

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: P289548

Luminaire Tested: **6RSRK-RM-200-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289548
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-L950
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

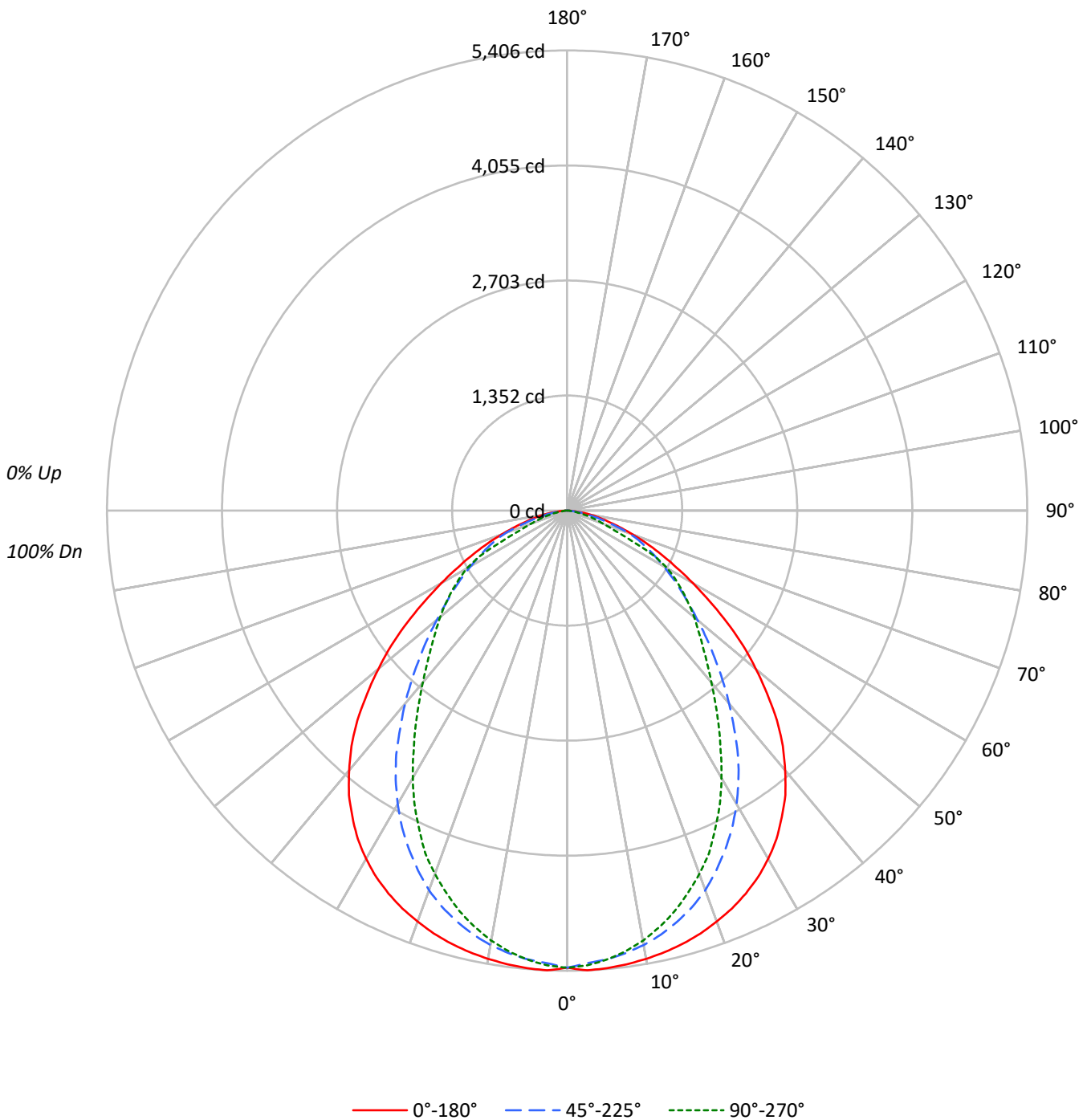
Lumens per Lamp: N/A
Luminaire Lumens: 11400.9 lumens
Efficiency: N/A
Efficacy: 186.3 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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°	9634	9634	9634
5°	9716	9533	9540
10°	9741	9439	9345
15°	9782	9286	9054
20°	9807	9062	8671
25°	9826	8697	8154
30°	9785	8249	7515
35°	9631	7664	6802
40°	9330	6935	6172
45°	8842	6220	5709
50°	8081	5575	5440
55°	7172	5094	5177
60°	6118	4692	4884
65°	5166	4394	3487
70°	4271	4000	2365
75°	3458	2940	1853
80°	2872	2098	1142
85°	1980	881	770



