

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-TB-200-HE-L850**

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 (G3-1810-975-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-TB-200-HE-L850
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

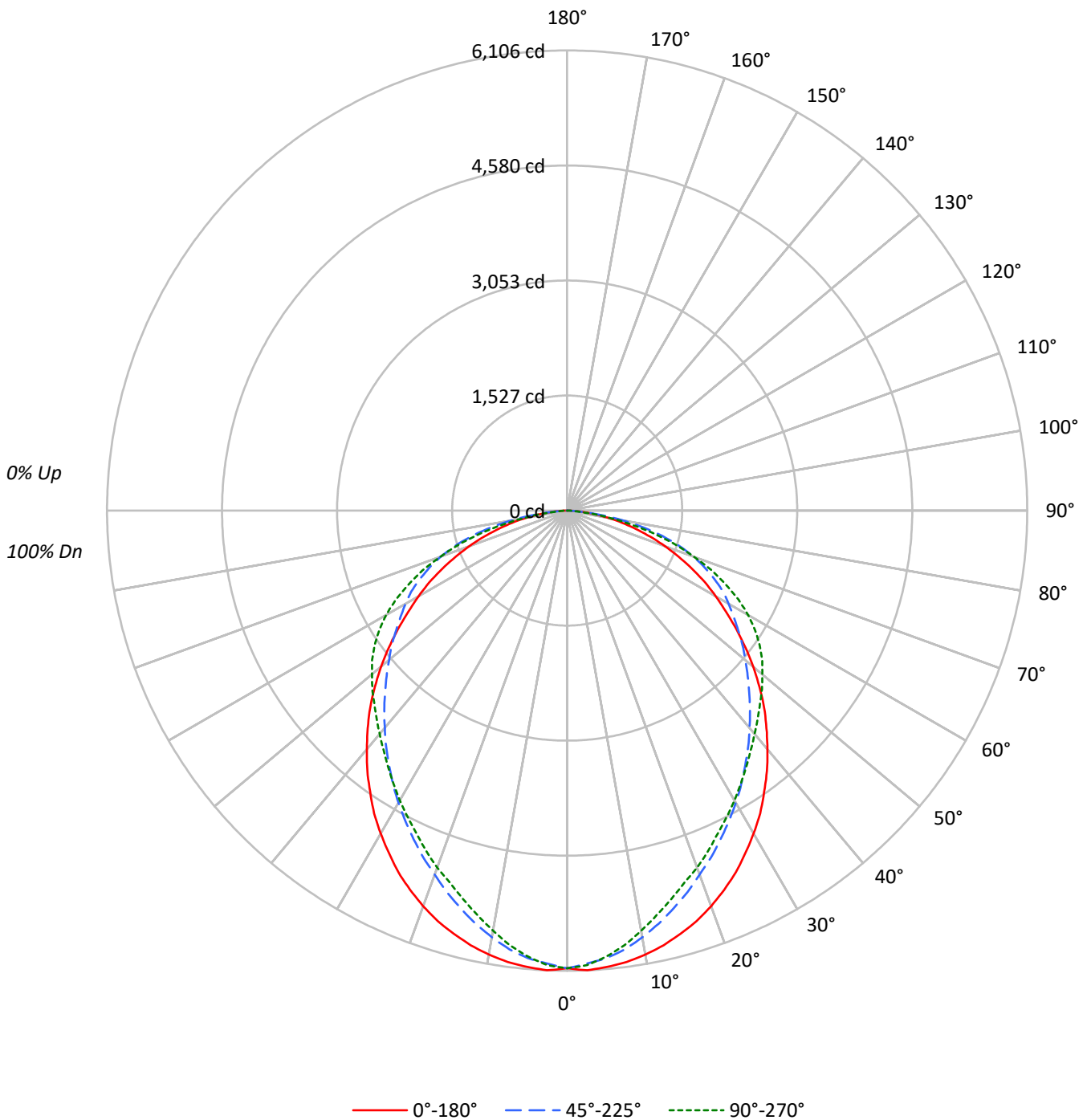
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15888.0 lumens
Efficiency: N/A
Efficacy: 259.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26
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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8172	8172	8172
5°	8211	8052	8025
10°	8172	7855	7732
15°	8098	7611	7432
20°	7998	7359	7219
25°	7865	7149	7019
30°	7690	6957	6901
35°	7486	6767	6806
40°	7260	6611	6797
45°	7036	6500	6888
50°	6748	6455	7079
55°	6427	6497	7318
60°	6124	6662	7464
65°	5826	6870	7398
70°	5444	7018	7034
75°	4886	6810	6300
80°	4277	5780	4680
85°	3211	3057	1976



