

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: P289549

Luminaire Tested: **6RSRK-RM-200-HE-L830**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289549
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-200-HE-L830
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

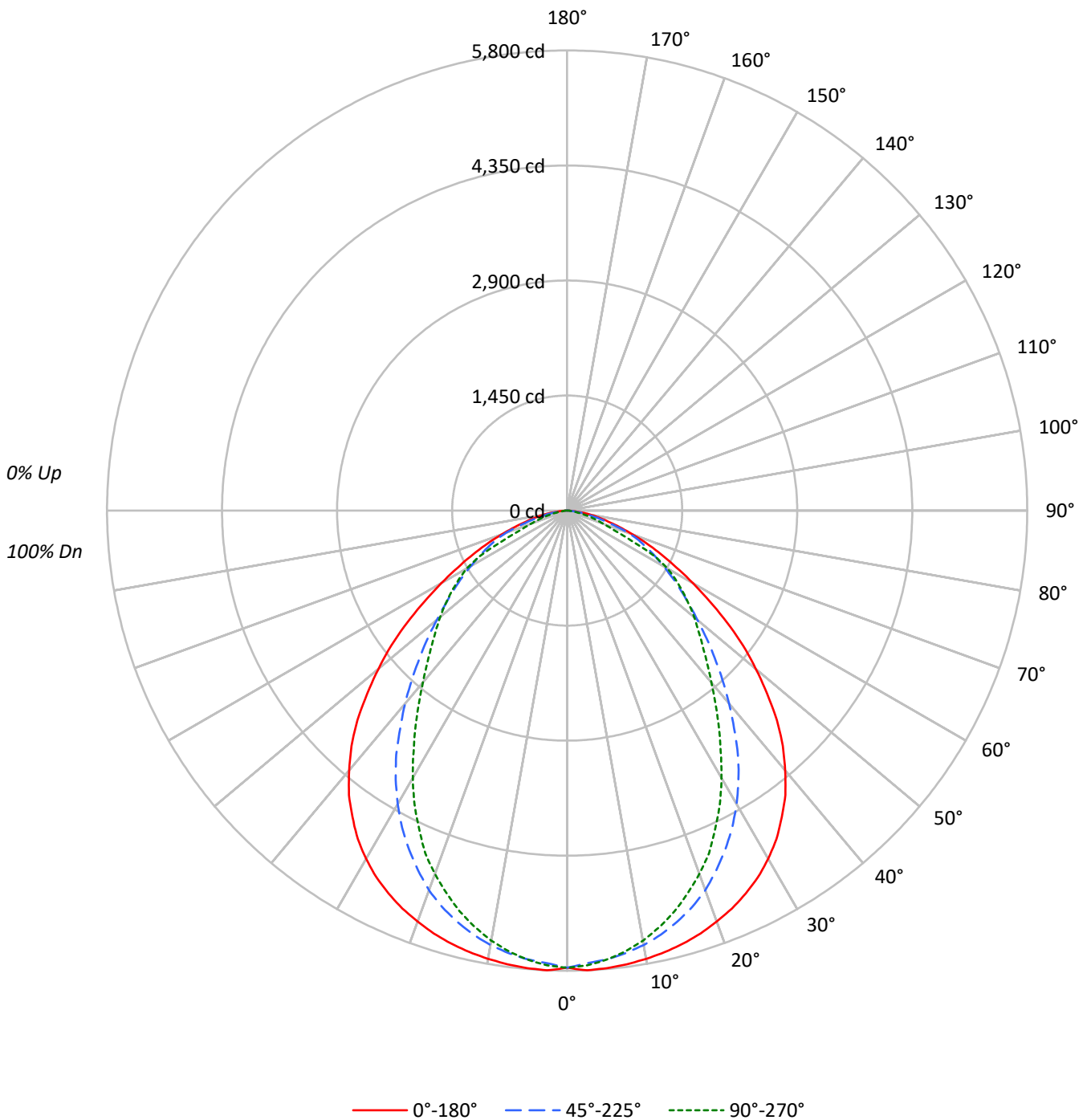
Lumens per Lamp: N/A
Luminaire Lumens: 12231.6 lumens
Efficiency: N/A
Efficacy: 199.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

