

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: P289530

Luminaire Tested: **6RSRK-RM-100-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289530
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-L935
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

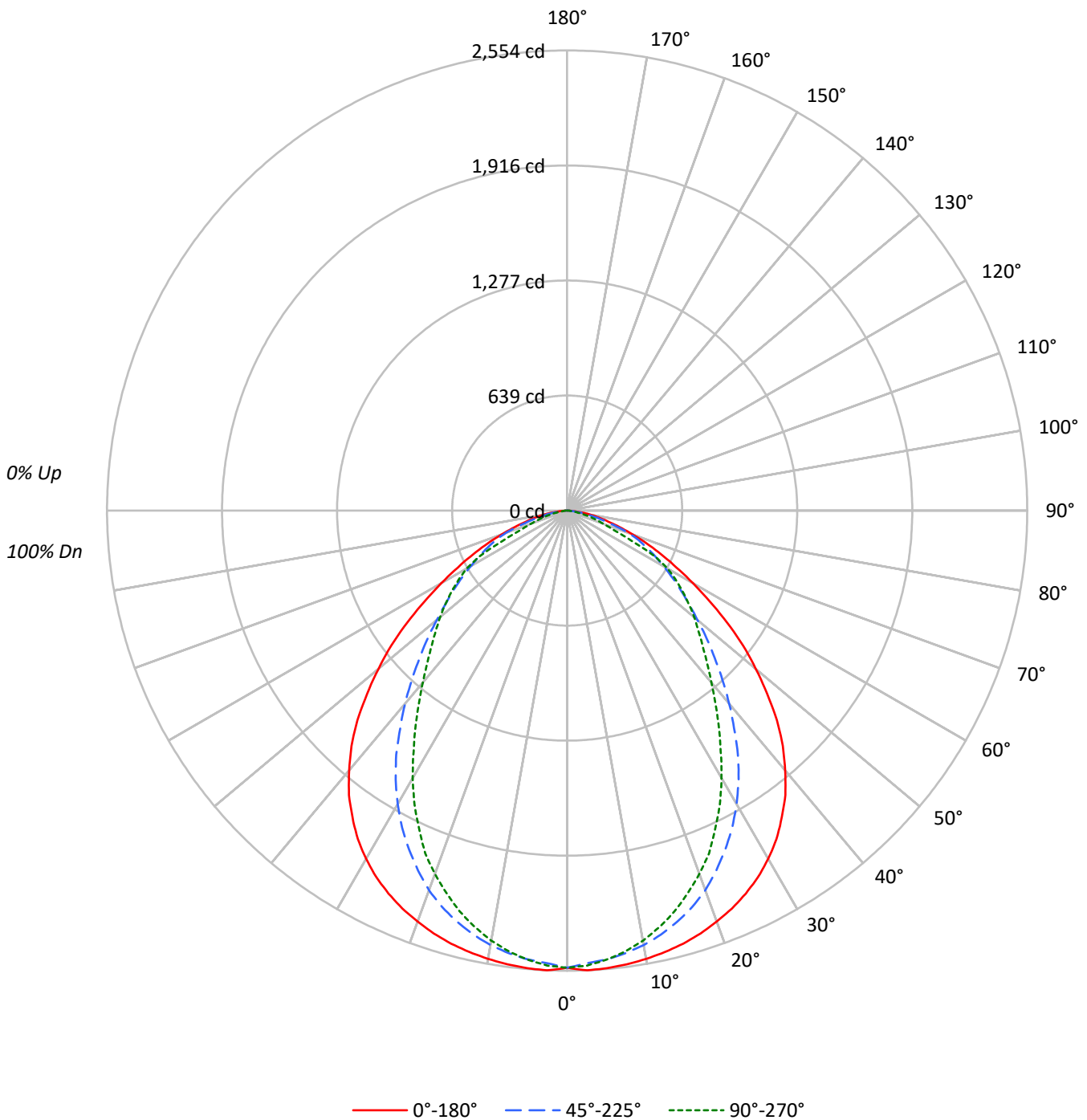
Lumens per Lamp: N/A
Luminaire Lumens: 5386.4 lumens
Efficiency: N/A
Efficacy: 187.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	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°	4552	4552	4552
5°	4590	4504	4507
10°	4602	4459	4415
15°	4622	4387	4278
20°	4633	4281	4097
25°	4642	4109	3853
30°	4623	3898	3551
35°	4550	3621	3213
40°	4408	3277	2916
45°	4178	2939	2697
50°	3818	2634	2570
55°	3389	2406	2446
60°	2890	2217	2308
65°	2441	2076	1647
70°	2018	1890	1117
75°	1634	1389	875
80°	1356	992	539
85°	937	416	364