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	566.1	3.6
10°-20°	1557.5	9.8
20°-30°	2265.9	14.3
30°-40°	2650.2	16.7
40°-50°	2724.1	17.1
50°-60°	2534.3	16.0
60°-70°	2061.5	13.0
70°-80°	1248.6	7.9
80°-90°	279.7	1.8
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°	4389.5	27.6
0°-40°	7039.7	44.3
0°-60°	12298.2	77.4
0°-90°	15888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15888.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6074	6074	6074	6074	6074	
5°	6080	6044	5962	5974	5942	577
15°	5814	5690	5464	5382	5336	1640
25°	5298	5074	4816	4768	4728	2437
35°	4558	4316	4120	4146	4144	2852
45°	3698	3460	3416	3566	3620	2847
55°	2740	2590	2770	3052	3120	2452
65°	1830	1796	2158	2330	2324	1812
75°	940	1118	1310	1252	1212	1006
85°	208	286	198	144	128	254
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6073.6	6073.6	6073.6	6073.6	6073.6
2.5°	6105.6	6077.6	6017.6	6051.6	6037.6
5°	6079.6	6043.6	5961.6	5973.6	5941.6
7.5°	6041.6	5989.6	5871.6	5847.6	5819.6
10°	5981.6	5905.6	5749.6	5711.6	5659.6
12.5°	5907.6	5809.6	5613.6	5545.6	5497.6
15°	5813.6	5689.6	5463.6	5381.6	5335.6
17.5°	5711.6	5557.6	5307.6	5223.6	5175.6
20°	5585.6	5409.6	5139.6	5069.6	5041.6
22.5°	5445.6	5243.6	4983.6	4921.7	4889.7
25°	5297.6	5073.6	4815.7	4767.7	4727.7
27.5°	5123.6	4895.7	4645.7	4611.7	4583.7
30°	4949.7	4715.7	4477.7	4453.7	4441.7
32.5°	4765.7	4511.7	4301.7	4297.7	4291.7
35°	4557.7	4315.7	4119.7	4145.7	4143.7
37.5°	4355.7	4107.7	3947.7	3993.7	4003.7
40°	4133.7	3891.7	3763.7	3841.7	3869.7
42.5°	3915.7	3683.7	3591.7	3697.7	3743.7
45°	3697.7	3459.8	3415.8	3565.7	3619.7
47.5°	3459.8	3245.8	3249.8	3441.8	3505.8
50°	3223.8	3023.8	3083.8	3307.8	3381.8
52.5°	2979.8	2807.8	2933.8	3177.8	3261.8
55°	2739.8	2589.8	2769.8	3051.8	3119.8
57.5°	2499.8	2379.8	2619.8	2889.8	2957.8
60°	2275.8	2171.8	2475.8	2721.8	2773.8
62.5°	2061.9	1977.9	2333.8	2537.8	2563.8
65°	1829.9	1795.9	2157.8	2329.8	2323.8
67.5°	1601.9	1609.9	1977.9	2089.9	2079.9
70°	1383.9	1447.9	1783.9	1829.9	1787.9
72.5°	1159.9	1279.9	1557.9	1553.9	1511.9
75°	939.9	1117.9	1309.9	1251.9	1211.9
77.5°	749.9	943.9	1039.9	959.9	895.9
80°	552.0	755.9	745.9	656.0	604.0
82.5°	362.0	526.0	462.0	372.0	348.0
85°	208.0	286.0	198.0	144.0	128.0
87.5°	88.0	76.0	50.0	46.0	42.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)