

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-L850**

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-L850
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

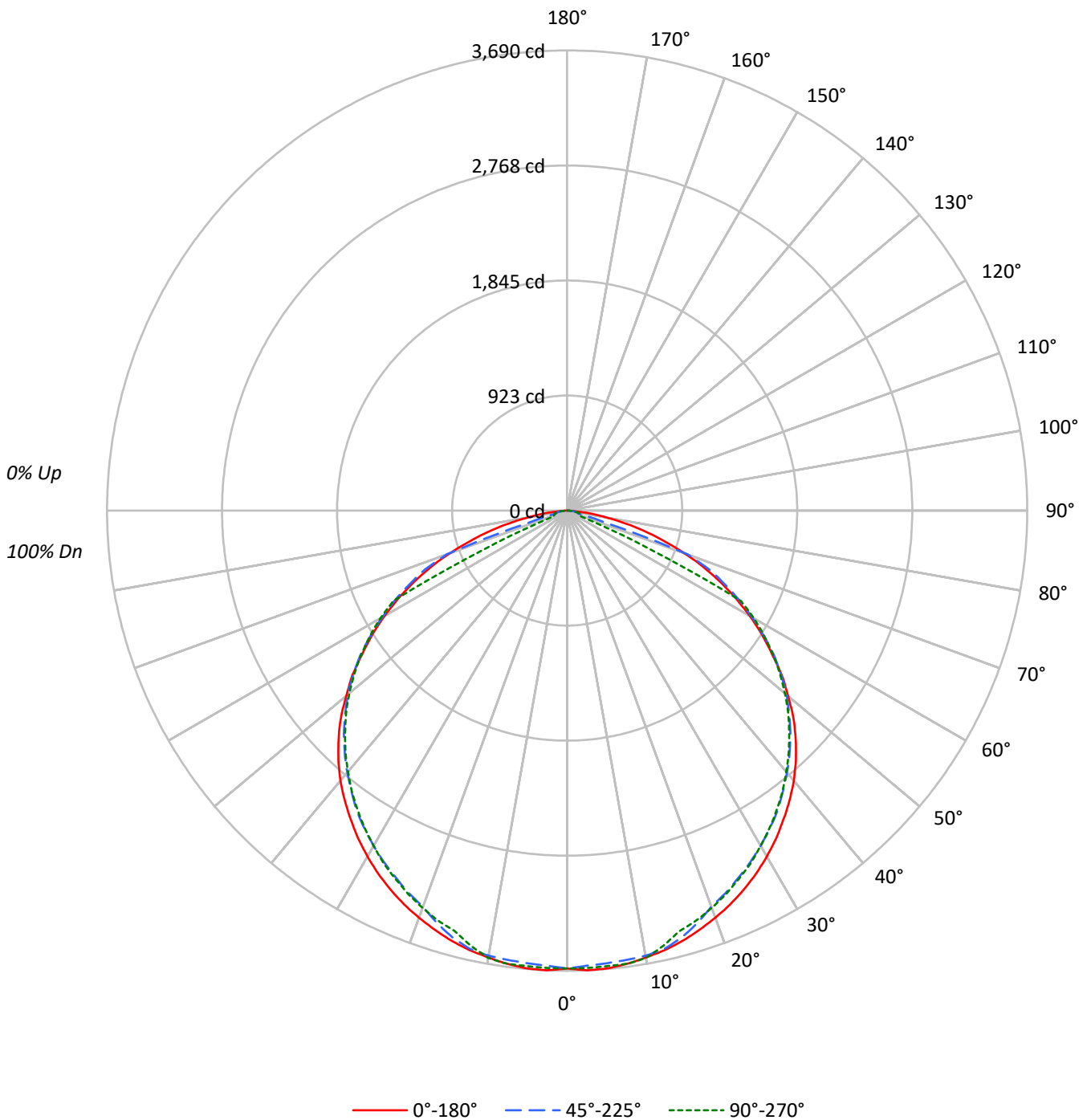
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10107.2 lumens
Efficiency: N/A
Efficacy: 228.7 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

