

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-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-150-HE-L835
Description: 8ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

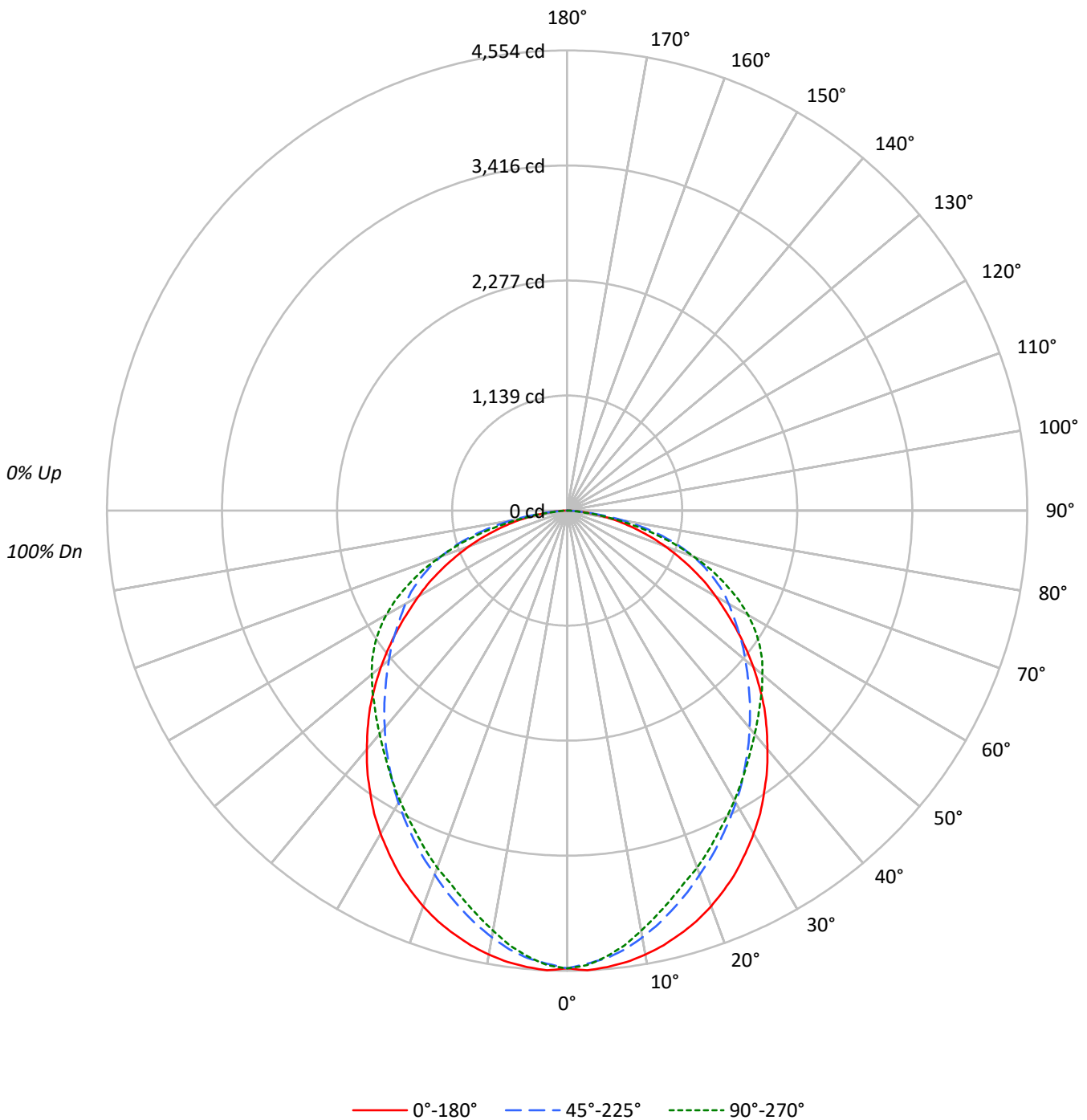
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11851.0 lumens
Efficiency: N/A
Efficacy: 268.1 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°	6095	6095	6095
5°	6125	6006	5986
10°	6096	5859	5768
15°	6040	5677	5544
20°	5966	5489	5385
25°	5866	5333	5235
30°	5736	5189	5147
35°	5584	5047	5077
40°	5416	4931	5070
45°	5248	4848	5138
50°	5033	4815	5280
55°	4794	4846	5459
60°	4568	4969	5568
65°	4345	5124	5519
70°	4061	5235	5246
75°	3645	5080	4700
80°	3190	4311	3491
85°	2394	2280	1474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.2	3.6
10°-20°	1161.8	9.8
20°-30°	1690.2	14.3
30°-40°	1976.8	16.7
40°-50°	2031.9	17.1
50°-60°	1890.4	16.0
60°-70°	1537.7	13.0
70°-80°	931.4	7.9
80°-90°	208.6	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°	3274.2	27.6
0°-40°	5251.0	44.3
0°-60°	9173.3	77.4
0°-90°	11851.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11851.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4530	4530	4530	4530	4530	
5°	4535	4508	4447	4456	4432	431
15°	4336	4244	4075	4014	3980	1223
25°	3952	3784	3592	3556	3526	1818
35°	3400	3219	3073	3092	3091	2127
45°	2758	2581	2548	2660	2700	2123
55°	2044	1932	2066	2276	2327	1829
65°	1365	1340	1610	1738	1733	1351
75°	701	834	977	934	904	751
85°	155	213	148	107	96	189
