	5041	4786	4666
20°	5054	4670	4469
25°	5064	4482	4202
30°	5043	4251	3873
35°	4963	3950	3505
40°	4808	3574	3181
45°	4557	3206	2943
50°	4165	2873	2804
55°	3696	2625	2668
60°	3153	2418	2517
65°	2662	2265	1797
70°	2201	2061	1218
75°	1782	1515	954
80°	1479	1082	588
85°	1021	453	397



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.4	4.4
10°-20°	731.8	12.5
20°-30°	1059.9	18.0
30°-40°	1163.3	19.8
40°-50°	1051.1	17.9
50°-60°	819.5	13.9
60°-70°	518.8	8.8
70°-80°	227.2	3.9
80°-90°	43.6	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°	2052.1	34.9
0°-40°	3215.4	54.7
0°-60°	5086.0	86.6
0°-90°	5875.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5875.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2768	2768	2768	2768	2768	
5°	2780	2762	2728	2743	2730	265
15°	2714	2664	2577	2545	2512	767
25°	2558	2446	2264	2179	2123	1179
35°	2266	2063	1804	1659	1600	1415
45°	1796	1512	1264	1188	1160	1377
55°	1182	948	839	851	853	1056
65°	627	522	534	511	423	628
75°	257	264	218	157	138	281
85°	50	47	22	20	19	64
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2767.7	2767.7	2767.7	2767.7	2767.7
2.5°	2786.0	2770.4	2742.9	2764.0	2756.6
5°	2780.5	2762.1	2728.2	2742.9	2730.0
7.5°	2770.4	2748.4	2703.4	2708.0	2692.4
10°	2755.7	2726.3	2670.3	2664.8	2643.7
12.5°	2737.4	2697.9	2629.0	2609.7	2582.2
15°	2714.4	2663.9	2576.7	2545.4	2512.4
17.5°	2685.0	2620.7	2517.0	2466.5	2428.8
20°	2647.4	2570.2	2446.3	2380.1	2340.7
22.5°	2607.9	2512.4	2358.1	2289.2	2245.2
25°	2558.3	2446.3	2264.4	2179.0	2123.0
27.5°	2502.3	2370.0	2163.4	2057.8	2001.8
30°	2434.3	2281.0	2052.3	1925.6	1869.6
32.5°	2359.0	2180.0	1931.1	1796.1	1730.9
35°	2266.3	2063.3	1803.5	1659.3	1600.5
37.5°	2170.8	1937.5	1660.2	1526.2	1475.7
40°	2053.2	1804.4	1526.2	1403.1	1358.1
42.5°	1933.0	1656.6	1392.1	1290.2	1253.4
45°	1796.1	1511.5	1263.5	1188.2	1159.8
47.5°	1642.8	1367.3	1145.1	1098.2	1078.0
50°	1492.2	1223.1	1029.4	1011.0	1004.6
52.5°	1342.5	1081.7	929.3	931.1	927.5
55°	1181.8	947.7	839.3	851.2	853.1
57.5°	1022.0	820.0	754.8	776.9	778.7
60°	878.8	710.7	674.0	700.6	701.6
62.5°	746.6	608.8	600.5	626.3	596.0
65°	627.2	521.6	533.5	510.6	423.3
67.5°	520.7	449.0	468.3	357.2	300.3
70°	419.6	378.3	393.0	266.3	232.3
72.5°	331.5	319.6	297.5	207.5	180.9
75°	257.1	264.5	218.5	157.0	137.7
77.5°	196.5	214.9	158.9	112.9	94.6
80°	143.2	160.7	104.7	68.0	56.9
82.5°	94.6	101.0	55.1	34.9	30.3
85°	49.6	46.8	22.0	20.2	19.3
87.5°	21.1	11.9	11.0	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)