

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: P289541

Luminaire Tested: **6RSRK-RM-150-HE-L830**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289541  
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-150-HE-L830  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

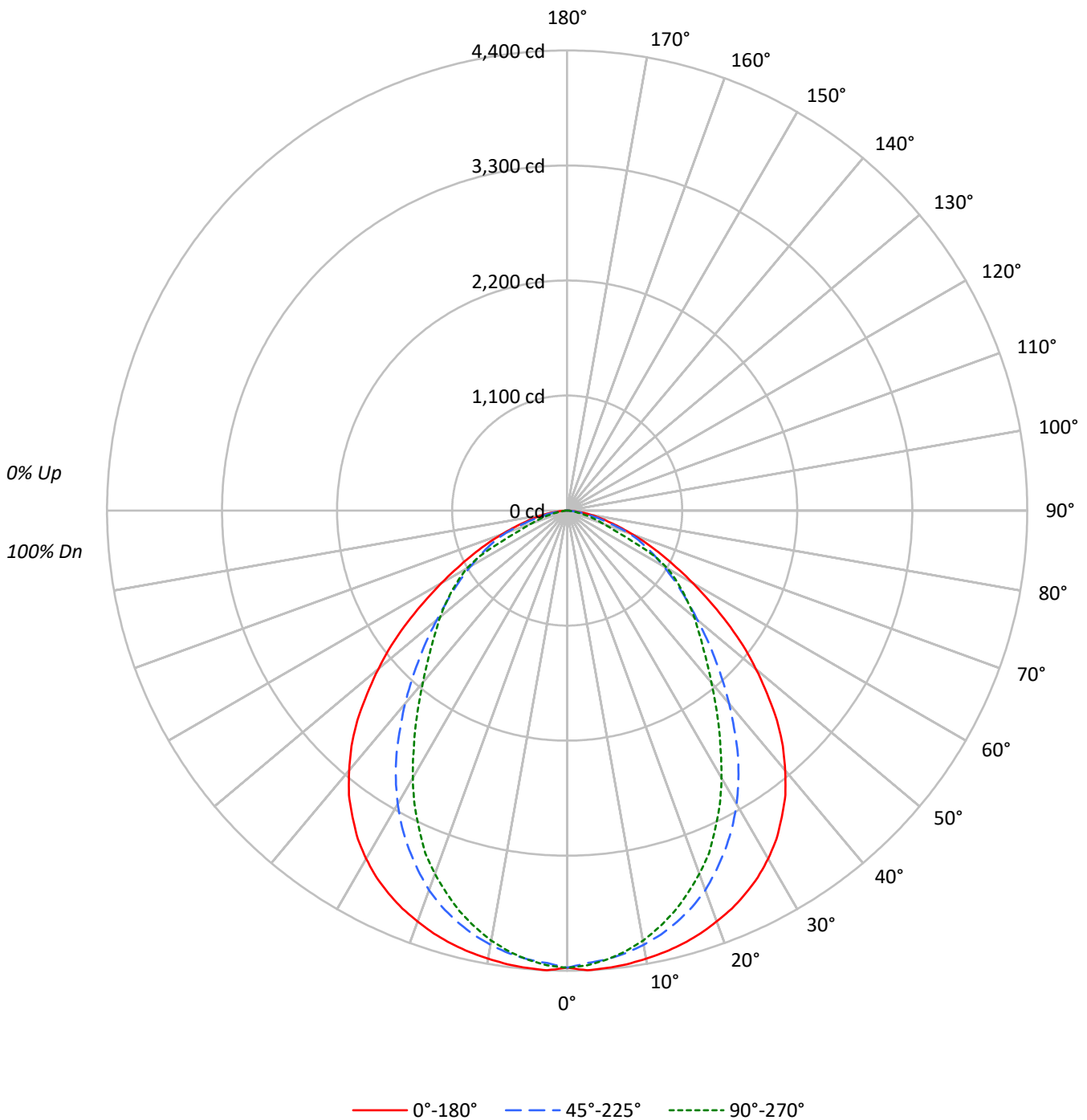
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9278.4 lumens  
Efficiency: N/A  
Efficacy: 209.9 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): 44.2  
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°	7841	7841	7841
5°	7907	7758	7764
10°	7927	7682	7605
15°	7961	7557	7369
20°	7981	7375	7057
25°	7997	7078	6636
30°	7963	6714	6116
35°	7838	6237	5535
40°	7593	5644	5023
45°	7196	5062	4647
50°	6577	4537	4428
55°	5837	4145	4213
60°	4979	3819	3975
65°	4204	3576	2838
70°	3476	3255	1924
75°	2814	2392	1508
80°	2337	1708	929
85°	1612	716	628



