

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-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: 6RSRK-TB-150-HE-L830
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 3000K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

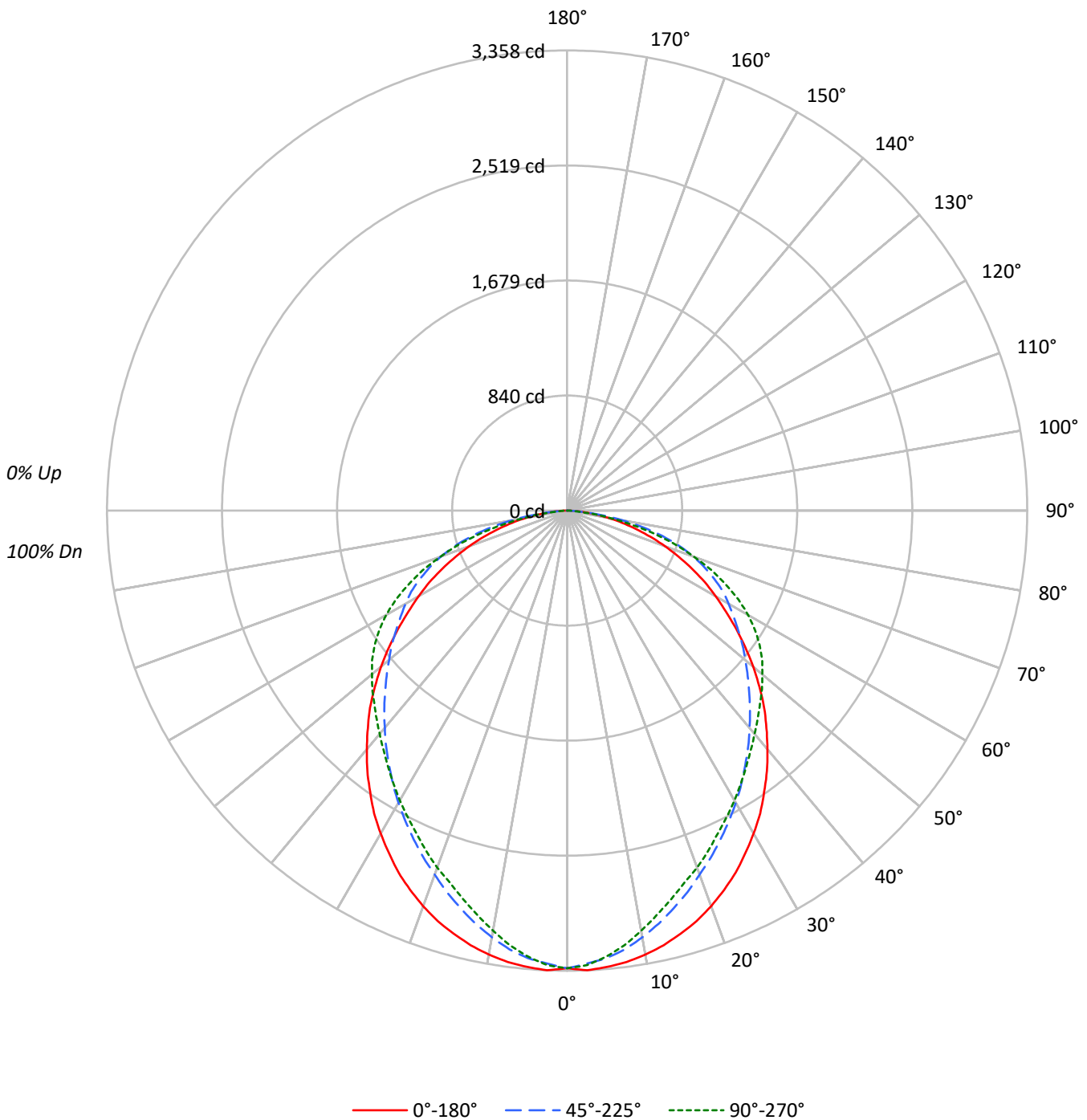
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8737.6 lumens
Efficiency: N/A
Efficacy: 197.7 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91		93	91	88		90	87	85	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	64	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	57	52		62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	41	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	49	41	36		47	40	35		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		43	37	32		42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29		40	33	29		39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26		37	31	26		36	30	26	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	5147
30°	5639	5101	5060
35°	5489	4962	4991
40°	5324	4847	4984
45°	5159	4766	5051
50°	4948	4733	5191
55°	4713	4764	5366
60°	4491	4885	5473
65°	4272	5037	5425
70°	3992	5146	5157
75°	3583	4993	4620
80°	3136	4238	3431
85°	2355	2242	1449



