

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-L935**

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-L935
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE RIBBED LENS
Light Source: -
Ballast/Driver: -

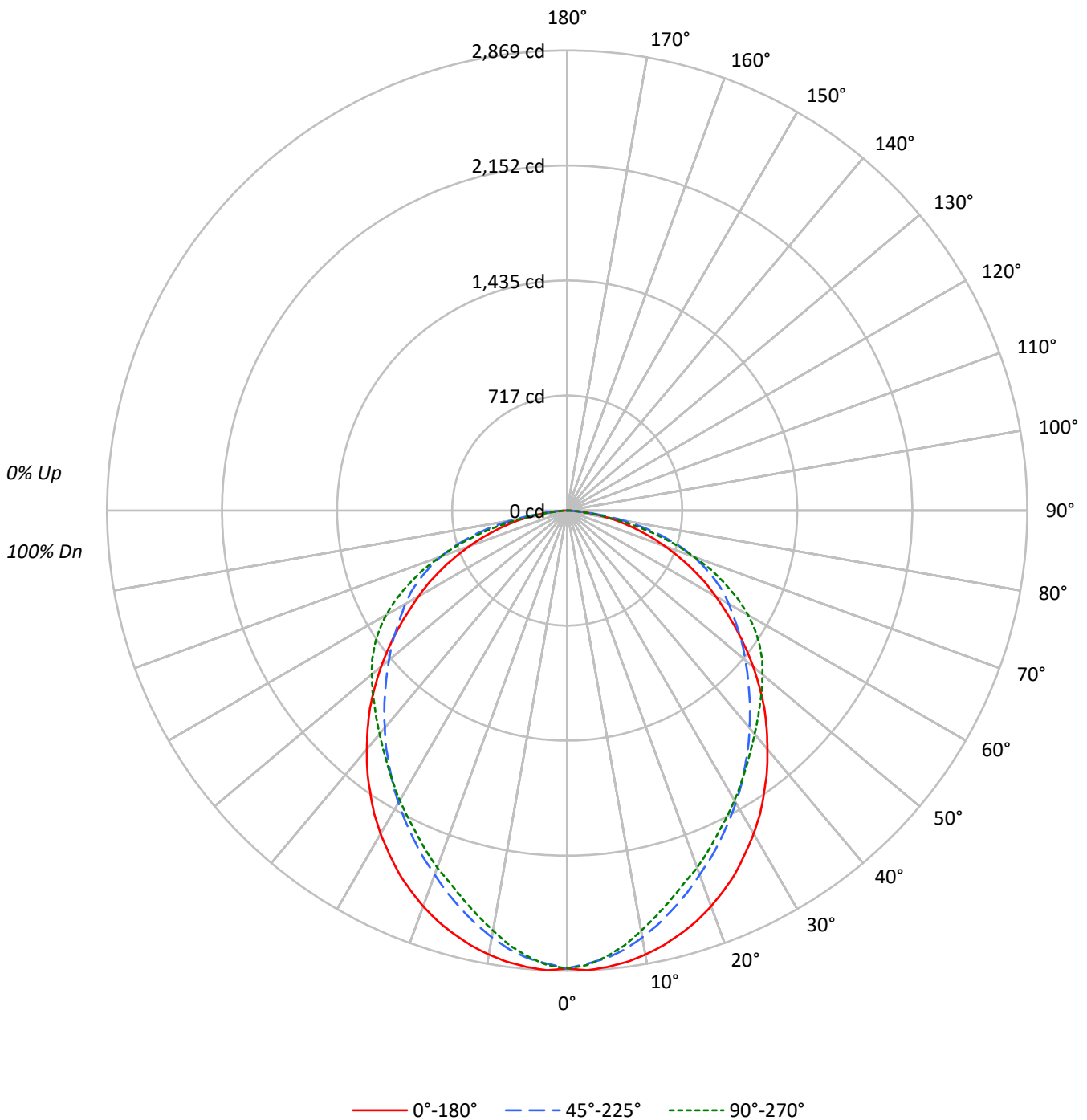
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7466.1 lumens
Efficiency: N/A
Efficacy: 168.9 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°	5120	5120	5120
5°	5145	5045	5028
10°	5121	4922	4845
15°	5074	4769	4657
20°	5011	4611	4523
25°	4928	4479	4398
30°	4818	4359	4324
35°	4691	4240	4264
40°	4549	4142	4259
45°	4409	4072	4316
50°	4228	4044	4435
55°	4027	4071	4586
60°	3837	4174	4677
65°	3650	4304	4635
70°	3411	4397	4407
75°	3062	4267	3947
80°	2680	3621	2932
85°	2011	1914	1237



