

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-L950**

Issue Date: 3/3/2020



**Test Information**

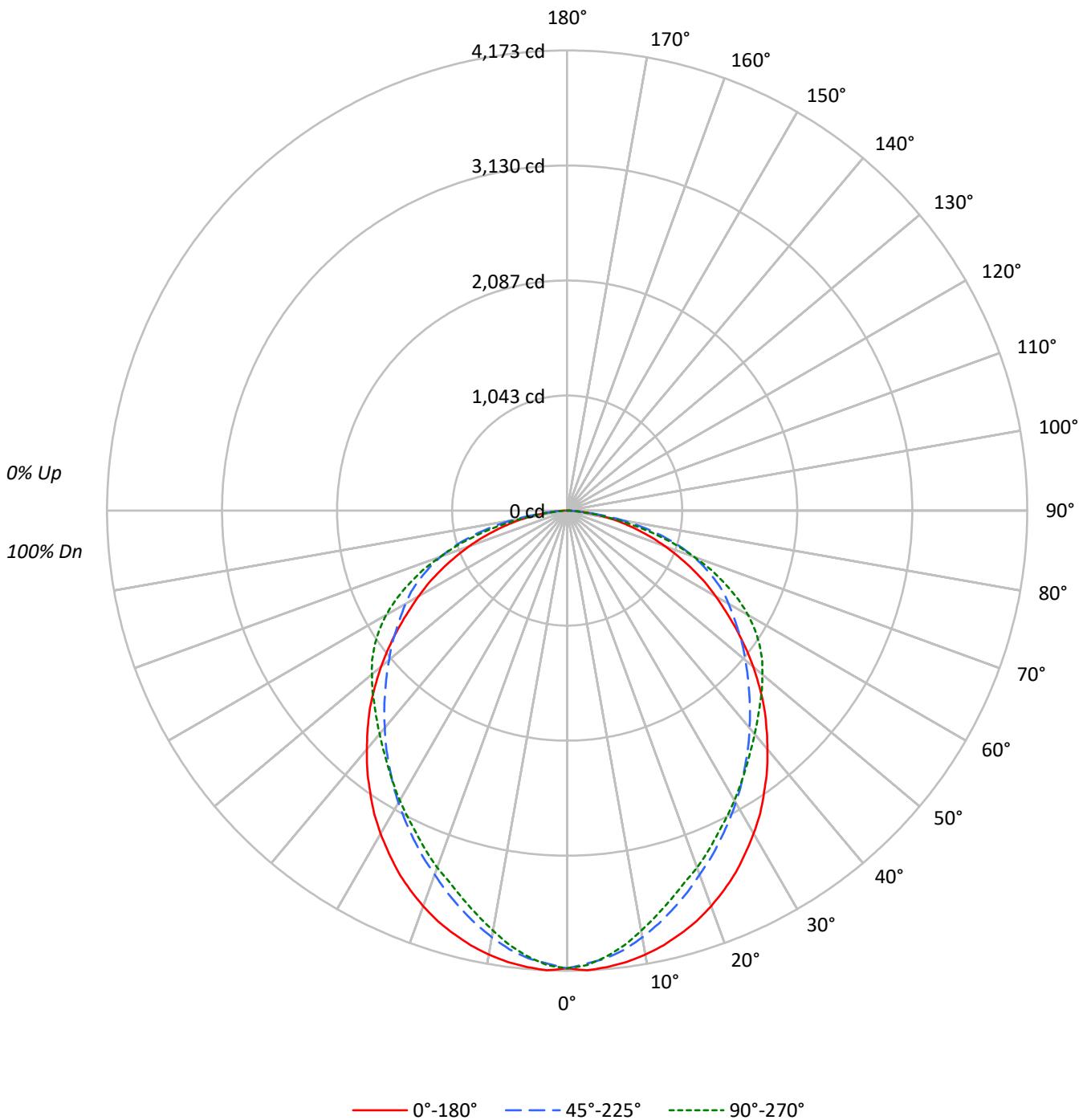
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8RSRK-TB-150-HE-L950  
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10858.8 lumens  
Efficiency: N/A  
Efficacy: 245.7 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	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°	5585	5585	5585
5°	5612	5503	5485
10°	5585	5369	5285
15°	5535	5202	5080
20°	5466	5030	4934
25°	5375	4886	4797
30°	5256	4755	4716
35°	5117	4625	4652
40°	4962	4518	4645
45°	4809	4442	4708
50°	4612	4412	4838
55°	4393	4441	5002
60°	4186	4553	5102
65°	3982	4695	5057
70°	3721	4796	4807
75°	3340	4654	4306
80°	2923	3950	3199
85°	2195	2089	1351



