

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: P#

Luminaire Tested: **8RSRK-200-HE-L835**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-200-HE-L835
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

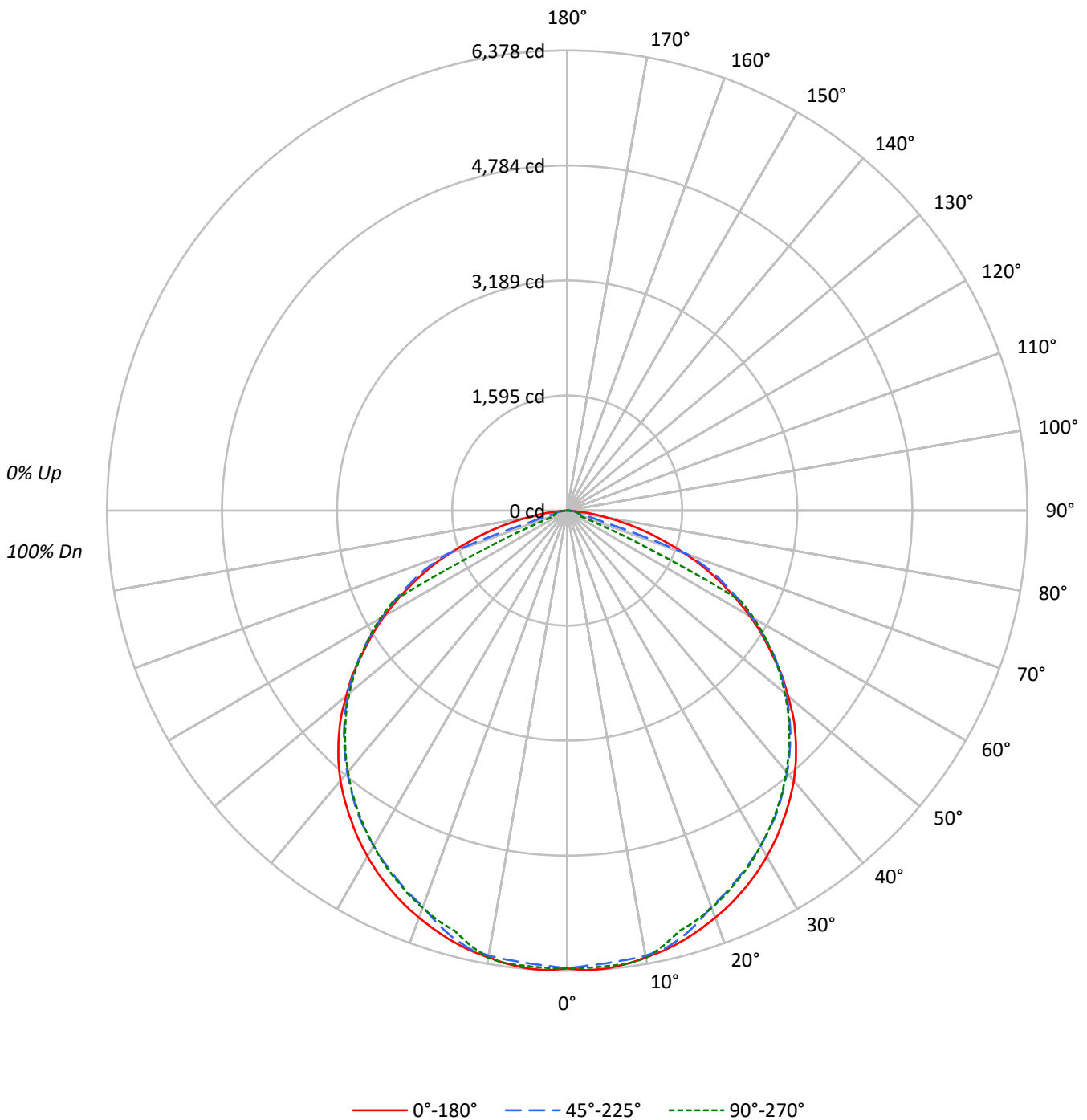
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17469.4 lumens
Efficiency: N/A
Efficacy: 285.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8538	8538	8538
5°	8604	8505	8560
10°	8592	8559	8603
15°	8602	8534	8399
20°	8598	8366	8390
25°	8603	8338	8362
30°	8600	8335	8335
35°	8586	8347	8320
40°	8584	8327	8299
45°	8528	8327	8281
50°	8363	8312	8245
55°	8137	8213	8175
60°	7873	7960	8047
65°	7457	7663	4051
70°	6823	6982	765
75°	5857	843	927
80°	4396	1067	1067
85°	2252	1124	1000



