

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: P289585

Luminaire Tested: **8RSRK-RM-200-HE-L935**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289585
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: 8RSRK-RM-200-HE-L935
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3500K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

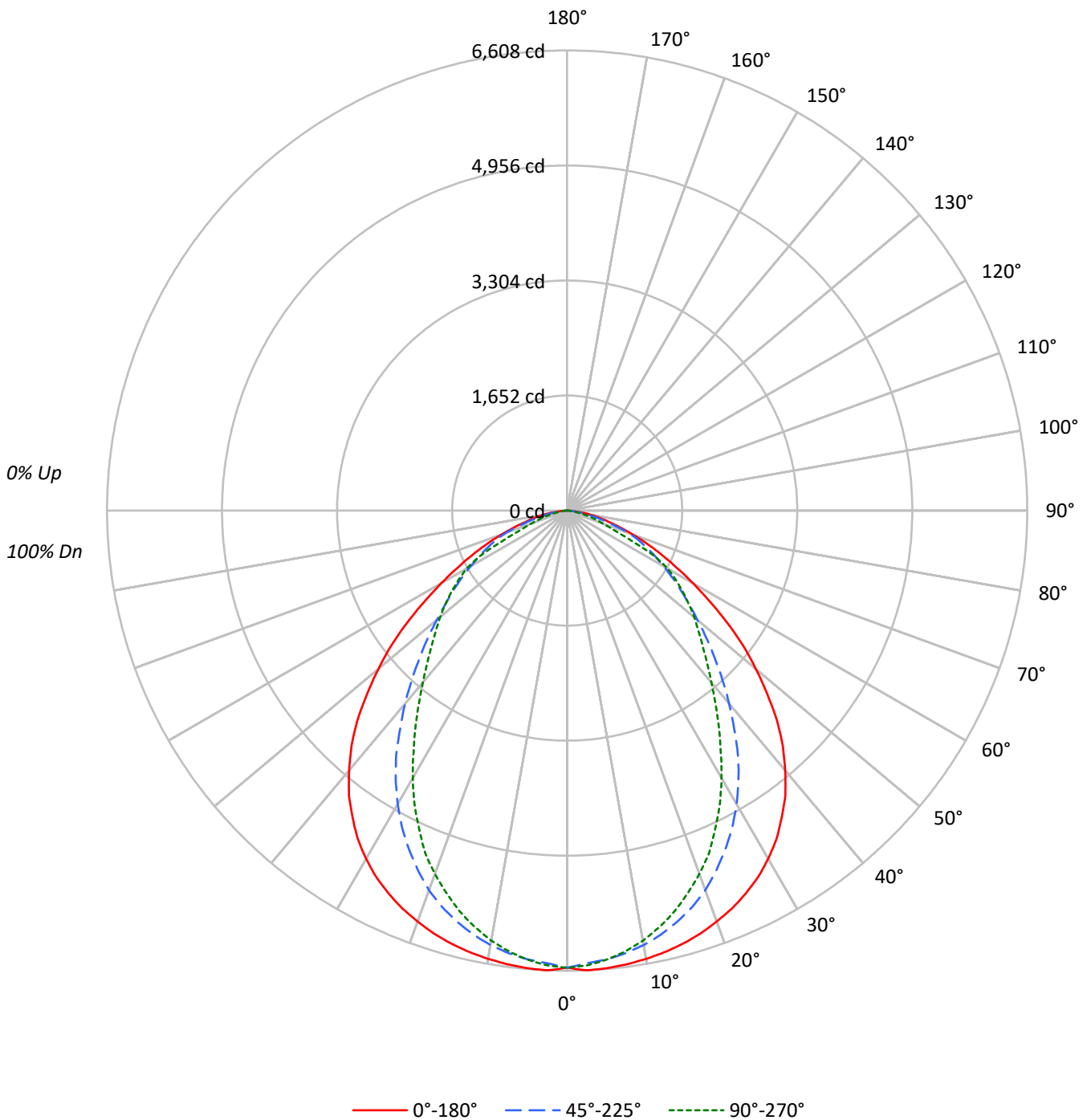
Lumens per Lamp: N/A
Luminaire Lumens: 13935.7 lumens
Efficiency: N/A
Efficacy: 227.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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				
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°	8832	8832	8832
5°	8907	8740	8745
10°	8930	8653	8567
15°	8968	8513	8300
20°	8991	8308	7949
25°	9008	7974	7476
30°	8970	7563	6889
35°	8829	7026	6235
40°	8554	6358	5658
45°	8106	5703	5234
50°	7408	5111	4987
55°	6575	4670	4746
60°	5609	4302	4478
65°	4736	4029	3196
70°	3915	3667	2168
75°	3170	2695	1698
80°	2633	1924	1046
85°	1815	807	706



