

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: P289531

Luminaire Tested: **6RSRK-RM-100-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289531
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-L940
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

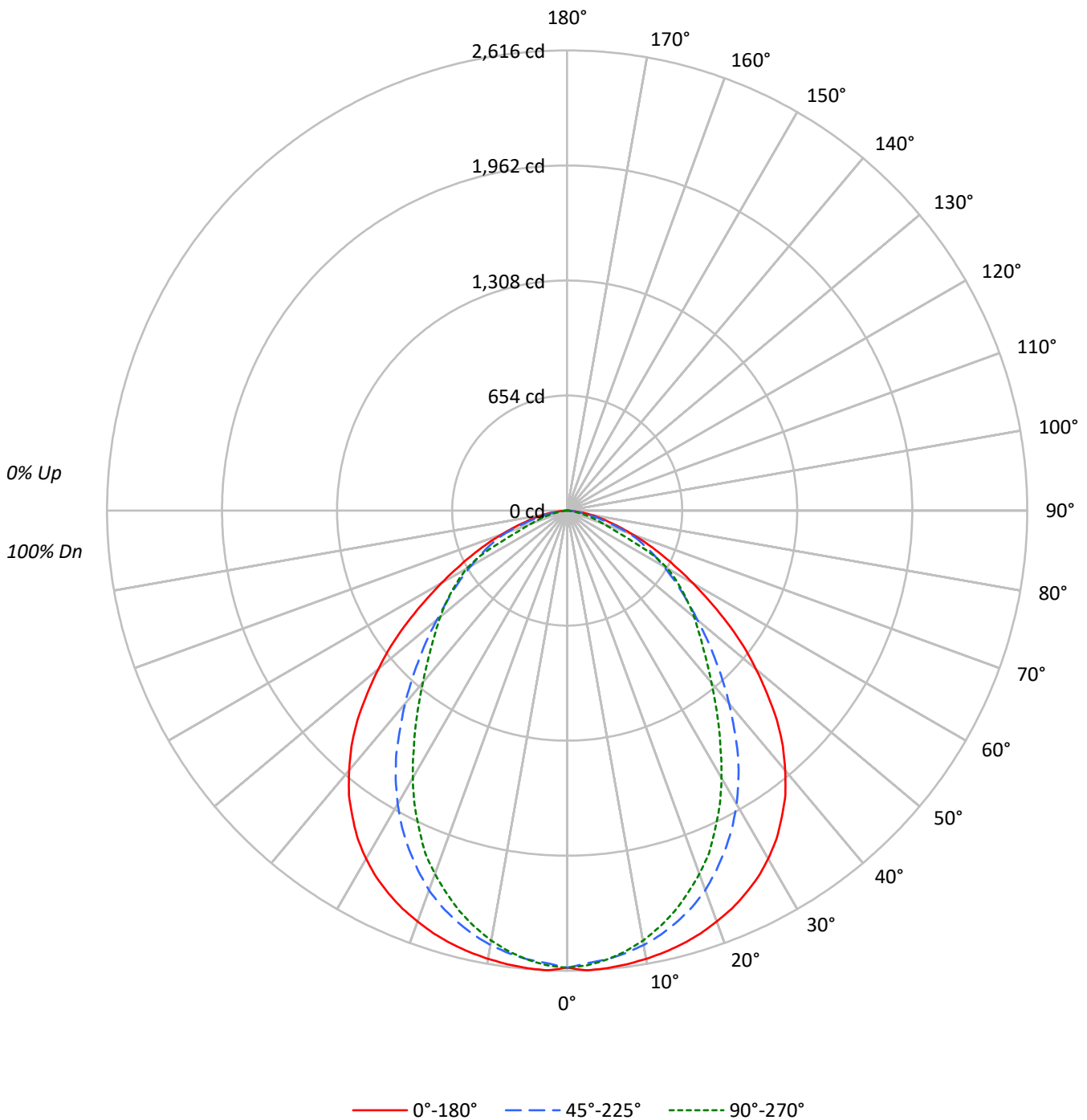
Lumens per Lamp: N/A
Luminaire Lumens: 5516.9 lumens
Efficiency: N/A
Efficacy: 191.6 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4662	4662	4662
5°	4702	4613	4616
10°	4714	4567	4522
15°	4734	4493	4381
20°	4746	4385	4196
25°	4755	4209	3946
30°	4735	3992	3637
35°	4660	3709	3291
40°	4515	3356	2986
45°	4279	3010	2763
50°	3910	2697	2633
55°	3471	2465	2505
60°	2960	2271	2363
65°	2500	2126	1687
70°	2067	1936	1144
75°	1673	1422	896
80°	1390	1016	553
85°	959	426	373



