

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-150-HE-L830**

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-150-HE-L830
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

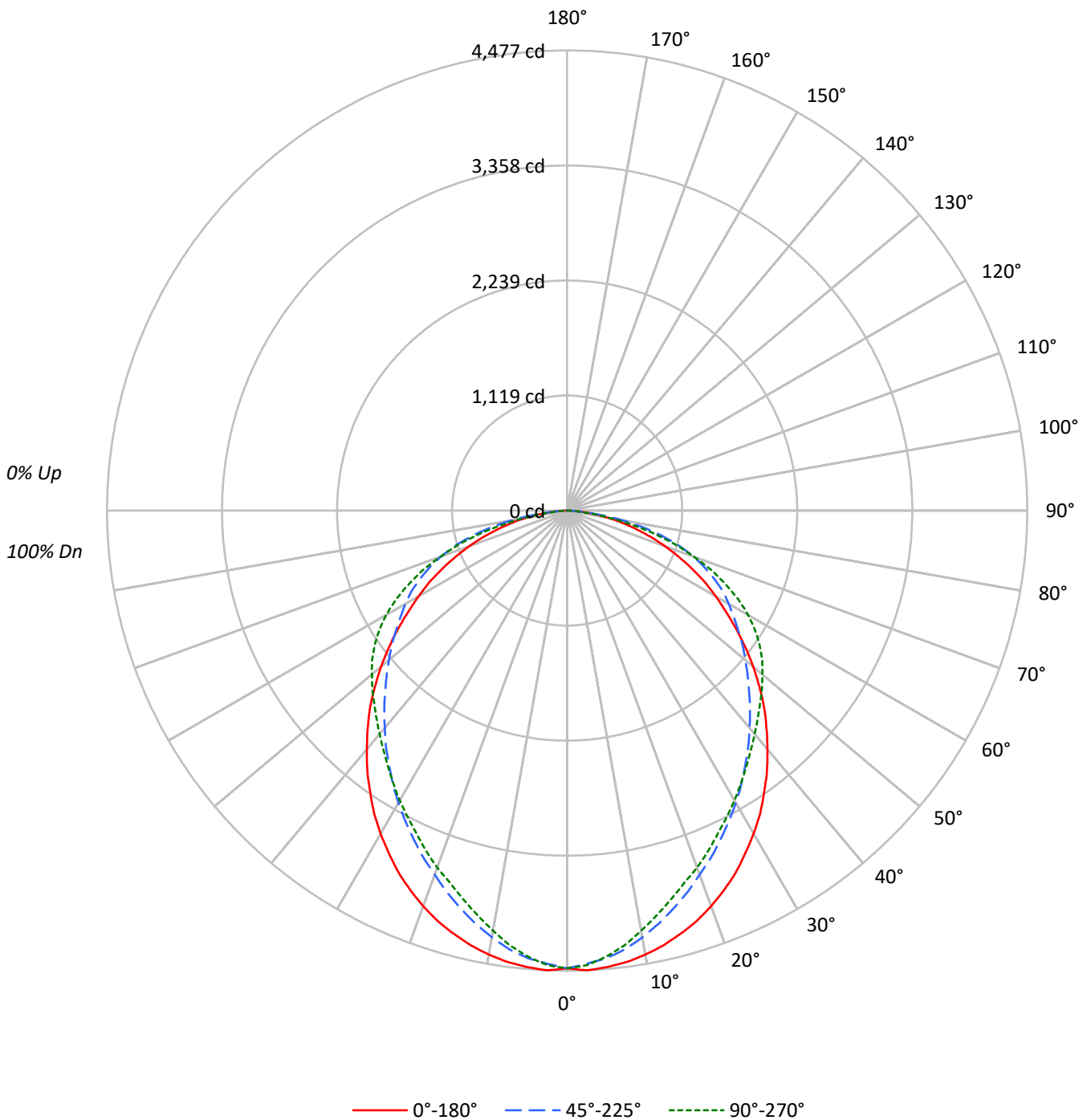
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11650.1 lumens
Efficiency: N/A
Efficacy: 263.6 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): 44.2
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	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°	5992	5992	5992
5°	6021	5904	5884
10°	5992	5760	5670
15°	5938	5581	5450
20°	5864	5396	5293
25°	5767	5242	5146
30°	5639	5101	5060
35°	5489	4962	4991
40°	5324	4847	4984
45°	5159	4766	5050
50°	4948	4733	5191
55°	4713	4764	5366
60°	4491	4885	5473
65°	4272	5038	5425
70°	3992	5146	5157
75°	3583	4993	4620
80°	3136	4238	3432
85°	2354	2242	1450