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	617.7	4.4
10°-20°	1735.7	12.5
20°-30°	2513.9	18.0
30°-40°	2759.2	19.8
40°-50°	2492.9	17.9
50°-60°	1943.8	13.9
60°-70°	1230.5	8.8
70°-80°	538.8	3.9
80°-90°	103.3	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°	4867.2	34.9
0°-40°	7626.4	54.7
0°-60°	12063.1	86.6
0°-90°	13935.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13935.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6564	6564	6564	6564	6564	
5°	6595	6551	6471	6506	6475	628
15°	6438	6318	6111	6037	5959	1818
25°	6068	5802	5371	5168	5036	2795
35°	5375	4894	4278	3936	3796	3356
45°	4260	3585	2997	2818	2751	3267
55°	2803	2248	1991	2019	2023	2505
65°	1488	1237	1265	1211	1004	1490
75°	610	627	518	372	327	667
85°	118	111	52	48	46	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6564.4	6564.4	6564.4	6564.4	6564.4
2.5°	6607.9	6570.9	6505.6	6555.7	6538.3
5°	6594.9	6551.3	6470.7	6505.6	6475.1
7.5°	6570.9	6518.7	6411.9	6422.8	6385.8
10°	6536.1	6466.4	6333.5	6320.5	6270.4
12.5°	6492.5	6398.9	6235.5	6189.8	6124.4
15°	6438.1	6318.3	6111.4	6037.3	5958.9
17.5°	6368.4	6215.9	5969.8	5850.0	5760.7
20°	6279.1	6096.1	5802.1	5645.3	5551.6
22.5°	6185.4	5958.9	5593.0	5429.7	5325.1
25°	6067.8	5802.1	5370.9	5168.3	5035.5
27.5°	5935.0	5621.3	5131.3	4880.8	4748.0
30°	5773.8	5410.1	4867.8	4567.2	4434.3
32.5°	5595.2	5170.5	4580.3	4260.1	4105.5
35°	5375.2	4893.9	4277.5	3935.6	3796.2
37.5°	5148.7	4595.5	3937.8	3619.8	3500.0
40°	4869.9	4279.7	3619.8	3327.9	3221.2
42.5°	4584.6	3929.0	3301.8	3060.0	2972.9
45°	4260.1	3584.9	2996.9	2818.3	2750.8
47.5°	3896.4	3243.0	2715.9	2604.8	2556.9
50°	3539.2	2901.1	2441.5	2397.9	2382.7
52.5°	3184.2	2565.6	2204.1	2208.5	2199.7
55°	2803.0	2247.7	1990.7	2019.0	2023.3
57.5°	2424.1	1944.9	1790.3	1842.6	1846.9
60°	2084.3	1685.7	1598.6	1661.8	1664.0
62.5°	1770.7	1444.0	1424.4	1485.4	1413.5
65°	1487.6	1237.1	1265.4	1210.9	1004.0
67.5°	1234.9	1065.0	1110.8	847.2	712.2
70°	995.3	897.3	932.2	631.6	551.0
72.5°	786.2	757.9	705.7	492.2	429.1
75°	609.8	627.3	518.4	372.4	326.7
77.5°	466.1	509.6	376.8	267.9	224.3
80°	339.8	381.1	248.3	161.2	135.0
82.5°	224.3	239.6	130.7	82.8	71.9
85°	117.6	111.1	52.3	47.9	45.7
87.5°	50.1	28.3	26.1	21.8	21.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)