

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-L930**

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-L930
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

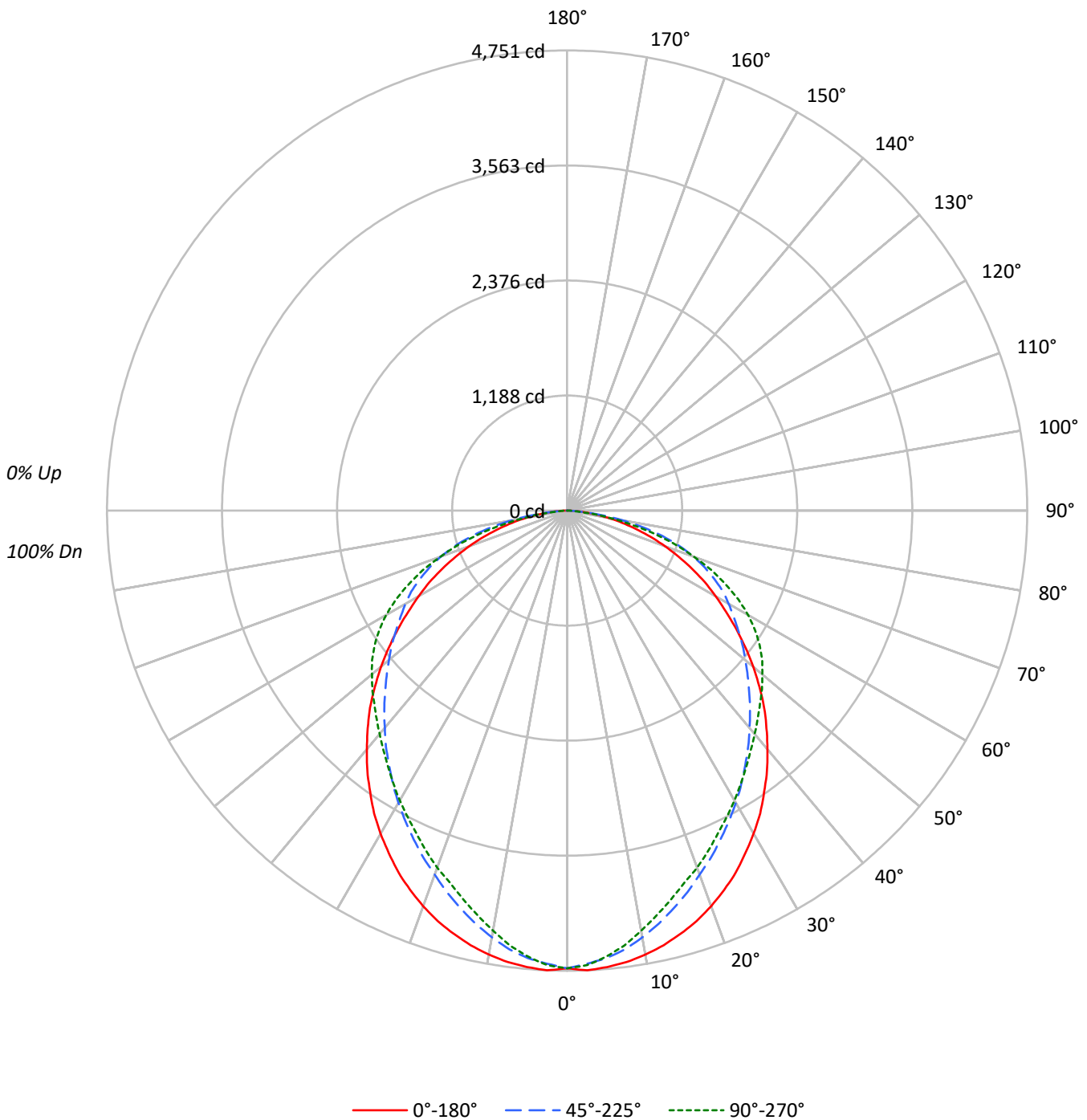
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12363.3 lumens
Efficiency: N/A
Efficacy: 202.0 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°	6359	6359	6359
5°	6390	6266	6245
10°	6359	6113	6017
15°	6302	5922	5783
20°	6223	5727	5617
25°	6120	5563	5462
30°	5984	5413	5370
35°	5825	5266	5296
40°	5650	5144	5289
45°	5475	5058	5360
50°	5251	5023	5508
55°	5001	5056	5695
60°	4766	5184	5808
65°	4533	5346	5757
70°	4236	5461	5473
75°	3802	5299	4903
80°	3328	4498	3642
85°	2498	2379	1538



