

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: P289533

Luminaire Tested: **6RSRK-RM-100-HE-L830**

Issue Date: 3/3/2020



**Test Information**

Test Method: LM-79-08  
Report Number: P289533  
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-L830  
Description: 6ft RSRK, 1000 LUMEN PER FOOT 80CRI 3000K CCT WITH ROUND MEDIUM LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

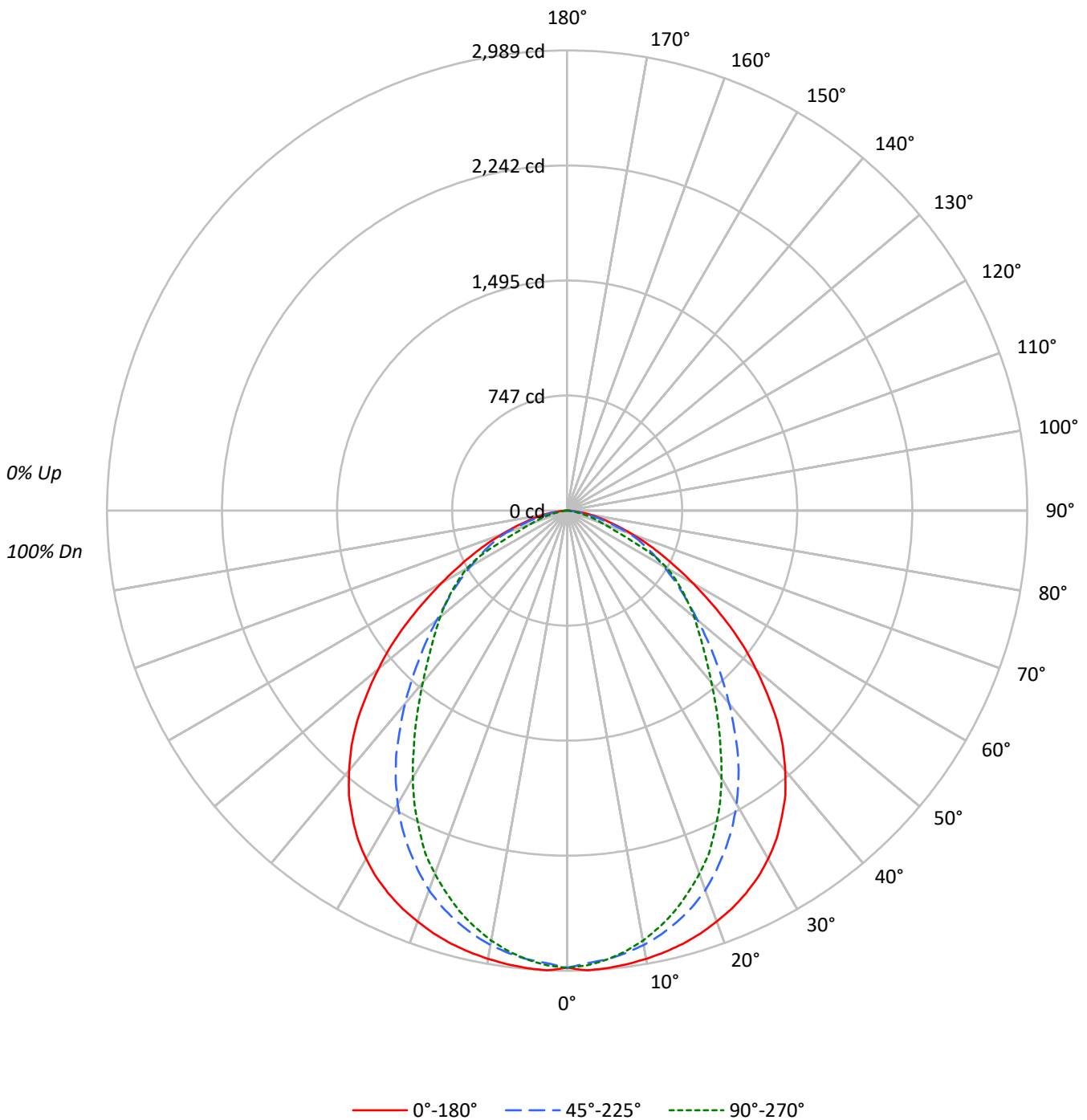
Lumens per Lamp: N/A  
Luminaire Lumens: 6303.7 lumens  
Efficiency: N/A  
Efficacy: 218.9 lumens/watt  
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18  
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')  
CIE Type: Direct

