

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: **6RSRK-TB-150-HE-L835**

Issue Date: 3/3/2020



**Test Information**

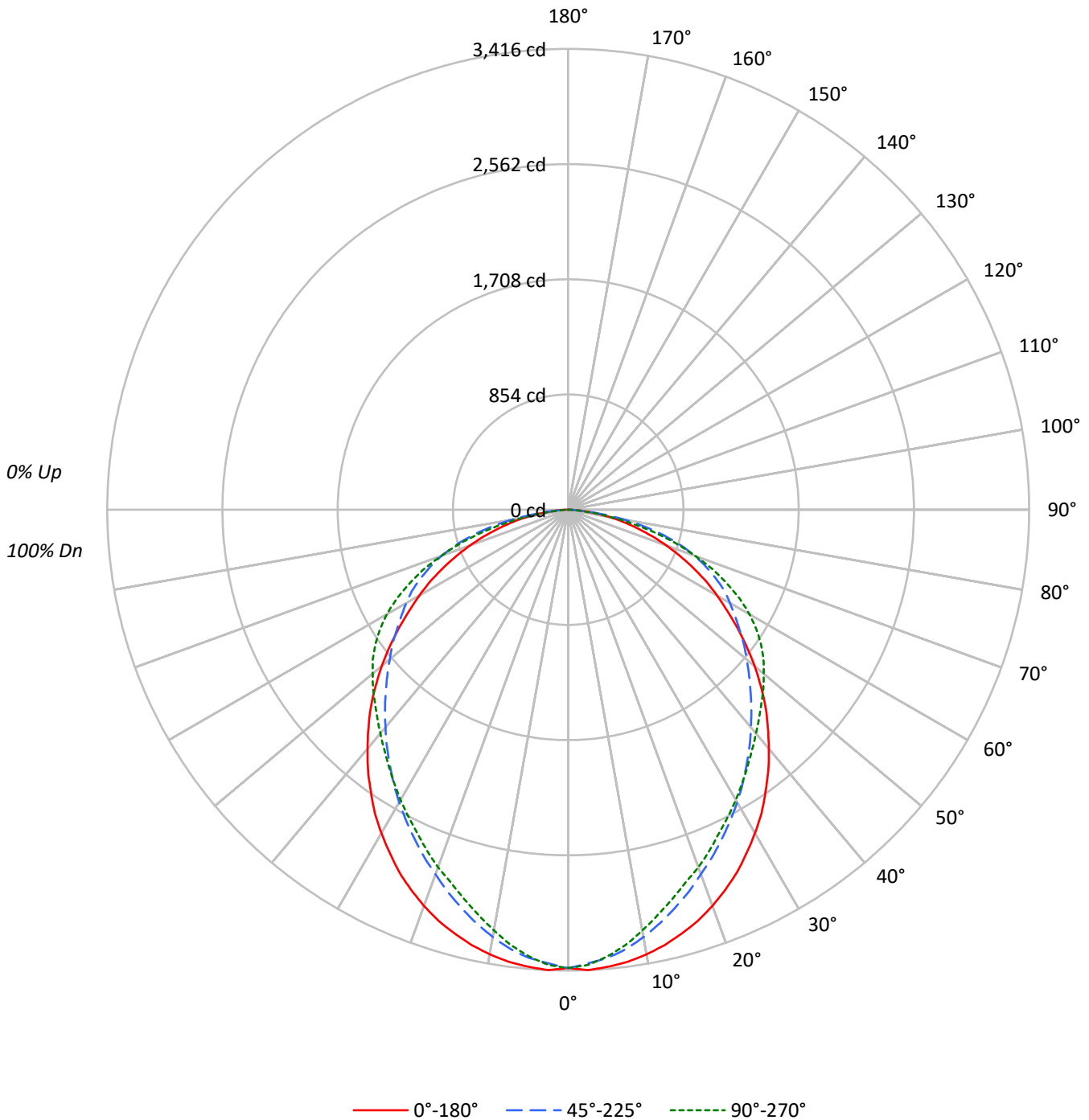
Test Method: LM-79-08  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 6RSRK-TB-150-HE-L835  
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3500K CCT WITH TRILOBE RIBBED LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8888.3 lumens  
Efficiency: N/A  
Efficacy: 201.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.1 / 1.26  
Luminous Opening: Rectangular (W 1' x L: 6' 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°	6096	6096	6096
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	4970	5568
65°	4346	5124	5518
70°	4061	5235	5246
75°	3645	5079	4700
80°	3190	4311	3491
85°	2396	2281	1474