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4530.3	4530.3	4530.3	4530.3	4530.3
2.5°	4554.2	4533.3	4488.6	4513.9	4503.5
5°	4534.8	4508.0	4446.8	4455.8	4431.9
7.5°	4506.5	4467.7	4379.7	4361.8	4340.9
10°	4461.7	4405.0	4288.7	4260.3	4221.6
12.5°	4406.5	4333.4	4187.2	4136.5	4100.7
15°	4336.4	4243.9	4075.4	4014.2	3979.9
17.5°	4260.3	4145.5	3959.0	3896.4	3860.6
20°	4166.4	4035.1	3833.7	3781.5	3760.6
22.5°	4061.9	3911.3	3717.4	3671.1	3647.2
25°	3951.6	3784.5	3592.1	3556.3	3526.4
27.5°	3821.8	3651.7	3465.3	3439.9	3419.0
30°	3692.0	3517.5	3340.0	3322.1	3313.1
32.5°	3554.8	3365.3	3208.7	3205.7	3201.2
35°	3399.6	3219.1	3072.9	3092.3	3090.8
37.5°	3249.0	3064.0	2944.6	2979.0	2986.4
40°	3083.4	2902.9	2807.4	2865.6	2886.5
42.5°	2920.8	2747.7	2679.1	2758.2	2792.5
45°	2758.2	2580.7	2547.9	2659.7	2700.0
47.5°	2580.7	2421.1	2424.0	2567.2	2615.0
50°	2404.6	2255.5	2300.2	2467.3	2522.5
52.5°	2222.7	2094.4	2188.3	2370.3	2433.0
55°	2043.7	1931.8	2066.0	2276.4	2327.1
57.5°	1864.6	1775.1	1954.1	2155.5	2206.2
60°	1697.6	1620.0	1846.7	2030.2	2069.0
62.5°	1538.0	1475.3	1740.8	1893.0	1912.4
65°	1364.9	1339.6	1609.6	1737.9	1733.4
67.5°	1194.9	1200.8	1475.3	1558.8	1551.4
70°	1032.3	1080.0	1330.6	1364.9	1333.6
72.5°	865.2	954.7	1162.0	1159.1	1127.7
75°	701.1	833.9	977.1	933.8	904.0
77.5°	559.4	704.1	775.7	716.0	668.3
80°	411.7	563.9	556.4	489.3	450.5
82.5°	270.0	392.3	344.6	277.5	259.6
85°	155.1	213.3	147.7	107.4	95.5
87.5°	65.6	56.7	37.3	34.3	31.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)