

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-L950**

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-L950
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

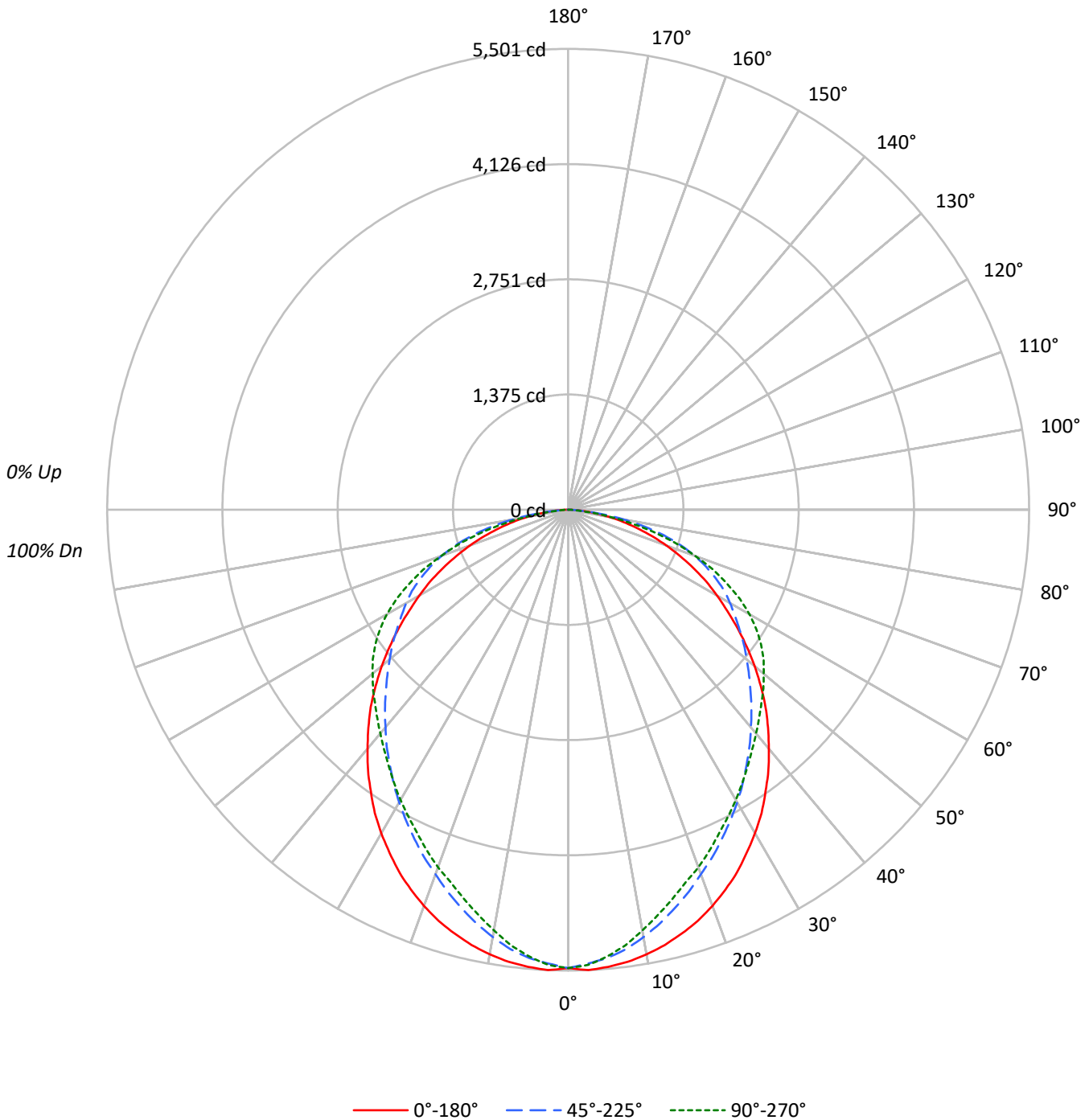
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14315.1 lumens
Efficiency: N/A
Efficacy: 233.9 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	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°	7363	7363	7363
5°	7398	7255	7230
10°	7363	7078	6967
15°	7296	6857	6696
20°	7206	6631	6504
25°	7086	6441	6324
30°	6929	6268	6218
35°	6745	6097	6132
40°	6542	5956	6124
45°	6340	5856	6206
50°	6080	5816	6378
55°	5791	5854	6594
60°	5518	6003	6725
65°	5249	6190	6666
70°	4905	6323	6337
75°	4403	6135	5676
80°	3853	5208	4217
85°	2893	2754	1780