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.3	4.4
10°-20°	1420.0	12.5
20°-30°	2056.6	18.0
30°-40°	2257.3	19.8
40°-50°	2039.5	17.9
50°-60°	1590.2	13.9
60°-70°	1006.7	8.8
70°-80°	440.8	3.9
80°-90°	84.5	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°	3981.9	34.9
0°-40°	6239.2	54.7
0°-60°	9868.9	86.6
0°-90°	11400.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11400.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5370	5370	5370	5370	5370	
5°	5395	5360	5294	5322	5297	513
15°	5267	5169	5000	4939	4875	1487
25°	4964	4747	4394	4228	4120	2287
35°	4398	4004	3500	3220	3106	2746
45°	3485	2933	2452	2306	2250	2672
55°	2293	1839	1629	1652	1655	2049
65°	1217	1012	1035	991	821	1219
75°	499	513	424	305	267	545
85°	96	91	43	39	37	125
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5370.4	5370.4	5370.4	5370.4	5370.4
2.5°	5406.0	5375.7	5322.3	5363.2	5349.0
5°	5395.3	5359.7	5293.7	5322.3	5297.3
7.5°	5375.7	5332.9	5245.6	5254.5	5224.3
10°	5347.2	5290.2	5181.5	5170.8	5129.8
12.5°	5311.6	5234.9	5101.3	5063.9	5010.4
15°	5267.0	5169.0	4999.7	4939.2	4875.0
17.5°	5210.0	5085.3	4883.9	4785.9	4712.9
20°	5136.9	4987.3	4746.7	4618.4	4541.8
22.5°	5060.3	4875.0	4575.7	4442.0	4356.5
25°	4964.1	4746.7	4393.9	4228.2	4119.5
27.5°	4855.4	4598.8	4197.9	3993.0	3884.3
30°	4723.6	4426.0	3982.3	3736.4	3627.8
32.5°	4577.5	4230.0	3747.1	3485.2	3358.7
35°	4397.5	4003.7	3499.5	3219.7	3105.7
37.5°	4212.2	3759.6	3221.5	2961.4	2863.4
40°	3984.1	3501.3	2961.4	2722.6	2635.3
42.5°	3750.7	3214.4	2701.2	2503.4	2432.2
45°	3485.2	2932.9	2451.8	2305.7	2250.4
47.5°	3187.7	2653.1	2221.9	2131.0	2091.8
50°	2895.4	2373.4	1997.4	1961.8	1949.3
52.5°	2605.0	2099.0	1803.2	1806.8	1799.6
55°	2293.2	1838.8	1628.6	1651.7	1655.3
57.5°	1983.2	1591.2	1464.6	1507.4	1511.0
60°	1705.2	1379.1	1307.8	1359.5	1361.3
62.5°	1448.6	1181.3	1165.3	1215.2	1156.4
65°	1217.0	1012.1	1035.2	990.7	821.4
67.5°	1010.3	871.3	908.7	693.1	582.7
70°	814.3	734.1	762.6	516.7	450.8
72.5°	643.2	620.1	577.3	402.7	351.0
75°	498.9	513.2	424.1	304.7	267.3
77.5°	381.3	416.9	308.3	219.2	183.5
80°	278.0	311.8	203.1	131.9	110.5
82.5°	183.5	196.0	106.9	67.7	58.8
85°	96.2	90.9	42.8	39.2	37.4
87.5°	41.0	23.2	21.4	17.8	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)