

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: P289546

Luminaire Tested: **6RSRK-RM-200-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289546
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-L935
Description: 6ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

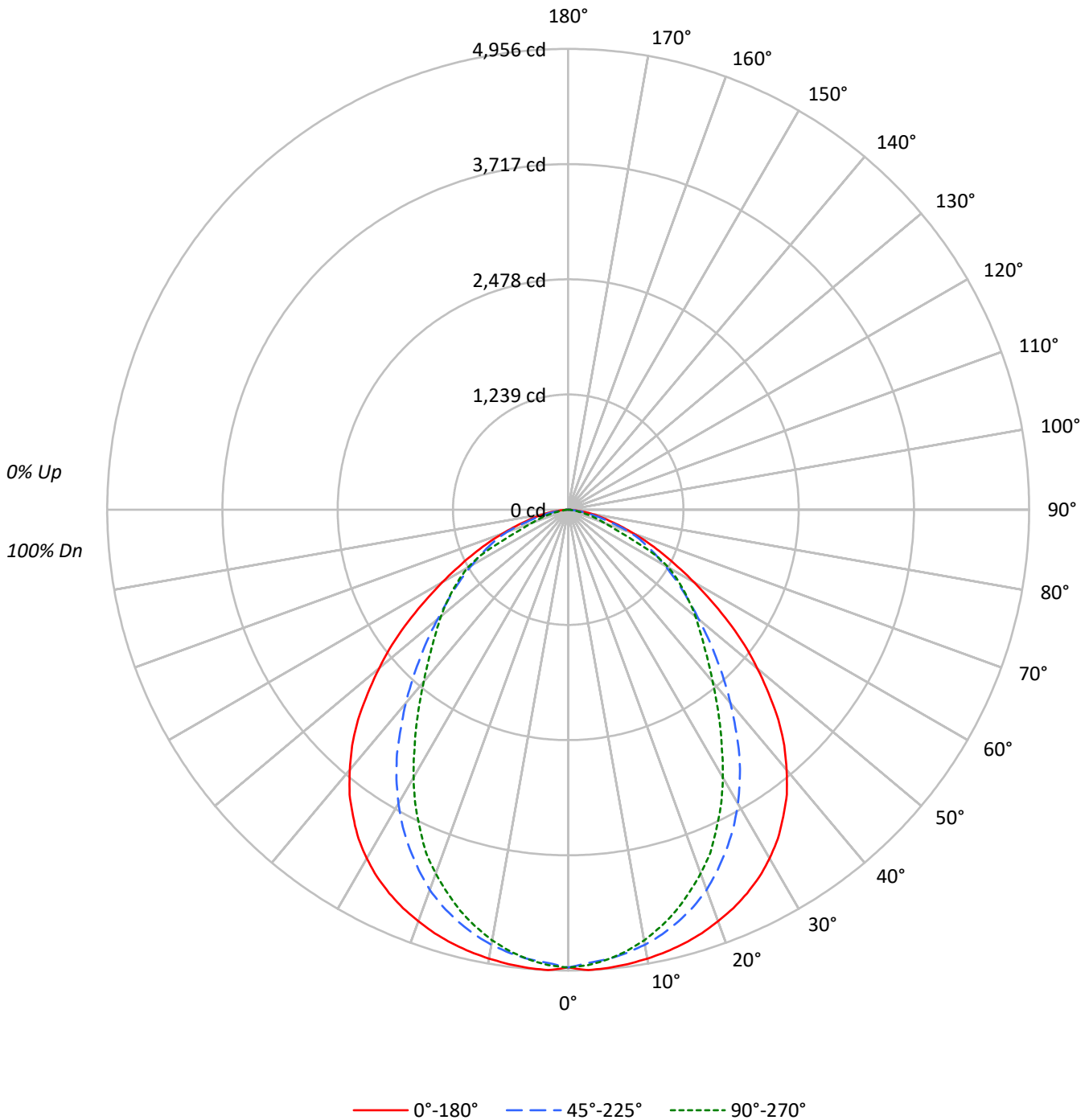
Lumens per Lamp: N/A
Luminaire Lumens: 10451.7 lumens
Efficiency: N/A
Efficacy: 170.8 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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	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					87			
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75					75			
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64					64			
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56					56			
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49					49			
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44					44			
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39					39			
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35					35			
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32					32			
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29					29			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8832	8832	8832
5°	8907	8740	8745
10°	8930	8653	8567
15°	8968	8513	8301
20°	8991	8308	7949
25°	9008	7973	7476
30°	8970	7563	6889
35°	8829	7026	6235
40°	8553	6358	5658
45°	8106	5703	5234
50°	7408	5111	4987
55°	6575	4670	4746
60°	5609	4302	4478
65°	4736	4028	3196
70°	3916	3667	2168
75°	3170	2695	1698
80°	2632	1924	1047
85°	1815	807	706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	463.2	4.4
10°-20°	1301.8	12.5
20°-30°	1885.4	18.0
30°-40°	2069.4	19.8
40°-50°	1869.7	17.9
50°-60°	1457.8	13.9
60°-70°	922.9	8.8
70°-80°	404.1	3.9
80°-90°	77.5	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°	3650.4	34.9
0°-40°	5719.8	54.7
0°-60°	9047.3	86.6