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	316.7	3.6
10°-20°	871.3	9.8
20°-30°	1267.6	14.3
30°-40°	1482.6	16.7
40°-50°	1524.0	17.1
50°-60°	1417.8	16.0
60°-70°	1153.3	13.0
70°-80°	698.5	7.9
80°-90°	156.5	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°	2455.6	27.6
0°-40°	3938.2	44.3
0°-60°	6880.0	77.4
0°-90°	8888.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8888.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3398	3398	3398	3398	3398	
5°	3401	3381	3335	3342	3324	323
15°	3252	3183	3056	3011	2985	917
25°	2964	2838	2694	2667	2645	1363
35°	2550	2414	2305	2319	2318	1595
45°	2069	1936	1911	1995	2025	1592
55°	1533	1449	1550	1707	1745	1372
65°	1024	1005	1207	1303	1300	1013
75°	526	625	733	700	678	563
85°	116	160	111	81	72	142
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3397.8	3397.8	3397.8	3397.8	3397.8
2.5°	3415.7	3400.0	3366.4	3385.5	3377.6
5°	3401.1	3381.0	3335.1	3341.8	3323.9
7.5°	3379.9	3350.8	3284.8	3271.3	3255.7
10°	3346.3	3303.8	3216.5	3195.3	3166.2
12.5°	3304.9	3250.1	3140.4	3102.4	3075.5
15°	3252.3	3183.0	3056.5	3010.7	2984.9
17.5°	3195.3	3109.1	2969.3	2922.3	2895.4
20°	3124.8	3026.3	2875.3	2836.1	2820.5
22.5°	3046.5	2933.5	2788.0	2753.3	2735.4
25°	2963.7	2838.4	2694.0	2667.2	2644.8
27.5°	2866.3	2738.8	2598.9	2579.9	2564.3
30°	2769.0	2638.1	2505.0	2491.5	2484.8
32.5°	2666.1	2524.0	2406.5	2404.3	2400.9
35°	2549.7	2414.3	2304.7	2319.2	2318.1
37.5°	2436.7	2298.0	2208.5	2234.2	2239.8
40°	2312.5	2177.2	2105.6	2149.2	2164.9
42.5°	2190.6	2060.8	2009.3	2068.6	2094.4
45°	2068.6	1935.5	1910.9	1994.8	2025.0
47.5°	1935.5	1815.8	1818.0	1925.4	1961.2
50°	1803.5	1691.6	1725.2	1850.5	1891.9
52.5°	1667.0	1570.8	1641.3	1777.8	1824.7
55°	1532.7	1448.8	1549.5	1707.3	1745.3
57.5°	1398.5	1331.4	1465.6	1616.6	1654.7
60°	1273.2	1215.0	1385.1	1522.7	1551.8
62.5°	1153.5	1106.5	1305.6	1419.7	1434.3
65°	1023.7	1004.7	1207.2	1303.4	1300.0
67.5°	896.1	900.6	1106.5	1169.1	1163.5
70°	774.2	810.0	998.0	1023.7	1000.2
72.5°	648.9	716.0	871.5	869.3	845.8
75°	525.8	625.4	732.8	700.4	678.0
77.5°	419.5	528.1	581.8	537.0	501.2
80°	308.8	422.9	417.3	367.0	337.9
82.5°	202.5	294.2	258.4	208.1	194.7
85°	116.4	160.0	110.8	80.6	71.6
87.5°	49.2	42.5	28.0	25.7	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)