

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-150-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-150-HE-L950
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

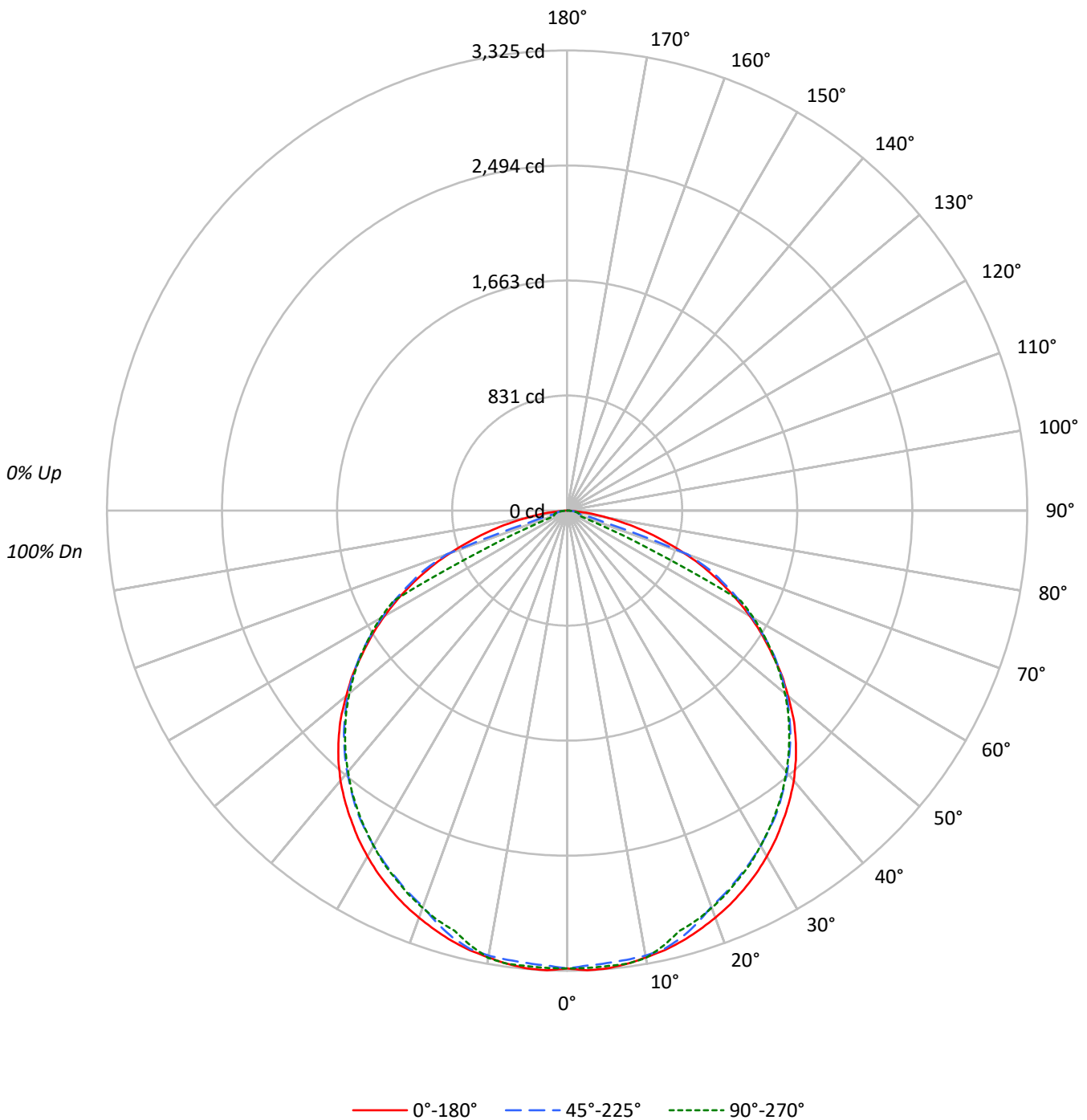
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9106.6 lumens
Efficiency: N/A
Efficacy: 206.0 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
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	110	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5935	5935	5935
5°	5980	5911	5949
10°	5972	5949	5980
15°	5979	5932	5838
20°	5976	5815	5831
25°	5979	5795	5812
30°	5977	5793	5793
35°	5968	5801	5783
40°	5966	5788	5768
45°	5927	5788	5756
50°	5813	5778	5730
55°	5656	5708	5682
60°	5472	5533	5593
65°	5183	5326	2815
70°	4742	4853	532
75°	4071	586	644
80°	3055	742	742
85°	1564	782	696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.3	3.5
10°-20°	900.3	9.9
20°-30°	1368.6	15.0
30°-40°	1667.1	18.3
40°-50°	1764.1	19.4
50°-60°	1618.1	17.8
60°-70°	1091.4	12.0
70°-80°	329.9	3.6
80°-90°	52.8	0.6
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°	2583.2	28.4
0°-40°	4250.3	46.7
0°-60°	7632.6	83.8
0°-90°	9106.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9106.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3308	3308	3308	3308	3308	
5°	3321	3295	3282	3312	3304	315
15°	3219	3202	3194	3168	3143	909
25°	3021	3016	2928	2957	2936	1393
35°	2725	2666	2649	2657	2640	1706
45°	2336	2281	2281	2286	2269	1799
55°	1808	1783	1825	1825	1817	1618
65°	1221	1204	1255	1272	663	1205