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.1	3.6
10°-20°	1142.1	9.8
20°-30°	1661.5	14.3
30°-40°	1943.3	16.7
40°-50°	1997.5	17.1
50°-60°	1858.3	16.0
60°-70°	1511.6	13.0
70°-80°	915.6	7.9
80°-90°	205.1	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°	3218.6	27.6
0°-40°	5162.0	44.3
0°-60°	9017.8	77.4
0°-90°	11650.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11650.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4454	4454	4454	4454	4454	
5°	4458	4432	4371	4380	4357	423
15°	4263	4172	4006	3946	3912	1202
25°	3884	3720	3531	3496	3467	1787
35°	3342	3164	3021	3040	3038	2091
45°	2711	2537	2505	2615	2654	2087
55°	2009	1899	2031	2238	2288	1798
65°	1342	1317	1582	1708	1704	1328
75°	689	820	960	918	889	738
85°	152	210	145	106	94	186
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4453.5	4453.5	4453.5	4453.5	4453.5
2.5°	4477.0	4456.5	4412.5	4437.4	4427.1
5°	4457.9	4431.5	4371.4	4380.2	4356.7
7.5°	4430.1	4391.9	4305.4	4287.8	4267.3
10°	4386.1	4330.3	4216.0	4188.1	4150.0
12.5°	4331.8	4260.0	4116.2	4066.4	4031.2
15°	4262.9	4172.0	4006.3	3946.1	3912.4
17.5°	4188.1	4075.2	3891.9	3830.3	3795.1
20°	4095.7	3966.7	3768.7	3717.4	3696.8
22.5°	3993.1	3845.0	3654.3	3608.9	3585.4
25°	3884.5	3720.3	3531.1	3495.9	3466.6
27.5°	3757.0	3589.8	3406.5	3381.6	3361.0
30°	3629.4	3457.8	3283.3	3265.7	3256.9
32.5°	3494.5	3308.2	3154.3	3151.3	3146.9
35°	3342.0	3164.5	3020.8	3039.9	3038.4
37.5°	3193.9	3012.0	2894.7	2928.4	2935.8
40°	3031.1	2853.7	2759.8	2817.0	2837.5
42.5°	2871.3	2701.1	2633.7	2711.4	2745.1
45°	2711.4	2536.9	2504.6	2614.6	2654.2
47.5°	2536.9	2380.0	2382.9	2523.7	2570.6
50°	2363.9	2217.2	2261.2	2425.5	2479.7
52.5°	2185.0	2058.9	2151.2	2330.1	2391.7
55°	2009.0	1899.0	2031.0	2237.8	2287.6
57.5°	1833.0	1745.0	1921.0	2119.0	2168.8
60°	1668.8	1592.5	1815.4	1995.8	2033.9
62.5°	1511.9	1450.3	1711.3	1860.9	1880.0
65°	1341.8	1316.8	1582.3	1708.4	1704.0
67.5°	1174.6	1180.5	1450.3	1532.4	1525.1
70°	1014.8	1061.7	1308.0	1341.8	1311.0
72.5°	850.5	938.5	1142.3	1139.4	1108.6
75°	689.2	819.7	960.5	918.0	888.7
77.5°	549.9	692.2	762.5	703.9	657.0
80°	404.7	554.3	547.0	481.0	442.9
82.5°	265.4	385.7	338.7	272.8	255.2
85°	152.5	209.7	145.2	105.6	93.9
87.5°	64.5	55.7	36.7	33.7	30.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)