TEST NUMBER: P#
CATALOG NUMBER: 6RSRK-150-HE-L850

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°	6587	6587	6587
5°	6637	6561	6603
10°	6628	6603	6637
15°	6636	6584	6479
20°	6633	6454	6472
25°	6636	6432	6451
30°	6634	6430	6430
35°	6623	6439	6418
40°	6622	6424	6402
45°	6578	6424	6388
50°	6452	6412	6360
55°	6277	6336	6306
60°	6073	6140	6208
65°	5752	5911	3125
70°	5263	5386	590
75°	4518	650	715
80°	3391	823	823
85°	1737	867	772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.8	3.5
10°-20°	999.2	9.9
20°-30°	1519.0	15.0
30°-40°	1850.3	18.3
40°-50°	1957.9	19.4
50°-60°	1795.9	17.8
60°-70°	1211.3	12.0
70°-80°	366.1	3.6
80°-90°	58.6	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°	2867.0	28.4
0°-40°	4717.4	46.7
0°-60°	8471.2	83.8
0°-90°	10107.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10107.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3672	3672	3672	3672	3672	
5°	3686	3657	3643	3676	3667	350
15°	3573	3554	3545	3517	3488	1009
25°	3353	3348	3249	3282	3259	1546
35°	3024	2959	2940	2949	2930	1894
45°	2593	2532	2532	2537	2518	1996
55°	2007	1979	2026	2026	2016	1796
65°	1355	1336	1392	1411	736	1338
75°	652	656	94	103	103	691
85°	84	42	42	38	38	129
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3671.5	3671.5	3671.5	3671.5	3671.5
2.5°	3690.2	3662.0	3652.7	3676.1	3671.5
5°	3685.5	3657.3	3643.2	3676.1	3666.7
7.5°	3666.7	3638.6	3634.0	3671.5	3666.7
10°	3638.6	3619.8	3624.5	3657.3	3643.2
12.5°	3610.5	3591.7	3601.1	3591.7	3572.9
15°	3572.9	3554.2	3544.8	3516.7	3488.5
17.5°	3526.1	3516.7	3469.8	3460.4	3446.4
20°	3474.4	3474.4	3380.6	3408.9	3390.1
22.5°	3418.2	3418.2	3319.7	3347.9	3329.1
25°	3352.6	3347.9	3249.4	3282.2	3258.8
27.5°	3282.2	3258.8	3179.1	3207.2	3188.5
30°	3202.6	3160.3	3104.1	3122.8	3104.1
32.5°	3118.1	3057.2	3024.3	3038.4	3019.6
35°	3024.3	2958.7	2940.0	2949.3	2930.5
37.5°	2930.5	2860.2	2841.5	2855.5	2836.7
40°	2827.5	2761.7	2742.9	2752.4	2733.7
42.5°	2714.9	2658.7	2639.9	2644.5	2630.4
45°	2592.9	2532.0	2532.0	2536.6	2517.9
47.5°	2461.6	2410.1	2414.8	2419.5	2405.3
50°	2311.6	2274.1	2297.6	2302.3	2278.8
52.5°	2171.0	2133.5	2161.5	2171.0	2152.3
55°	2006.8	1978.7	2025.6	2025.6	2016.2
57.5°	1852.2	1823.9	1870.9	1889.7	1875.6
60°	1692.6	1664.6	1711.4	1744.3	1730.1
62.5°	1523.8	1500.4	1556.7	1598.9	1570.8
65°	1355.0	1336.3	1392.5	1411.3	736.1
67.5°	1181.6	1167.5	1233.2	445.5	117.2
70°	1003.4	989.4	1026.9	112.5	112.5
72.5°	820.6	825.2	328.2	107.9	107.9
75°	651.8	656.4	93.8	103.2	103.2
77.5°	483.0	492.3	89.1	93.8	93.8
80°	328.2	239.2	79.7	79.7	79.7
82.5°	196.9	56.3	60.9	60.9	56.3
85°	84.4	42.1	42.1	37.5	37.5
87.5°	28.1	18.8	18.8	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)