

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-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 (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-150-HE-L935
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3500K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

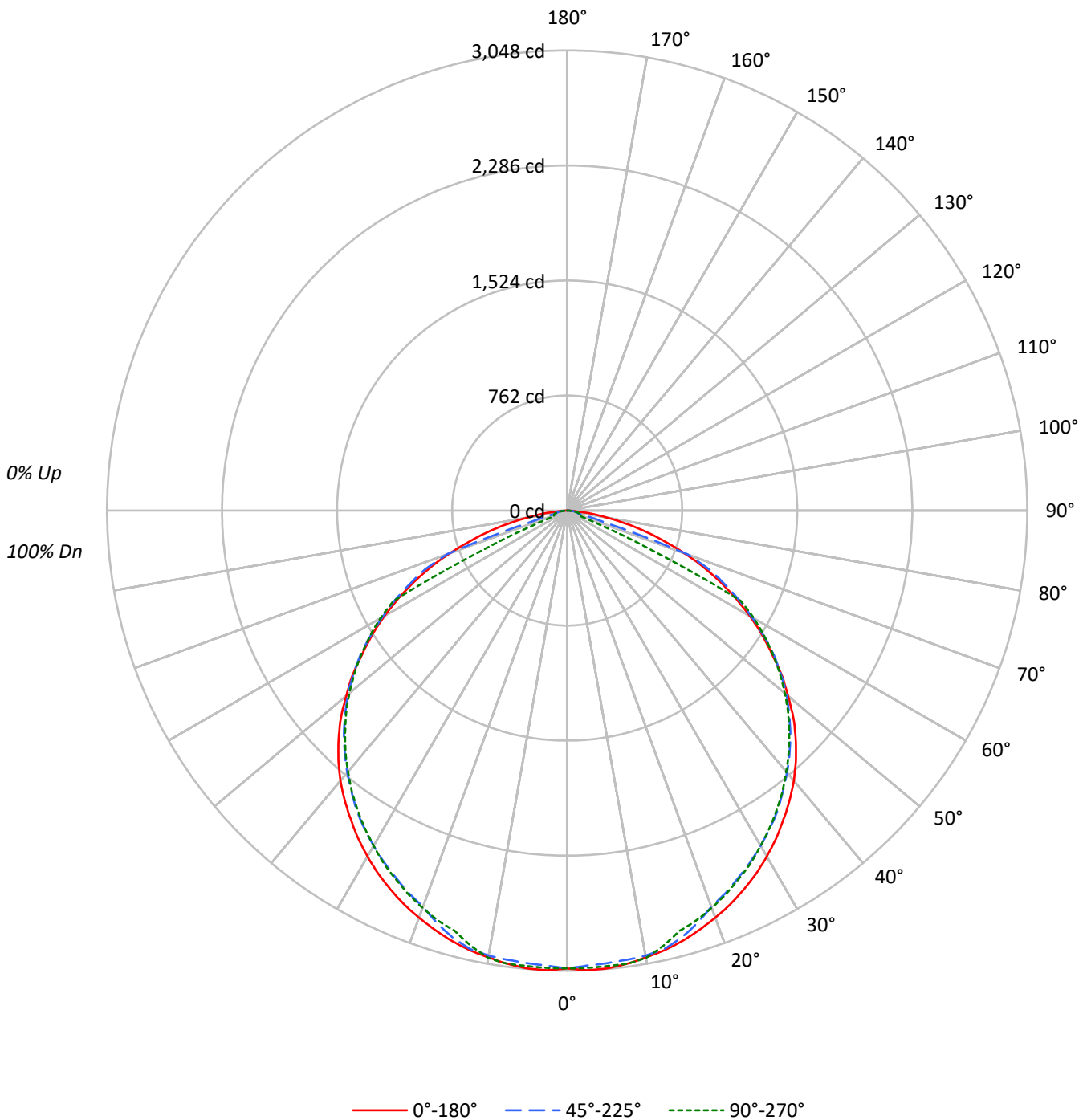
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8348.5 lumens
Efficiency: N/A
Efficacy: 188.9 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-L935

