

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-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 (G3-1810-975-9)
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-L835
Description: 8ft RSRK, 2000 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

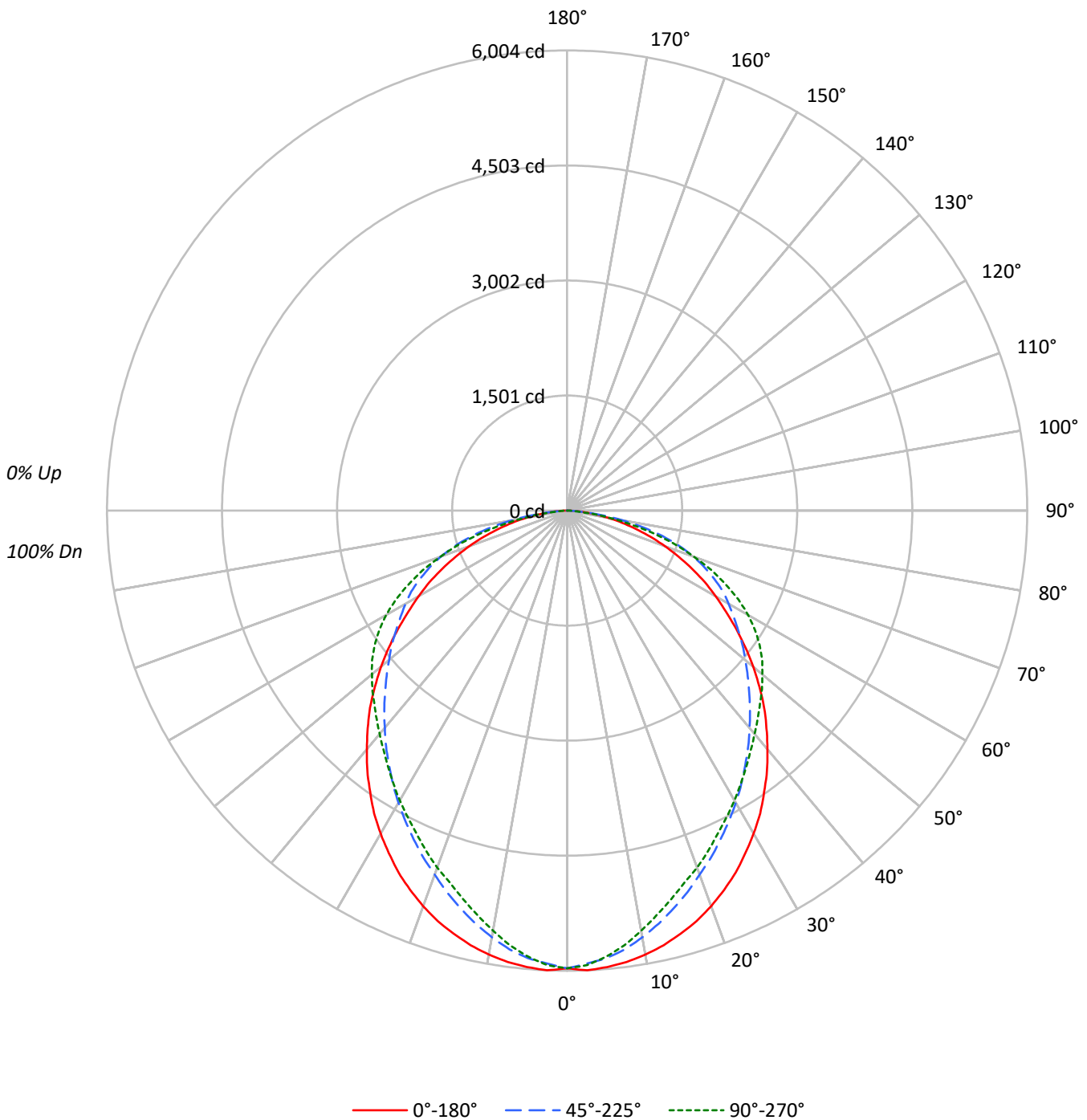
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15623.1 lumens
Efficiency: N/A
Efficacy: 255.3 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