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	411.2	4.4
10°-20°	1155.6	12.5
20°-30°	1673.7	18.0
30°-40°	1837.1	19.8
40°-50°	1659.8	17.9
50°-60°	1294.2	13.9
60°-70°	819.3	8.8
70°-80°	358.7	3.9
80°-90°	68.8	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°	3240.6	34.9
0°-40°	5077.7	54.7
0°-60°	8031.6	86.6
0°-90°	9278.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9278.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4371	4371	4371	4371	4371	
5°	4391	4362	4308	4331	4311	418
15°	4286	4207	4069	4020	3967	1210
25°	4040	3863	3576	3441	3353	1861
35°	3579	3258	2848	2620	2528	2235
45°	2836	2387	1995	1876	1832	2175
55°	1866	1496	1325	1344	1347	1668
65°	990	824	842	806	668	992
75°	406	418	345	248	218	444
85°	78	74	35	32	30	102
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4370.6	4370.6	4370.6	4370.6	4370.6
2.5°	4399.6	4374.9	4331.4	4364.8	4353.2
5°	4390.9	4361.9	4308.2	4331.4	4311.1
7.5°	4374.9	4340.1	4269.1	4276.3	4251.7
10°	4351.7	4305.3	4216.9	4208.2	4174.8
12.5°	4322.7	4260.4	4151.6	4121.2	4077.7
15°	4286.5	4206.7	4069.0	4019.7	3967.4
17.5°	4240.1	4138.6	3974.7	3894.9	3835.5
20°	4180.6	4058.8	3863.0	3758.6	3696.3
22.5°	4118.3	3967.4	3723.8	3615.1	3545.5
25°	4040.0	3863.0	3575.9	3441.1	3352.6
27.5°	3951.5	3742.7	3416.4	3249.7	3161.2
30°	3844.2	3602.0	3241.0	3040.8	2952.4
32.5°	3725.3	3442.5	3049.5	2836.4	2733.4
35°	3578.8	3258.4	2848.0	2620.3	2527.5
37.5°	3428.0	3059.7	2621.8	2410.1	2330.3
40°	3242.4	2849.4	2410.1	2215.7	2144.7
42.5°	3052.4	2616.0	2198.3	2037.4	1979.4
45°	2836.4	2386.8	1995.3	1876.4	1831.5
47.5°	2594.2	2159.2	1808.3	1734.3	1702.4
50°	2356.4	1931.5	1625.6	1596.5	1586.4
52.5°	2120.0	1708.2	1467.5	1470.4	1464.6
55°	1866.3	1496.5	1325.4	1344.2	1347.1
57.5°	1614.0	1294.9	1192.0	1226.8	1229.7
60°	1387.7	1122.4	1064.4	1106.4	1107.9
62.5°	1178.9	961.4	948.4	989.0	941.1
65°	990.4	823.7	842.5	806.3	668.5
67.5°	822.2	709.1	739.5	564.1	474.2
70°	662.7	597.4	620.6	420.5	366.9
72.5°	523.5	504.6	469.8	327.7	285.7
75°	406.0	417.6	345.1	248.0	217.5
77.5°	310.3	339.3	250.9	178.4	149.4
80°	226.2	253.8	165.3	107.3	89.9
82.5°	149.4	159.5	87.0	55.1	47.9
85°	78.3	74.0	34.8	31.9	30.5
87.5°	33.4	18.9	17.4	14.5	14.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)