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°	5440	5440	5440
5°	5482	5419	5454
10°	5475	5454	5482
15°	5481	5438	5352
20°	5479	5331	5346
25°	5481	5313	5328
30°	5480	5311	5311
35°	5471	5318	5301
40°	5469	5306	5288
45°	5434	5306	5277
50°	5329	5297	5253
55°	5185	5233	5209
60°	5016	5072	5128
65°	4751	4883	2581
70°	4347	4449	488
75°	3732	537	591
80°	2801	680	680
85°	1435	716	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.1	3.5
10°-20°	825.3	9.9
20°-30°	1254.7	15.0
30°-40°	1528.4	18.3
40°-50°	1617.2	19.4
50°-60°	1483.4	17.8
60°-70°	1000.6	12.0
70°-80°	302.4	3.6
80°-90°	48.4	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°	2368.1	28.4
0°-40°	3896.5	46.7
0°-60°	6997.1	83.8
0°-90°	8348.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8348.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3033	3033	3033	3033	3033	
5°	3044	3021	3009	3036	3029	289
15°	2951	2936	2928	2905	2882	833
25°	2769	2765	2684	2711	2692	1277
35°	2498	2444	2428	2436	2421	1564
45°	2142	2091	2091	2095	2080	1649
55°	1658	1634	1673	1673	1665	1484
65°	1119	1104	1150	1166	608	1105
75°	538	542	78	85	85	570
85°	70	35	35	31	31	106
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3032.6	3032.6	3032.6	3032.6	3032.6
2.5°	3048.1	3024.8	3017.1	3036.4	3032.6
5°	3044.2	3020.9	3009.3	3036.4	3028.7
7.5°	3028.7	3005.4	3001.6	3032.6	3028.7
10°	3005.4	2990.0	2993.8	3020.9	3009.3
12.5°	2982.2	2966.7	2974.5	2966.7	2951.2
15°	2951.2	2935.7	2928.0	2904.7	2881.5
17.5°	2912.5	2904.7	2866.0	2858.3	2846.7
20°	2869.8	2869.8	2792.4	2815.7	2800.2
22.5°	2823.4	2823.4	2742.1	2765.3	2749.8
25°	2769.2	2765.3	2683.9	2711.1	2691.8
27.5°	2711.1	2691.8	2625.9	2649.1	2633.6
30°	2645.3	2610.4	2563.9	2579.4	2563.9
32.5°	2575.5	2525.2	2498.0	2509.7	2494.2
35°	2498.0	2443.9	2428.4	2436.1	2420.6
37.5°	2420.6	2362.5	2347.0	2358.6	2343.1
40°	2335.5	2281.1	2265.7	2273.5	2258.0
42.5°	2242.5	2196.0	2180.5	2184.4	2172.7
45°	2141.7	2091.4	2091.4	2095.2	2079.8
47.5°	2033.3	1990.7	1994.6	1998.5	1986.8
50°	1909.3	1878.4	1897.8	1901.7	1882.3
52.5°	1793.2	1762.3	1785.4	1793.2	1777.8
55°	1657.6	1634.4	1673.1	1673.1	1665.4
57.5°	1529.9	1506.6	1545.4	1560.9	1549.2
60°	1398.1	1375.0	1413.6	1440.8	1429.1
62.5°	1258.7	1239.4	1285.8	1320.6	1297.5
65°	1119.3	1103.8	1150.2	1165.7	608.0
67.5°	976.0	964.3	1018.6	368.0	96.8
70°	828.8	817.2	848.2	93.0	93.0
72.5°	677.8	681.6	271.1	89.1	89.1
75°	538.4	542.2	77.5	85.2	85.2
77.5°	399.0	406.6	73.6	77.5	77.5
80°	271.1	197.6	65.8	65.8	65.8
82.5°	162.7	46.5	50.3	50.3	46.5
85°	69.7	34.8	34.8	31.0	31.0
87.5°	23.2	15.5	15.5	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)