

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-65-HE-L950**

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-65-HE-L950
Description: 6ft RSRK, 650 LUMEN PER FOOT 90CRI 5000K CCT WITH TRILOBE SMOOTH LENS
Light Source: -
Ballast/Driver: -

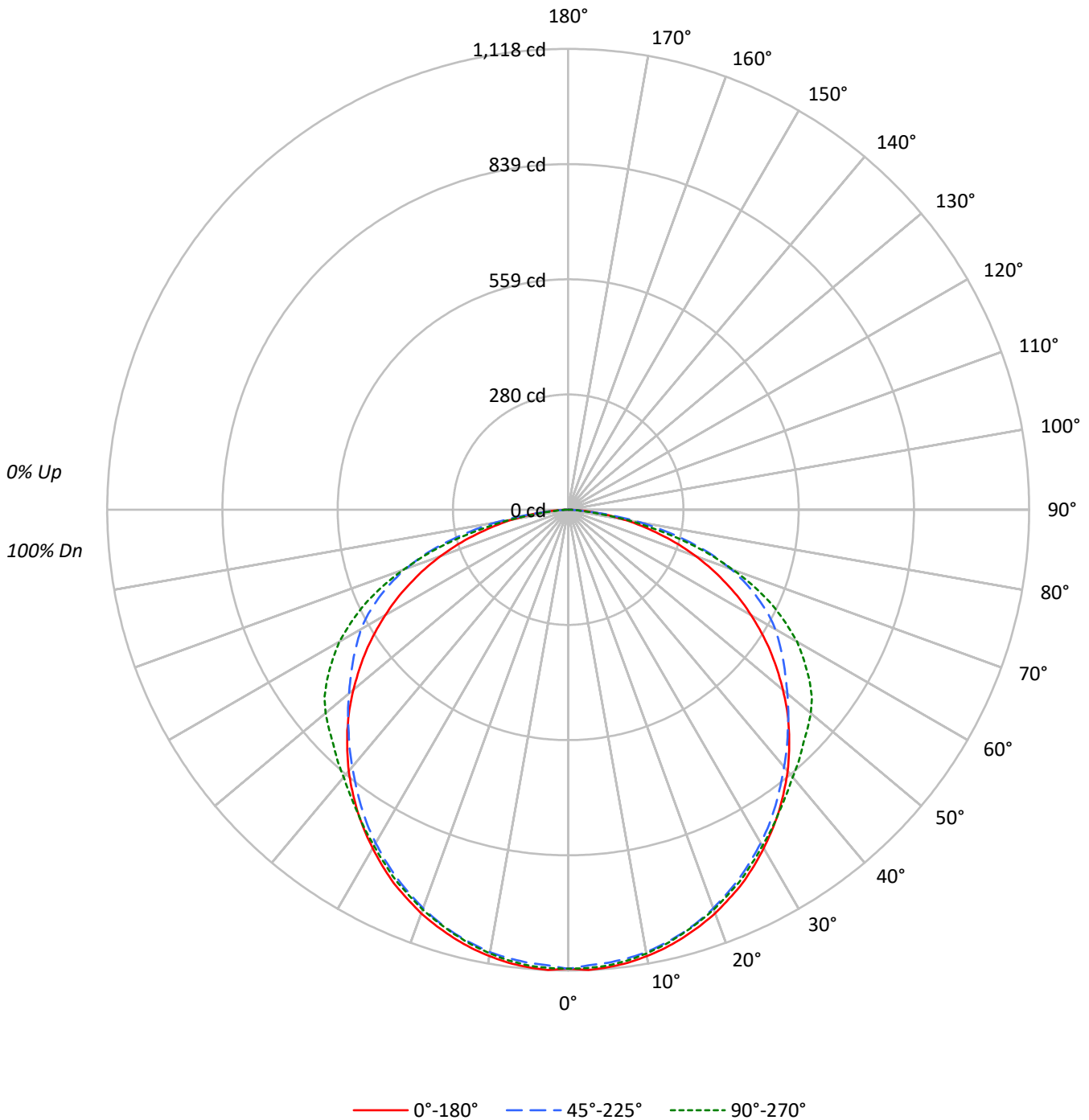
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3428.3 lumens
Efficiency: N/A
Efficacy: 181.4 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): 18.9
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°	1998	1998	1998
5°	2006	1987	1999
10°	2003	1986	1991
15°	1997	1977	1980
20°	1989	1964	1971
25°	1979	1950	1962
30°	1965	1935	1951
35°	1953	1919	1956
40°	1940	1907	1983
45°	1922	1911	2043
50°	1898	1936	2144
55°	1873	1991	2230
60°	1840	2082	2300
65°	1795	2152	2318
70°	1726	2199	2227
75°	1590	2127	1990
80°	1408	1831	1527
85°	1015	926	605