0°-90°	10451.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10451.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4923	4923	4923	4923	4923	
5°	4946	4914	4853	4879	4856	471
15°	4828	4739	4584	4528	4469	1364
25°	4551	4352	4028	3876	3777	2096
35°	4031	3670	3208	2952	2847	2517
45°	3195	2689	2248	2114	2063	2450
55°	2102	1686	1493	1514	1518	1878
65°	1116	928	949	908	753	1118
75°	457	470	389	279	245	500
85°	88	83	39	36	34	115
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4923.3	4923.3	4923.3	4923.3	4923.3
2.5°	4956.0	4928.2	4879.2	4916.8	4903.7
5°	4946.2	4913.5	4853.1	4879.2	4856.3
7.5°	4928.2	4889.0	4808.9	4817.1	4789.3
10°	4902.1	4849.8	4750.1	4740.3	4702.8
12.5°	4869.4	4799.1	4676.6	4642.3	4593.3
15°	4828.5	4738.7	4583.5	4528.0	4469.2
17.5°	4776.3	4661.9	4477.4	4387.5	4320.5
20°	4709.3	4572.1	4351.6	4234.0	4163.7
22.5°	4639.1	4469.2	4194.8	4072.3	3993.8
25°	4550.9	4351.6	4028.1	3876.2	3776.6
27.5°	4451.2	4216.0	3848.5	3660.6	3561.0
30°	4330.3	4057.5	3650.8	3425.4	3325.8
32.5°	4196.4	3877.9	3435.2	3195.1	3079.1
35°	4031.4	3670.4	3208.1	2951.7	2847.1
37.5°	3861.5	3446.6	2953.3	2714.8	2625.0
40°	3652.4	3209.8	2714.8	2495.9	2415.9
42.5°	3438.5	2946.8	2476.3	2295.0	2229.7
45°	3195.1	2688.7	2247.7	2113.7	2063.1
47.5°	2922.3	2432.2	2036.9	1953.6	1917.7
50°	2654.4	2175.8	1831.1	1798.5	1787.0
52.5°	2388.1	1924.2	1653.1	1656.3	1649.8
55°	2102.3	1685.7	1493.0	1514.2	1517.5
57.5°	1818.1	1458.7	1342.7	1381.9	1385.2
60°	1563.2	1264.3	1199.0	1246.3	1248.0
62.5°	1328.0	1083.0	1068.3	1114.0	1060.1
65°	1115.7	927.8	949.0	908.2	753.0
67.5°	926.2	798.8	833.1	635.4	534.1
70°	746.5	673.0	699.1	473.7	413.3
72.5°	589.7	568.4	529.2	369.2	321.8
75°	457.4	470.4	388.8	279.3	245.0
77.5°	349.6	382.2	282.6	200.9	168.2
80°	254.8	285.9	186.2	120.9	101.3
82.5°	168.2	179.7	98.0	62.1	53.9
85°	88.2	83.3	39.2	35.9	34.3
87.5°	37.6	21.2	19.6	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)