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.5	3.6
10°-20°	1212.0	9.8
20°-30°	1763.2	14.3
30°-40°	2062.3	16.7
40°-50°	2119.8	17.1
50°-60°	1972.1	16.0
60°-70°	1604.2	13.0
70°-80°	971.6	7.9
80°-90°	217.7	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°	3415.7	27.6
0°-40°	5478.0	44.3
0°-60°	9569.9	77.4
0°-90°	12363.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12363.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4726	4726	4726	4726	4726	
5°	4731	4703	4639	4648	4624	449
15°	4524	4427	4252	4188	4152	1276
25°	4122	3948	3747	3710	3679	1896
35°	3547	3358	3206	3226	3224	2219
45°	2877	2692	2658	2775	2817	2215
55°	2132	2015	2155	2375	2428	1908
65°	1424	1398	1679	1813	1808	1410
75°	731	870	1019	974	943	783
85°	162	222	154	112	100	198
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4726.2	4726.2	4726.2	4726.2	4726.2
2.5°	4751.1	4729.3	4682.6	4709.1	4698.2
5°	4730.8	4702.8	4639.0	4648.4	4623.5
7.5°	4701.3	4660.8	4569.0	4550.3	4528.5
10°	4654.6	4595.5	4474.1	4444.5	4404.0
12.5°	4597.0	4520.8	4368.2	4315.3	4278.0
15°	4523.9	4427.4	4251.5	4187.7	4151.9
17.5°	4444.5	4324.7	4130.1	4064.8	4027.4
20°	4346.5	4209.5	3999.4	3945.0	3923.2
22.5°	4237.5	4080.3	3878.0	3829.8	3804.9
25°	4122.4	3948.1	3747.3	3710.0	3678.9
27.5°	3987.0	3809.6	3615.0	3588.6	3566.8
30°	3851.6	3669.5	3484.3	3465.7	3456.3
32.5°	3708.4	3510.8	3347.4	3344.3	3339.6
35°	3546.6	3358.3	3205.8	3226.0	3224.4
37.5°	3389.4	3196.4	3071.9	3107.7	3115.5
40°	3216.7	3028.4	2928.8	2989.5	3011.2
42.5°	3047.0	2866.5	2794.9	2877.4	2913.2
45°	2877.4	2692.2	2658.0	2774.7	2816.7
47.5°	2692.2	2525.7	2528.8	2678.2	2728.0
50°	2508.6	2353.0	2399.7	2574.0	2631.5
52.5°	2318.7	2184.9	2282.9	2472.8	2538.2
55°	2132.0	2015.3	2155.3	2374.8	2427.7
57.5°	1945.2	1851.9	2038.6	2248.7	2301.6
60°	1771.0	1690.0	1926.6	2118.0	2158.4
62.5°	1604.4	1539.1	1816.1	1974.8	1995.0
65°	1423.9	1397.5	1679.1	1813.0	1808.3
67.5°	1246.5	1252.7	1539.1	1626.2	1618.4
70°	1076.9	1126.7	1388.1	1423.9	1391.2
72.5°	902.6	996.0	1212.3	1209.2	1176.5
75°	731.4	869.9	1019.3	974.2	943.1
77.5°	583.6	734.5	809.2	747.0	697.2
80°	429.5	588.2	580.5	510.4	470.0
82.5°	281.7	409.3	359.5	289.5	270.8
85°	161.8	222.5	154.1	112.0	99.6
87.5°	68.5	59.1	38.9	35.8	32.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)