TEST NUMBER: P#
CATALOG NUMBER: 8RSRK-TB-200-HE-L835

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	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43					43			
6	70	56	47	41	68	55	47	41	53	46	40	52	45	40	50	44	39	37					37			
7	65	51	42	36	63	50	42	36	49	41	36	47	40	35	46	40	35	33					33			
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30					30			
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27					27			
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8036	8036	8036
5°	8074	7918	7891
10°	8036	7724	7603
15°	7963	7484	7308
20°	7864	7236	7098
25°	7734	7030	6902
30°	7562	6841	6786
35°	7361	6654	6693
40°	7139	6500	6683
45°	6919	6391	6773
50°	6635	6347	6961
55°	6320	6389	7196
60°	6022	6551	7340
65°	5729	6755	7275
70°	5353	6901	6916
75°	4805	6696	6195
80°	4206	5683	4602
85°	3157	3006	1944



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	556.6	3.6
10°-20°	1531.5	9.8
20°-30°	2228.1	14.3
30°-40°	2606.0	16.7
40°-50°	2678.7	17.1
50°-60°	2492.1	16.0
60°-70°	2027.1	13.0
70°-80°	1227.8	7.9
80°-90°	275.0	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°	4316.3	27.6
0°-40°	6922.3	44.3
0°-60°	12093.1	77.4
0°-90°	15623.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	15623.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5972	5972	5972	5972	5972	
5°	5978	5943	5862	5874	5842	568
15°	5717	5595	5372	5292	5247	1612
25°	5209	4989	4735	4688	4649	2396
35°	4482	4244	4051	4077	4075	2804
45°	3636	3402	3359	3506	3559	2799
55°	2694	2547	2724	3001	3068	2411
65°	1799	1766	2122	2291	2285	1781
75°	924	1099	1288	1231	1192	990
85°	204	281	195	142	126	250
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5972.3	5972.3	5972.3	5972.3	5972.3
2.5°	6003.8	5976.2	5917.2	5950.7	5936.9
5°	5978.2	5942.8	5862.2	5874.0	5842.5
7.5°	5940.8	5889.7	5773.7	5750.1	5722.5
10°	5881.8	5807.1	5653.7	5616.4	5565.2
12.5°	5809.1	5712.7	5520.0	5453.1	5405.9
15°	5716.6	5594.7	5372.5	5291.9	5246.7
17.5°	5616.4	5464.9	5219.1	5136.5	5089.3
20°	5492.5	5319.4	5053.9	4985.1	4957.6
22.5°	5354.8	5156.2	4900.5	4839.6	4808.1
25°	5209.3	4989.0	4735.4	4688.2	4648.8
27.5°	5038.2	4814.0	4568.2	4534.8	4507.2
30°	4867.1	4637.0	4403.0	4379.4	4367.6
32.5°	4686.2	4436.4	4230.0	4226.0	4220.1
35°	4481.7	4243.7	4051.0	4076.6	4074.6
37.5°	4283.1	4039.2	3881.9	3927.1	3937.0
40°	4064.8	3826.8	3701.0	3777.7	3805.2
42.5°	3850.4	3622.3	3531.9	3636.1	3681.3
45°	3636.1	3402.1	3358.8	3506.3	3559.4
47.5°	3402.1	3191.6	3195.6	3384.4	3447.3
50°	3170.0	2973.4	3032.4	3252.6	3325.4
52.5°	2930.1	2761.0	2884.9	3124.8	3207.4
55°	2694.1	2546.6	2723.6	3000.9	3067.8
57.5°	2458.1	2340.1	2576.1	2841.6	2908.5
60°	2237.9	2135.6	2434.5	2676.4	2727.6
62.5°	2027.5	1944.9	2294.9	2495.5	2521.1
65°	1799.4	1765.9	2121.9	2291.0	2285.1
67.5°	1575.2	1583.0	1944.9	2055.0	2045.2
70°	1360.8	1423.8	1754.1	1799.4	1758.1
72.5°	1140.6	1258.6	1531.9	1528.0	1486.7
75°	924.3	1099.3	1288.1	1231.0	1191.7
77.5°	737.4	928.2	1022.6	943.9	881.0
80°	542.8	743.3	733.5	645.0	593.9
82.5°	355.9	517.2	454.3	365.8	342.2
85°	204.5	281.2	194.7	141.6	125.9
87.5°	86.5	74.7	49.2	45.2	41.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)