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	3.6
10°-20°	856.5	9.8
20°-30°	1246.1	14.3
30°-40°	1457.5	16.7
40°-50°	1498.1	17.1
50°-60°	1393.7	16.0
60°-70°	1133.7	13.0
70°-80°	686.7	7.9
80°-90°	153.8	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°	2414.0	27.6
0°-40°	3871.5	44.3
0°-60°	6763.3	77.4
0°-90°	8737.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8737.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3340	3340	3340	3340	3340	
5°	3343	3324	3279	3285	3268	317
15°	3197	3129	3005	2960	2934	902
25°	2913	2790	2648	2622	2600	1340
35°	2506	2373	2266	2280	2279	1568
45°	2034	1903	1878	1961	1991	1565
55°	1507	1424	1523	1678	1716	1349
65°	1006	988	1187	1281	1278	996
75°	517	615	720	688	666	554
85°	114	157	109	79	70	140
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3340.1	3340.1	3340.1	3340.1	3340.1
2.5°	3357.7	3342.3	3309.3	3328.0	3320.3
5°	3343.4	3323.6	3278.6	3285.1	3267.6
7.5°	3322.5	3293.9	3229.1	3215.9	3200.5
10°	3289.5	3247.8	3162.0	3141.1	3112.5
12.5°	3248.9	3195.0	3087.2	3049.8	3023.4
15°	3197.2	3129.0	3004.7	2959.6	2934.3
17.5°	3141.1	3056.4	2918.9	2872.7	2846.3
20°	3071.8	2975.0	2826.5	2788.0	2772.6
22.5°	2994.8	2883.7	2740.7	2706.6	2689.0
25°	2913.4	2790.2	2648.4	2622.0	2600.0
27.5°	2817.7	2692.3	2554.9	2536.2	2520.8
30°	2722.0	2593.4	2462.5	2449.3	2442.7
32.5°	2620.9	2481.2	2365.7	2363.5	2360.2
35°	2506.5	2373.4	2265.6	2279.9	2278.8
37.5°	2395.4	2259.0	2171.0	2196.3	2201.8
40°	2273.3	2140.2	2069.9	2112.7	2128.1
42.5°	2153.4	2025.9	1975.3	2033.6	2058.9
45°	2033.6	1902.7	1878.5	1961.0	1990.7
47.5°	1902.7	1785.0	1787.2	1892.8	1928.0
50°	1772.9	1662.9	1695.9	1819.1	1859.8
52.5°	1638.7	1544.1	1613.4	1747.6	1793.8
55°	1506.7	1424.3	1523.2	1678.3	1715.7
57.5°	1374.8	1308.8	1440.8	1589.2	1626.6
60°	1251.6	1194.4	1361.6	1496.8	1525.4
62.5°	1133.9	1087.7	1283.5	1395.7	1410.0
65°	1006.3	987.6	1186.7	1281.3	1278.0
67.5°	881.0	885.4	1087.7	1149.3	1143.8
70°	761.1	796.3	981.0	1006.3	983.2
72.5°	637.9	703.9	856.8	854.6	831.5
75°	516.9	614.8	720.4	688.5	666.5
77.5°	412.4	519.1	571.9	527.9	492.7
80°	303.5	415.7	410.2	360.7	332.1
82.5°	199.1	289.3	254.1	204.6	191.4
85°	114.4	157.3	108.9	79.2	70.4
87.5°	48.4	41.8	27.5	25.3	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)