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.4	3.1
10°-20°	301.8	8.8
20°-30°	457.0	13.3
30°-40°	554.2	16.2
40°-50°	592.9	17.3
50°-60°	574.7	16.8
60°-70°	481.3	14.0
70°-80°	295.7	8.6
80°-90°	65.3	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°	864.2	25.2
0°-40°	1418.4	41.4
0°-60°	2586.0	75.4
0°-90°	3428.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3428.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1114	1114	1114	1114	1114	
5°	1114	1112	1103	1110	1110	106
15°	1075	1073	1064	1069	1066	303
25°	1000	994	985	992	991	461
35°	892	880	876	891	893	558
45°	757	741	753	792	805	584
55°	599	583	637	700	713	535
65°	423	420	507	541	546	418
75°	229	268	307	294	287	244
85°	49	66	45	31	29	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1113.6	1113.6	1113.6	1113.6	1113.6
2.5°	1117.8	1114.8	1106.3	1113.6	1112.9
5°	1114.2	1111.7	1103.3	1110.5	1109.9
7.5°	1108.7	1106.3	1097.9	1105.1	1103.3
10°	1099.7	1097.9	1090.1	1095.5	1093.1
12.5°	1088.9	1087.1	1078.1	1084.1	1081.1
15°	1075.1	1072.7	1064.3	1069.1	1066.1
17.5°	1059.5	1056.5	1048.1	1052.9	1049.9
20°	1042.1	1037.9	1028.9	1035.5	1032.5
22.5°	1021.1	1018.1	1007.2	1014.4	1011.4
25°	1000.0	994.0	985.0	991.6	991.0
27.5°	974.8	968.8	959.8	967.6	966.4
30°	948.4	941.8	934.0	941.8	941.8
32.5°	920.8	912.3	906.3	915.3	918.3
35°	891.9	880.5	876.3	891.3	893.1
37.5°	860.1	848.7	845.1	864.9	869.7
40°	828.3	813.8	814.4	839.7	846.9
42.5°	792.8	778.4	785.0	814.4	827.7
45°	757.4	741.2	753.2	791.6	805.4
47.5°	720.1	704.5	724.3	769.4	786.8
50°	679.9	664.3	693.7	748.4	768.2
52.5°	639.1	622.8	664.3	726.8	744.8
55°	598.8	582.6	636.7	699.7	712.9
57.5°	555.6	541.8	607.8	664.3	677.5
60°	512.9	500.9	580.2	628.2	640.9
62.5°	469.1	460.1	546.6	586.8	594.0
65°	422.8	420.4	506.9	541.2	546.0
67.5°	376.6	382.6	466.1	488.3	488.9
70°	329.1	345.4	419.2	428.8	424.6
72.5°	281.1	309.3	367.6	362.8	359.2
75°	229.4	267.9	306.9	293.7	287.1
77.5°	182.6	225.8	242.1	223.4	213.2
80°	136.3	178.4	177.2	153.2	147.8
82.5°	91.9	124.3	106.3	86.5	75.7
85°	49.3	66.1	45.0	31.2	29.4
87.5°	18.6	15.6	12.0	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)