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.9	3.6
10°-20°	1064.5	9.8
20°-30°	1548.7	14.3
30°-40°	1811.3	16.7
40°-50°	1861.8	17.1
50°-60°	1732.1	16.0
60°-70°	1409.0	13.0
70°-80°	853.4	7.9
80°-90°	191.2	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°	3000.0	27.6
0°-40°	4811.4	44.3
0°-60°	8405.3	77.4
0°-90°	10858.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10858.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4151	4151	4151	4151	4151	
5°	4155	4131	4074	4083	4061	395
15°	3973	3889	3734	3678	3647	1121
25°	3621	3468	3291	3258	3231	1666
35°	3115	2950	2816	2833	2832	1949
45°	2527	2365	2334	2437	2474	1946
55°	1873	1770	1893	2086	2132	1676
65°	1251	1227	1475	1592	1588	1238
75°	642	764	895	856	828	688
85°	142	196	135	98	88	174
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4151.1	4151.1	4151.1	4151.1	4151.1
2.5°	4172.9	4153.8	4112.8	4136.0	4126.5
5°	4155.2	4130.6	4074.5	4082.7	4060.8
7.5°	4129.2	4093.7	4013.0	3996.6	3977.5
10°	4088.2	4036.2	3929.6	3903.7	3868.1
12.5°	4037.6	3970.6	3836.7	3790.2	3757.4
15°	3973.4	3888.6	3734.2	3678.1	3646.7
17.5°	3903.7	3798.4	3627.6	3570.2	3537.4
20°	3817.6	3697.3	3512.7	3464.9	3445.8
22.5°	3721.9	3583.8	3406.1	3363.8	3341.9
25°	3620.7	3467.6	3291.3	3258.5	3231.2
27.5°	3501.8	3346.0	3175.1	3151.9	3132.8
30°	3382.9	3223.0	3060.3	3043.9	3035.7
32.5°	3257.2	3083.6	2940.0	2937.3	2933.2
35°	3115.0	2949.6	2815.7	2833.4	2832.1
37.5°	2977.0	2807.5	2698.1	2729.6	2736.4
40°	2825.2	2659.8	2572.4	2625.7	2644.8
42.5°	2676.3	2517.7	2454.8	2527.3	2558.7
45°	2527.3	2364.6	2334.5	2437.1	2474.0
47.5°	2364.6	2218.4	2221.1	2352.3	2396.1
50°	2203.3	2066.6	2107.6	2260.7	2311.3
52.5°	2036.6	1919.0	2005.1	2171.9	2229.3
55°	1872.6	1770.0	1893.1	2085.8	2132.3
57.5°	1708.5	1626.5	1790.5	1975.1	2021.5
60°	1555.5	1484.4	1692.1	1860.3	1895.8
62.5°	1409.2	1351.8	1595.1	1734.5	1752.3
65°	1250.6	1227.4	1474.8	1592.4	1588.3
67.5°	1094.8	1100.3	1351.8	1428.3	1421.5
70°	945.8	989.6	1219.2	1250.6	1221.9
72.5°	792.8	874.8	1064.8	1062.0	1033.3
75°	642.4	764.1	895.3	855.6	828.3
77.5°	512.6	645.1	710.8	656.1	612.3
80°	377.2	516.7	509.8	448.3	412.8
82.5°	247.4	359.5	315.7	254.2	237.8
85°	142.2	195.5	135.3	98.4	87.5
87.5°	60.1	51.9	34.2	31.4	28.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)