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.9	3.5
10°-20°	1727.0	9.9
20°-30°	2625.5	15.0
30°-40°	3198.1	18.3
40°-50°	3384.1	19.4
50°-60°	3104.1	17.8
60°-70°	2093.7	12.0
70°-80°	632.8	3.6
80°-90°	101.2	0.6
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°	4955.4	28.4
0°-40°	8153.5	46.7
0°-60°	14641.7	83.8
0°-90°	17469.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17469.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6346	6346	6346	6346	6346	
5°	6370	6321	6297	6354	6338	605
15°	6176	6143	6127	6078	6030	1743
25°	5795	5786	5616	5673	5633	2672
35°	5227	5114	5082	5098	5065	3273
45°	4482	4376	4376	4384	4352	3450
55°	3469	3420	3501	3501	3485	3105
65°	2342	2310	2407	2439	1272	2312
75°	1127	1135	162	178	178	1194
85°	146	73	73	65	65	222
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6345.8	6345.8	6345.8	6345.8	6345.8
2.5°	6378.2	6329.4	6313.4	6353.8	6345.8
5°	6370.0	6321.4	6297.0	6353.8	6337.6
7.5°	6337.6	6289.0	6280.9	6345.8	6337.6
10°	6289.0	6256.5	6264.5	6321.4	6297.0
12.5°	6240.3	6207.9	6224.1	6207.9	6175.5
15°	6175.5	6143.1	6126.9	6078.2	6029.6
17.5°	6094.5	6078.2	5997.2	5981.0	5956.8
20°	6005.2	6005.2	5843.1	5891.9	5859.5
22.5°	5908.0	5908.0	5737.9	5786.5	5754.1
25°	5794.7	5786.5	5616.2	5673.0	5632.6
27.5°	5673.0	5632.6	5494.7	5543.4	5510.9
30°	5535.3	5462.3	5365.1	5397.5	5365.1
32.5°	5389.3	5284.0	5227.2	5251.6	5219.2
35°	5227.2	5113.9	5081.5	5097.5	5065.1
37.5°	5065.1	4943.6	4911.2	4935.4	4903.0
40°	4887.0	4773.4	4740.9	4757.3	4724.9
42.5°	4692.5	4595.2	4562.8	4570.8	4546.4
45°	4481.6	4376.3	4376.3	4384.3	4351.9
47.5°	4254.7	4165.6	4173.8	4181.8	4157.4
50°	3995.3	3930.5	3971.1	3979.3	3938.7
52.5°	3752.4	3687.6	3736.0	3752.4	3720.0
55°	3468.7	3420.0	3501.1	3501.1	3484.9
57.5°	3201.3	3152.5	3233.7	3266.1	3241.7
60°	2925.6	2877.1	2958.0	3014.8	2990.4
62.5°	2633.8	2593.4	2690.6	2763.5	2715.0
65°	2342.1	2309.6	2406.9	2439.3	1272.3
67.5°	2042.3	2017.9	2131.5	770.0	202.5
70°	1734.3	1710.1	1774.9	194.5	194.5
72.5°	1418.4	1426.4	567.3	186.5	186.5
75°	1126.6	1134.6	162.1	178.3	178.3
77.5°	834.8	850.9	154.1	162.1	162.1
80°	567.3	413.4	137.7	137.7	137.7
82.5°	340.4	97.3	105.3	105.3	97.3
85°	145.9	72.8	72.8	64.8	64.8
87.5°	48.6	32.4	32.4	24.4	24.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)