Input Watts (W): 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°	5327	5327	5327
5°	5372	5271	5274
10°	5386	5219	5167
15°	5409	5134	5006
20°	5422	5010	4794
25°	5433	4809	4509
30°	5410	4561	4155
35°	5325	4238	3761
40°	5159	3835	3412
45°	4889	3439	3157
50°	4468	3082	3008
55°	3966	2817	2862
60°	3383	2594	2701
65°	2856	2430	1928
70°	2361	2212	1307
75°	1912	1625	1024
80°	1588	1160	631
85°	1095	486	426



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	279.4	4.4
10°-20°	785.1	12.5
20°-30°	1137.1	18.0
30°-40°	1248.1	19.8
40°-50°	1127.6	17.9
50°-60°	879.3	13.9
60°-70°	556.6	8.8
70°-80°	243.7	3.9
80°-90°	46.7	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°	2201.6	34.9
0°-40°	3449.7	54.7
0°-60°	5456.6	86.6
0°-90°	6303.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6303.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2969	2969	2969	2969	2969	
5°	2983	2963	2927	2943	2929	284
15°	2912	2858	2764	2731	2695	822
25°	2745	2624	2429	2338	2278	1264
35°	2431	2214	1935	1780	1717	1518
45°	1927	1622	1356	1275	1244	1478
55°	1268	1017	900	913	915	1133
65°	673	560	572	548	454	674
75°	276	284	234	168	148	301
85°	53	50	24	22	21	69
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2969.3	2969.3	2969.3	2969.3	2969.3
2.5°	2989.0	2972.3	2942.7	2965.4	2957.5
5°	2983.1	2963.4	2927.0	2942.7	2928.9
7.5°	2972.3	2948.6	2900.4	2905.3	2888.5
10°	2956.5	2925.0	2864.9	2859.0	2836.3
12.5°	2936.8	2894.4	2820.6	2799.9	2770.3
15°	2912.2	2858.0	2764.4	2730.9	2695.4
17.5°	2880.7	2811.7	2700.4	2646.2	2605.8
20°	2840.3	2757.5	2624.5	2553.6	2511.2
22.5°	2797.9	2695.4	2529.9	2456.0	2408.8
25°	2744.7	2624.5	2429.4	2337.8	2277.7
27.5°	2684.6	2542.7	2321.1	2207.8	2147.7
30°	2611.7	2447.2	2201.9	2065.9	2005.8
32.5°	2530.9	2338.8	2071.8	1927.0	1857.1
35°	2431.4	2213.7	1934.9	1780.2	1717.2
37.5°	2329.0	2078.7	1781.2	1637.4	1583.2
40°	2202.9	1935.9	1637.4	1505.3	1457.1
42.5°	2073.8	1777.3	1493.5	1384.2	1344.8
45°	1927.0	1621.6	1355.6	1274.8	1244.3
47.5°	1762.5	1466.9	1228.5	1178.3	1156.6
50°	1600.9	1312.3	1104.4	1084.7	1077.8
52.5°	1440.3	1160.5	997.0	999.0	995.0
55°	1267.9	1016.7	900.5	913.3	915.2
57.5°	1096.5	879.8	809.8	833.5	835.4
60°	942.8	762.5	723.1	751.7	752.7
62.5°	800.9	653.2	644.3	671.9	639.4
65°	672.9	559.6	572.4	547.8	454.2
67.5°	558.6	481.8	502.4	383.2	322.2
70°	450.2	405.9	421.7	285.7	249.2
72.5°	355.6	342.8	319.2	222.6	194.1
75°	275.8	283.7	234.5	168.5	147.8
77.5°	210.8	230.5	170.4	121.2	101.5
80°	153.7	172.4	112.3	72.9	61.1
82.5°	101.5	108.4	59.1	37.4	32.5
85°	53.2	50.2	23.6	21.7	20.7
87.5°	22.7	12.8	11.8	9.9	9.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)