

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: P289529

Luminaire Tested: **6RSRK-RM-100-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289529
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-L930
Description: 6ft RSRK, 1000 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

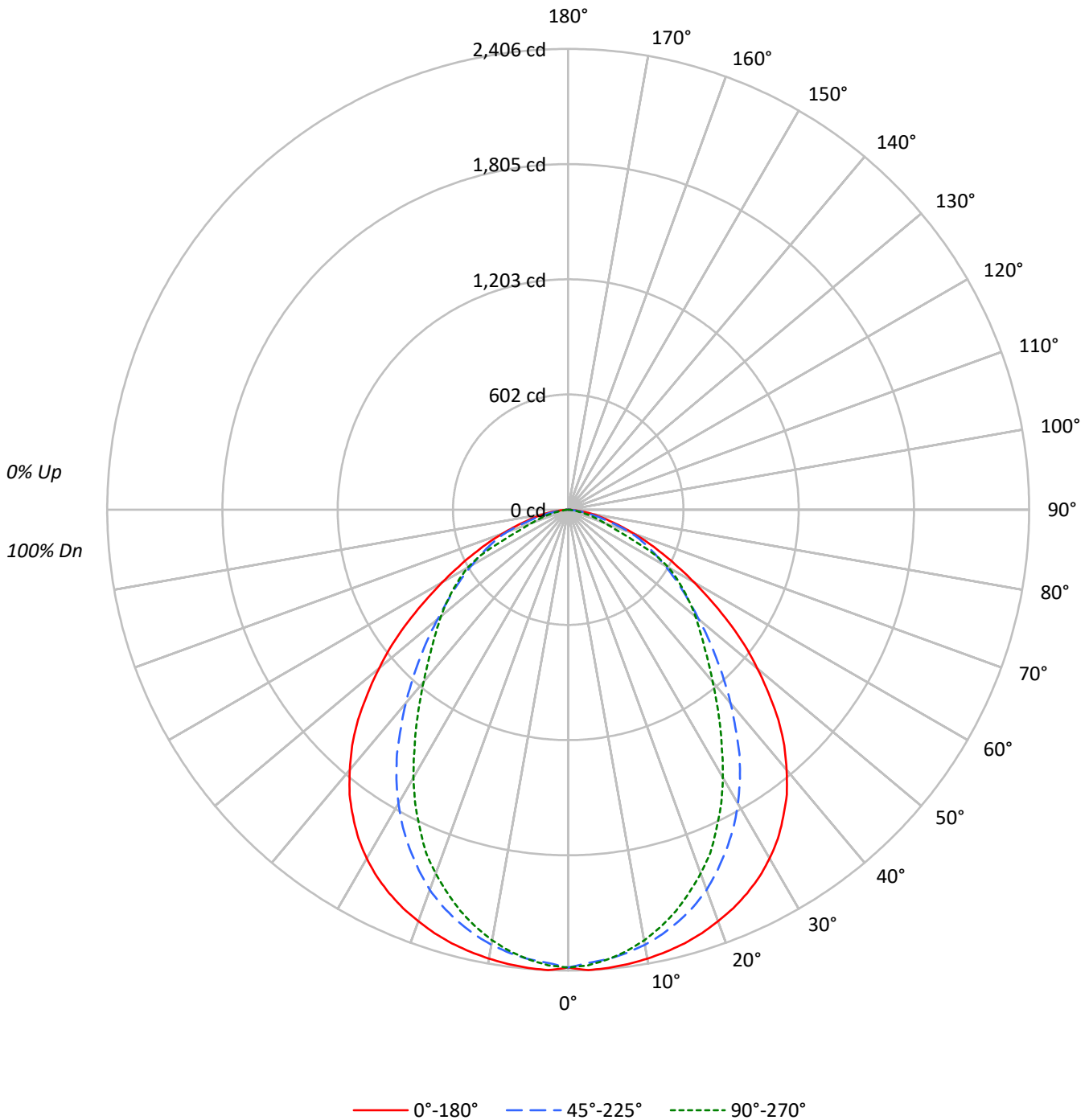
Lumens per Lamp: N/A
Luminaire Lumens: 5074.4 lumens
Efficiency: N/A
Efficacy: 176.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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°	4288	4288	4288
5°	4325	4243	4246
10°	4336	4201	4159
15°	4354	4133	4030
20°	4365	4033	3859
25°	4374	3871	3630
30°	4355	3672	3345
35°	4287	3411	3027
40°	4153	3087	2747
45°	3936	2769	2541
50°	3597	2481	2421
55°	3192	2267	2305
60°	2723	2089	2174
65°	2299	1956	1552
70°	1901	1780	1052
75°	1539	1308	825
80°	1278	934	508
85°	881	391	344