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	4.4
10°-20°	687.1	12.5
20°-30°	995.2	18.0
30°-40°	1092.3	19.8
40°-50°	986.9	17.9
50°-60°	769.5	13.9
60°-70°	487.1	8.8
70°-80°	213.3	3.9
80°-90°	40.9	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°	1926.8	34.9
0°-40°	3019.1	54.7
0°-60°	4775.5	86.6
0°-90°	5516.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5516.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2599	2599	2599	2599	2599	
5°	2611	2594	2562	2575	2563	248
15°	2549	2501	2419	2390	2359	720
25°	2402	2297	2126	2046	1993	1107
35°	2128	1937	1693	1558	1503	1329
45°	1686	1419	1186	1116	1089	1293
55°	1110	890	788	799	801	991
65°	589	490	501	479	398	590
75°	241	248	205	147	129	264
85°	47	44	21	19	18	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2598.7	2598.7	2598.7	2598.7	2598.7
2.5°	2616.0	2601.3	2575.4	2595.3	2588.4
5°	2610.8	2593.5	2561.6	2575.4	2563.4
7.5°	2601.3	2580.6	2538.4	2542.7	2528.0
10°	2587.5	2559.9	2507.3	2502.1	2482.3
12.5°	2570.3	2533.2	2468.5	2450.4	2424.5
15°	2548.7	2501.3	2419.4	2390.1	2359.0
17.5°	2521.1	2460.8	2363.3	2315.9	2280.6
20°	2485.8	2413.3	2296.9	2234.9	2197.8
22.5°	2448.7	2359.0	2214.2	2149.5	2108.1
25°	2402.1	2296.9	2126.2	2046.0	1993.4
27.5°	2349.5	2225.4	2031.4	1932.2	1879.6
30°	2285.7	2141.7	1927.0	1808.1	1755.5
32.5°	2215.0	2046.9	1813.2	1686.5	1625.3
35°	2127.9	1937.4	1693.4	1558.0	1502.8
37.5°	2038.3	1819.3	1558.9	1433.0	1385.6
40°	1927.9	1694.2	1433.0	1317.5	1275.2
42.5°	1815.0	1555.4	1307.1	1211.4	1176.9
45°	1686.5	1419.2	1186.4	1115.7	1089.0
47.5°	1542.5	1283.8	1075.2	1031.2	1012.2
50°	1401.1	1148.5	966.5	949.3	943.3
52.5°	1260.6	1015.7	872.6	874.3	870.8
55°	1109.7	889.8	788.1	799.3	801.0
57.5°	959.6	770.0	708.7	729.4	731.2
60°	825.1	667.4	632.9	657.9	658.7
62.5°	701.0	571.6	563.9	588.0	559.6
65°	588.9	489.7	500.9	479.4	397.5
67.5°	488.9	421.6	439.7	335.4	281.9
70°	394.0	355.2	369.0	250.0	218.1
72.5°	311.3	300.1	279.4	194.9	169.9
75°	241.4	248.3	205.2	147.4	129.3
77.5°	184.5	201.8	149.2	106.1	88.8
80°	134.5	150.9	98.3	63.8	53.5
82.5°	88.8	94.8	51.7	32.8	28.5
85°	46.6	44.0	20.7	19.0	18.1
87.5°	19.8	11.2	10.3	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)