75°	587	592	84	93	93	622
85°	76	38	38	34	34	116
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3308.0	3308.0	3308.0	3308.0	3308.0
2.5°	3324.9	3299.4	3291.1	3312.2	3308.0
5°	3320.6	3295.3	3282.5	3312.2	3303.7
7.5°	3303.7	3278.4	3274.2	3308.0	3303.7
10°	3278.4	3261.5	3265.6	3295.3	3282.5
12.5°	3253.0	3236.1	3244.6	3236.1	3219.2
15°	3219.2	3202.3	3193.9	3168.5	3143.2
17.5°	3177.0	3168.5	3126.3	3117.8	3105.2
20°	3130.5	3130.5	3046.0	3071.4	3054.5
22.5°	3079.8	3079.8	2991.1	3016.4	2999.5
25°	3020.7	3016.4	2927.7	2957.3	2936.2
27.5°	2957.3	2936.2	2864.3	2889.7	2872.8
30°	2885.5	2847.4	2796.7	2813.6	2796.7
32.5°	2809.4	2754.5	2724.9	2737.6	2720.7
35°	2724.9	2665.8	2648.9	2657.3	2640.4
37.5°	2640.4	2577.1	2560.2	2572.8	2555.9
40°	2547.5	2488.3	2471.4	2479.9	2463.0
42.5°	2446.1	2395.5	2378.6	2382.7	2370.0
45°	2336.2	2281.3	2281.3	2285.5	2268.6
47.5°	2217.9	2171.5	2175.8	2179.9	2167.2
50°	2082.7	2048.9	2070.1	2074.4	2053.2
52.5°	1956.1	1922.3	1947.5	1956.1	1939.2
55°	1808.2	1782.8	1825.1	1825.1	1816.6
57.5°	1668.8	1643.4	1685.7	1702.6	1689.9
60°	1525.1	1499.8	1542.0	1571.6	1558.9
62.5°	1373.0	1351.9	1402.6	1440.6	1415.3
65°	1220.9	1204.0	1254.7	1271.6	663.2
67.5°	1064.6	1051.9	1111.1	401.4	105.6
70°	904.1	891.5	925.3	101.4	101.4
72.5°	739.4	743.5	295.7	97.2	97.2
75°	587.3	591.5	84.5	92.9	92.9
77.5°	435.2	443.5	80.3	84.5	84.5
80°	295.7	215.5	71.8	71.8	71.8
82.5°	177.4	50.7	54.9	54.9	50.7
85°	76.0	38.0	38.0	33.8	33.8
87.5°	25.3	16.9	16.9	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)