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.7	4.4
10°-20°	670.9	12.5
20°-30°	971.6	18.0
30°-40°	1066.5	19.8
40°-50°	963.6	17.9
50°-60°	751.3	13.9
60°-70°	475.6	8.8
70°-80°	208.3	3.9
80°-90°	39.9	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°	1881.3	34.9
0°-40°	2947.7	54.7
0°-60°	4662.6	86.6
0°-90°	5386.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5386.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2537	2537	2537	2537	2537	
5°	2549	2532	2501	2514	2503	243
15°	2488	2442	2362	2334	2303	703
25°	2345	2243	2076	1998	1946	1080
35°	2078	1892	1653	1521	1467	1297
45°	1647	1386	1158	1089	1063	1263
55°	1083	869	769	780	782	968
65°	575	478	489	468	388	576
75°	236	242	200	144	126	258
85°	46	43	20	18	18	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2537.3	2537.3	2537.3	2537.3	2537.3
2.5°	2554.1	2539.8	2514.5	2533.9	2527.2
5°	2549.0	2532.2	2501.1	2514.5	2502.7
7.5°	2539.8	2519.6	2478.3	2482.5	2468.2
10°	2526.3	2499.4	2448.0	2443.0	2423.6
12.5°	2509.5	2473.3	2410.1	2392.5	2367.2
15°	2488.4	2442.1	2362.2	2333.5	2303.2
17.5°	2461.5	2402.6	2307.4	2261.1	2226.6
20°	2427.0	2356.3	2242.6	2182.0	2145.8
22.5°	2390.8	2303.2	2161.8	2098.7	2058.3
25°	2345.3	2242.6	2075.9	1997.6	1946.3
27.5°	2294.0	2172.7	1983.3	1886.5	1835.2
30°	2231.7	2091.1	1881.5	1765.3	1714.0
32.5°	2162.6	1998.5	1770.4	1646.6	1586.8
35°	2077.6	1891.6	1653.3	1521.2	1467.3
37.5°	1990.1	1776.2	1522.0	1399.1	1352.8
40°	1882.3	1654.2	1399.1	1286.3	1245.1
42.5°	1772.0	1518.6	1276.2	1182.8	1149.1
45°	1646.6	1385.6	1158.3	1089.3	1063.2
47.5°	1506.0	1253.5	1049.8	1006.8	988.3
50°	1368.0	1121.3	943.7	926.8	921.0
52.5°	1230.7	991.7	851.9	853.6	850.2
55°	1083.4	868.8	769.4	780.4	782.1
57.5°	936.9	751.7	692.0	712.2	713.9
60°	805.6	651.6	617.9	642.3	643.2
62.5°	684.4	558.1	550.6	574.1	546.3
65°	575.0	478.2	489.1	468.1	388.1
67.5°	477.3	411.7	429.3	327.5	275.3
70°	384.7	346.8	360.3	244.1	213.0
72.5°	303.9	293.0	272.8	190.3	165.8
75°	235.7	242.4	200.4	144.0	126.3
77.5°	180.2	197.0	145.6	103.5	86.7
80°	131.3	147.3	96.0	62.3	52.2
82.5°	86.7	92.6	50.5	32.0	27.8
85°	45.5	42.9	20.2	18.5	17.7
87.5°	19.4	10.9	10.1	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)