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.0	3.6
10°-20°	1403.3	9.8
20°-30°	2041.6	14.3
30°-40°	2387.8	16.7
40°-50°	2454.4	17.1
50°-60°	2283.4	16.0
60°-70°	1857.4	13.0
70°-80°	1125.0	7.9
80°-90°	252.0	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°	3954.9	27.6
0°-40°	6342.8	44.3
0°-60°	11080.6	77.4
0°-90°	14315.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	14315.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5472	5472	5472	5472	5472	
5°	5478	5445	5371	5382	5353	520
15°	5238	5126	4923	4849	4807	1477
25°	4773	4571	4339	4296	4260	2196
35°	4106	3888	3712	3735	3734	2569
45°	3332	3117	3078	3213	3261	2565
55°	2469	2333	2496	2750	2811	2209
65°	1649	1618	1944	2099	2094	1632
75°	847	1007	1180	1128	1092	907
85°	187	258	178	130	115	229
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5472.3	5472.3	5472.3	5472.3	5472.3
2.5°	5501.1	5475.9	5421.8	5452.5	5439.9
5°	5477.7	5445.3	5371.4	5382.2	5353.4
7.5°	5443.5	5396.6	5290.3	5268.7	5243.4
10°	5389.4	5320.9	5180.4	5146.1	5099.3
12.5°	5322.7	5234.4	5057.9	4996.6	4953.3
15°	5238.0	5126.3	4922.7	4848.8	4807.4
17.5°	5146.1	5007.4	4782.2	4706.5	4663.2
20°	5032.6	4874.1	4630.8	4567.7	4542.5
22.5°	4906.5	4724.5	4490.3	4434.4	4405.6
25°	4773.2	4571.4	4338.9	4295.7	4259.6
27.5°	4616.4	4411.0	4185.8	4155.1	4129.9
30°	4459.6	4248.8	4034.4	4012.8	4002.0
32.5°	4293.9	4065.0	3875.8	3872.2	3866.8
35°	4106.5	3888.4	3711.9	3735.3	3733.5
37.5°	3924.5	3701.0	3556.9	3598.3	3607.3
40°	3724.5	3506.4	3391.1	3461.4	3486.6
42.5°	3528.1	3319.0	3236.2	3331.7	3373.1
45°	3331.7	3117.2	3077.6	3212.7	3261.4
47.5°	3117.2	2924.4	2928.0	3101.0	3158.7
50°	2904.6	2724.4	2778.5	2980.3	3047.0
52.5°	2684.8	2529.8	2643.3	2863.2	2938.9
55°	2468.6	2333.4	2495.6	2749.7	2810.9
57.5°	2252.3	2144.2	2360.5	2603.7	2665.0
60°	2050.5	1956.8	2230.7	2452.3	2499.2
62.5°	1857.7	1782.1	2102.8	2286.6	2310.0
65°	1648.7	1618.1	1944.2	2099.2	2093.8
67.5°	1443.3	1450.5	1782.1	1883.0	1873.9
70°	1246.9	1304.6	1607.3	1648.7	1610.9
72.5°	1045.1	1153.2	1403.7	1400.1	1362.2
75°	846.9	1007.2	1180.2	1128.0	1091.9
77.5°	675.7	850.5	937.0	864.9	807.2
80°	497.3	681.1	672.1	591.0	544.2
82.5°	326.1	473.9	416.2	335.1	313.5
85°	187.4	257.7	178.4	129.7	115.3
87.5°	79.3	68.5	45.0	41.4	37.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)