

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-TS-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 (G3-1810-975-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-TS-150-HE-L935
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

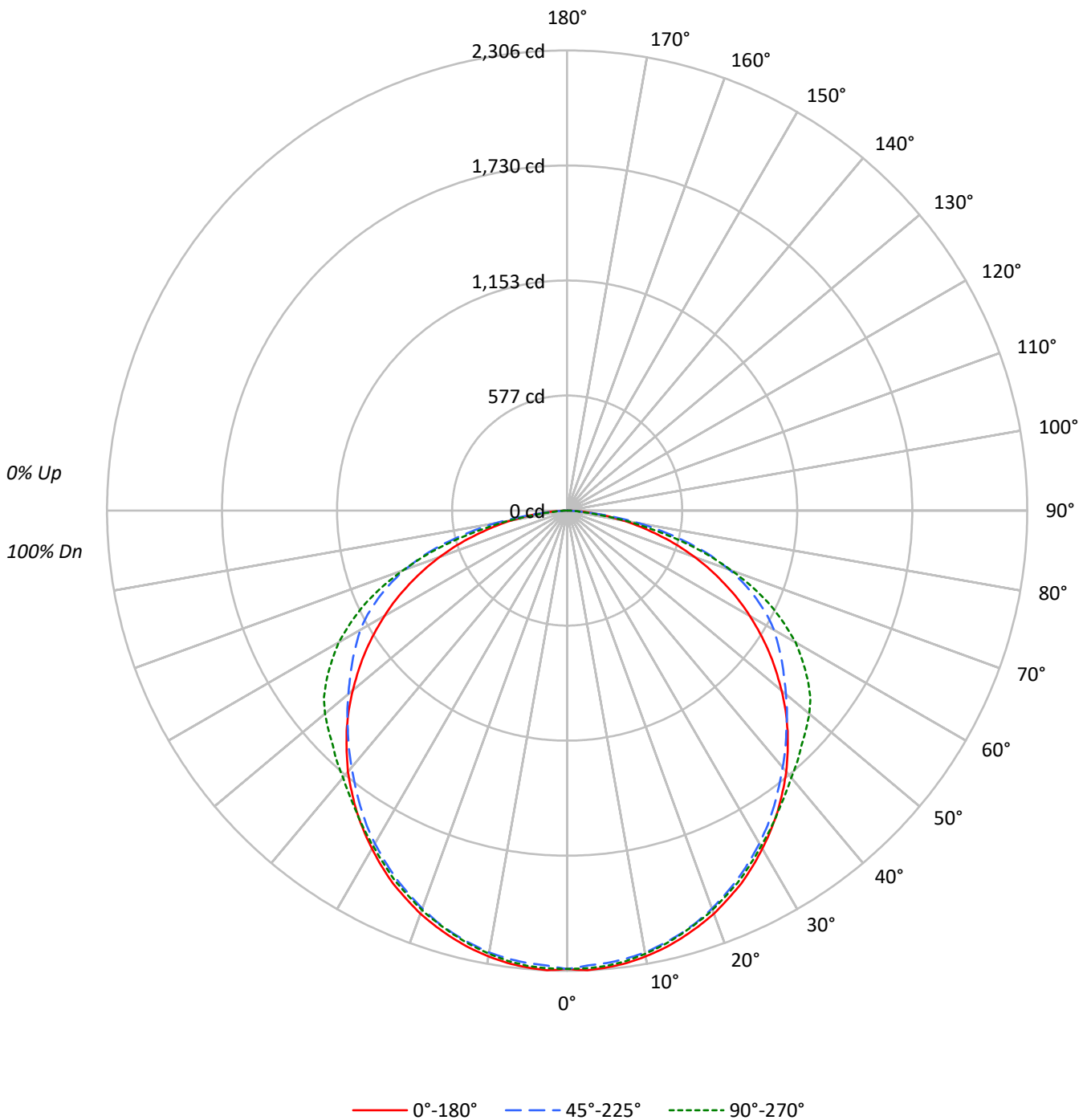
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7072.1 lumens
Efficiency: N/A
Efficacy: 160.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.26 / 1.39
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	108	103	99	95	105	101	97	93	97	93	90	93	90	87	89	87	85	83
2	98	89	82	76	95	87	81	75	84	78	73	80	76	72	77	73	70	68
3	89	78	69	62	86	76	68	62	73	66	61	70	65	60	68	63	59	56
4	81	69	59	52	79	67	59	52	65	57	51	62	56	51	60	54	50	48
5	74	61	52	45	72	60	51	45	58	50	44	56	49	44	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	49	42	38	36
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	36	30	57	44	36	30	43	36	30	42	35	30	41	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	39	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4121	4121	4121
5°	4139	4099	4123
10°	4133	4097	4108
15°	4119	4078	4085
20°	4104	4052	4066
25°	4083	4022	4047
30°	4053	3991	4024
35°	4029	3959	4035
40°	4001	3935	4091
45°	3964	3942	4215
50°	3914	3994	4423
55°	3864	4108	4600
60°	3796	4294	4743
65°	3703	4439	4781
70°	3562	4536	4595
75°	3281	4388	4105
80°	2906	3776	3149
85°	2091	1912	1249