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.0	3.6
10°-20°	731.9	9.8
20°-30°	1064.8	14.3
30°-40°	1245.4	16.7
40°-50°	1280.1	17.1
50°-60°	1190.9	16.0
60°-70°	968.7	13.0
70°-80°	586.8	7.9
80°-90°	131.4	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°	2062.7	27.6
0°-40°	3308.1	44.3
0°-60°	5779.2	77.4
0°-90°	7466.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7466.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2854	2854	2854	2854	2854	
5°	2857	2840	2802	2807	2792	271
15°	2732	2674	2568	2529	2507	770
25°	2490	2384	2263	2240	2222	1145
35°	2142	2028	1936	1948	1947	1340
45°	1738	1626	1605	1676	1701	1338
55°	1288	1217	1302	1434	1466	1152
65°	860	844	1014	1095	1092	851
75°	442	525	616	588	570	473
85°	98	134	93	68	60	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2854.1	2854.1	2854.1	2854.1	2854.1
2.5°	2869.2	2856.0	2827.8	2843.8	2837.2
5°	2856.9	2840.0	2801.5	2807.1	2792.1
7.5°	2839.1	2814.6	2759.2	2747.9	2734.8
10°	2810.9	2775.2	2701.9	2684.0	2659.6
12.5°	2776.1	2730.1	2638.0	2606.0	2583.5
15°	2731.9	2673.7	2567.5	2529.0	2507.3
17.5°	2684.0	2611.7	2494.2	2454.7	2432.2
20°	2624.8	2542.1	2415.2	2382.3	2369.2
22.5°	2559.0	2464.1	2341.9	2312.8	2297.8
25°	2489.5	2384.2	2263.0	2240.4	2221.6
27.5°	2407.7	2300.6	2183.1	2167.1	2154.0
30°	2326.0	2216.0	2104.2	2092.9	2087.3
32.5°	2239.5	2120.1	2021.5	2019.6	2016.8
35°	2141.8	2028.0	1936.0	1948.2	1947.2
37.5°	2046.8	1930.3	1855.1	1876.7	1881.4
40°	1942.5	1828.8	1768.7	1805.3	1818.5
42.5°	1840.1	1731.1	1687.8	1737.7	1759.3
45°	1737.7	1625.8	1605.1	1675.6	1701.0
47.5°	1625.8	1525.3	1527.1	1617.4	1647.4
50°	1514.9	1420.9	1449.1	1554.4	1589.2
52.5°	1400.3	1319.5	1378.7	1493.3	1532.8
55°	1287.5	1217.0	1301.6	1434.1	1466.1
57.5°	1174.7	1118.3	1231.1	1358.0	1389.9
60°	1069.5	1020.6	1163.4	1279.0	1303.5
62.5°	968.9	929.4	1096.7	1192.6	1204.8
65°	859.9	843.9	1014.0	1094.8	1092.0
67.5°	752.8	756.5	929.4	982.1	977.4
70°	650.3	680.4	838.3	859.9	840.2
72.5°	545.1	601.5	732.1	730.2	710.5
75°	441.7	525.3	615.6	588.3	569.5
77.5°	352.4	443.6	488.7	451.1	421.0
80°	259.4	355.2	350.5	308.2	283.8
82.5°	170.1	247.2	217.1	174.8	163.5
85°	97.7	134.4	93.0	67.7	60.1
87.5°	41.4	35.7	23.5	21.6	19.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)