Input Watts (W): 61.2
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	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°	10336	10336	10336
5°	10424	10228	10235
10°	10451	10127	10026
15°	10495	9963	9714
20°	10522	9722	9303
25°	10542	9331	8749
30°	10498	8851	8063
35°	10332	8223	7297
40°	10010	7440	6621
45°	9487	6674	6126
50°	8670	5981	5837
55°	7695	5465	5555
60°	6564	5034	5240
65°	5542	4715	3741
70°	4582	4292	2537
75°	3710	3154	1987
80°	3081	2251	1224
85°	2124	945	825



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	542.1	4.4
10°-20°	1523.4	12.5
20°-30°	2206.5	18.0
30°-40°	2421.8	19.8
40°-50°	2188.1	17.9
50°-60°	1706.1	13.9
60°-70°	1080.0	8.8
70°-80°	472.9	3.9
80°-90°	90.7	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°	4272.0	34.9
0°-40°	6693.8	54.7
0°-60°	10588.0	86.6
0°-90°	12231.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12231.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5762	5762	5762	5762	5762	
5°	5788	5750	5680	5710	5683	551
15°	5651	5546	5364	5299	5230	1596
25°	5326	5093	4714	4536	4420	2453
35°	4718	4295	3754	3454	3332	2946
45°	3739	3147	2630	2474	2414	2867
55°	2460	1973	1747	1772	1776	2198
65°	1306	1086	1111	1063	881	1308
75°	535	551	455	327	287	585
85°	103	98	46	42	40	134
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5761.7	5761.7	5761.7	5761.7	5761.7
2.5°	5799.9	5767.4	5710.1	5754.0	5738.7
5°	5788.4	5750.2	5679.5	5710.1	5683.3
7.5°	5767.4	5721.5	5627.9	5637.4	5604.9
10°	5736.8	5675.6	5559.0	5547.6	5503.6
12.5°	5698.6	5616.4	5473.0	5432.9	5375.5
15°	5650.8	5545.7	5364.1	5299.1	5230.2
17.5°	5589.6	5455.8	5239.8	5134.7	5056.3
20°	5511.2	5350.7	5092.6	4955.0	4872.8
22.5°	5429.0	5230.2	4909.1	4765.7	4674.0
25°	5325.8	5092.6	4714.1	4536.3	4419.7
27.5°	5209.2	4933.9	4503.8	4284.0	4167.4
30°	5067.7	4748.5	4272.5	4008.7	3892.1
32.5°	4911.0	4538.2	4020.2	3739.2	3603.4
35°	4717.9	4295.4	3754.5	3454.3	3332.0
37.5°	4519.1	4033.6	3456.2	3177.1	3072.0
40°	4274.4	3756.4	3177.1	2921.0	2827.3
42.5°	4024.0	3448.6	2898.0	2685.8	2609.4
45°	3739.2	3146.6	2630.4	2473.7	2414.4
47.5°	3419.9	2846.4	2383.8	2286.3	2244.3
50°	3106.4	2546.3	2142.9	2104.7	2091.3
52.5°	2794.8	2251.9	1934.6	1938.4	1930.8
55°	2460.3	1972.8	1747.2	1772.1	1775.9
57.5°	2127.7	1707.1	1571.4	1617.2	1621.1
60°	1829.4	1479.6	1403.1	1458.6	1460.5
62.5°	1554.2	1267.4	1250.2	1303.7	1240.7
65°	1305.6	1085.8	1110.7	1062.9	881.3
67.5°	1083.9	934.8	974.9	743.6	625.1
70°	873.6	787.6	818.2	554.4	483.6
72.5°	690.1	665.2	619.4	432.0	376.6
75°	535.3	550.6	455.0	326.9	286.7
77.5°	409.1	447.3	330.7	235.1	196.9
80°	298.2	334.5	217.9	141.5	118.5
82.5°	196.9	210.3	114.7	72.6	63.1
85°	103.2	97.5	45.9	42.1	40.1
87.5°	44.0	24.9	22.9	19.1	19.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)