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.5	3.1
10°-20°	622.5	8.8
20°-30°	942.6	13.3
30°-40°	1143.3	16.2
40°-50°	1223.1	17.3
50°-60°	1185.4	16.8
60°-70°	992.8	14.0
70°-80°	610.1	8.6
80°-90°	134.7	1.9
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°	1782.7	25.2
0°-40°	2926.0	41.4
0°-60°	5334.5	75.4
0°-90°	7072.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7072.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2297	2297	2297	2297	2297	
5°	2298	2293	2276	2291	2290	218
15°	2218	2213	2196	2205	2199	626
25°	2063	2050	2032	2046	2044	950
35°	1840	1816	1808	1839	1842	1151
45°	1562	1529	1554	1633	1662	1205
55°	1235	1202	1313	1443	1471	1103
65°	872	867	1046	1116	1126	863
75°	473	553	633	606	592	504
85°	102	136	93	64	61	128
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2297.1	2297.1	2297.1	2297.1	2297.1
2.5°	2305.8	2299.6	2282.2	2297.1	2295.9
5°	2298.3	2293.4	2276.0	2290.9	2289.7
7.5°	2287.2	2282.2	2264.9	2279.8	2276.0
10°	2268.6	2264.9	2248.8	2259.9	2255.0
12.5°	2246.3	2242.6	2224.0	2236.4	2230.2
15°	2217.8	2212.8	2195.5	2205.4	2199.2
17.5°	2185.6	2179.4	2162.1	2172.0	2165.8
20°	2149.7	2141.0	2122.4	2136.0	2129.8
22.5°	2106.3	2100.1	2077.8	2092.7	2086.5
25°	2062.9	2050.5	2032.0	2045.6	2044.3
27.5°	2010.9	1998.5	1979.9	1996.0	1993.5
30°	1956.4	1942.7	1926.6	1942.7	1942.7
32.5°	1899.4	1882.0	1869.6	1888.2	1894.4
35°	1839.9	1816.4	1807.7	1838.7	1842.4
37.5°	1774.2	1750.7	1743.3	1784.2	1794.1
40°	1708.6	1678.8	1680.1	1732.1	1747.0
42.5°	1635.5	1605.7	1619.4	1680.1	1707.3
45°	1562.4	1528.9	1553.7	1633.0	1661.5
47.5°	1485.6	1453.3	1494.2	1587.2	1623.1
50°	1402.5	1370.3	1431.0	1543.8	1584.7
52.5°	1318.3	1284.8	1370.3	1499.2	1536.4
55°	1235.3	1201.8	1313.3	1443.4	1470.7
57.5°	1146.1	1117.6	1253.9	1370.3	1397.6
60°	1058.1	1033.3	1196.9	1296.0	1322.0
62.5°	967.7	949.1	1127.5	1210.5	1225.4
65°	872.3	867.3	1045.7	1116.3	1126.2
67.5°	776.9	789.2	961.5	1007.3	1008.5
70°	679.0	712.4	864.8	884.6	876.0
72.5°	579.9	638.1	758.3	748.4	740.9
75°	473.3	552.6	633.1	605.9	592.2
77.5°	376.7	465.9	499.3	460.9	439.8
80°	281.3	368.0	365.5	315.9	304.8
82.5°	189.6	256.5	219.3	178.4	156.1
85°	101.6	136.3	92.9	64.4	60.7
87.5°	38.4	32.2	24.8	22.3	22.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)