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.9	4.4
10°-20°	632.0	12.5
20°-30°	915.4	18.0
30°-40°	1004.7	19.8
40°-50°	907.8	17.9
50°-60°	707.8	13.9
60°-70°	448.1	8.8
70°-80°	196.2	3.9
80°-90°	37.6	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°	1772.3	34.9
0°-40°	2777.0	54.7
0°-60°	4392.6	86.6
0°-90°	5074.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5074.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2390	2390	2390	2390	2390	
5°	2401	2386	2356	2369	2358	228
15°	2344	2301	2225	2198	2170	662
25°	2210	2113	1956	1882	1834	1018
35°	1957	1782	1558	1433	1382	1222
45°	1551	1305	1091	1026	1002	1189
55°	1021	818	725	735	737	912
65°	542	450	461	441	366	543
75°	222	228	189	136	119	243
85°	43	40	19	17	17	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2390.3	2390.3	2390.3	2390.3	2390.3
2.5°	2406.2	2392.7	2368.9	2387.1	2380.8
5°	2401.4	2385.5	2356.2	2368.9	2357.8
7.5°	2392.7	2373.6	2334.8	2338.8	2325.3
10°	2380.0	2354.6	2306.2	2301.5	2283.2
12.5°	2364.1	2330.0	2270.5	2253.9	2230.1
15°	2344.3	2300.7	2225.3	2198.4	2169.8
17.5°	2318.9	2263.4	2173.8	2130.2	2097.7
20°	2286.4	2219.8	2112.7	2055.6	2021.5
22.5°	2252.3	2169.8	2036.6	1977.1	1939.0
25°	2209.5	2112.7	1955.7	1881.9	1833.6
27.5°	2161.1	2046.9	1868.5	1777.3	1728.9
30°	2102.4	1970.0	1772.5	1663.1	1614.7
32.5°	2037.4	1882.7	1667.8	1551.2	1494.9
35°	1957.3	1782.0	1557.6	1433.1	1382.3
37.5°	1874.8	1673.4	1433.9	1318.1	1274.5
40°	1773.3	1558.4	1318.1	1211.8	1172.9
42.5°	1669.4	1430.7	1202.3	1114.3	1082.5
45°	1551.2	1305.4	1091.3	1026.2	1001.6
47.5°	1418.8	1180.9	989.0	948.5	931.1
50°	1288.7	1056.4	889.0	873.2	867.6
52.5°	1159.5	934.2	802.6	804.2	801.0
55°	1020.7	818.4	724.9	735.2	736.8
57.5°	882.7	708.2	651.9	670.9	672.5
60°	759.0	613.8	582.1	605.1	605.9
62.5°	644.8	525.8	518.7	540.9	514.7
65°	541.7	450.5	460.8	440.9	365.6
67.5°	449.7	387.8	404.5	308.5	259.3
70°	362.4	326.7	339.4	230.0	200.6
72.5°	286.3	276.0	257.0	179.2	156.2
75°	222.1	228.4	188.7	135.6	119.0
77.5°	169.7	185.6	137.2	97.5	81.7
80°	123.7	138.8	90.4	58.7	49.2
82.5°	81.7	87.2	47.6	30.1	26.2
85°	42.8	40.4	19.0	17.4	16.7
87.5°	18.2	10.3	9.5	7.9	7.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)