

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: P289537

Luminaire Tested: **6RSRK-RM-150-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1810-975-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 6RSRK-RM-150-HE-L930
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

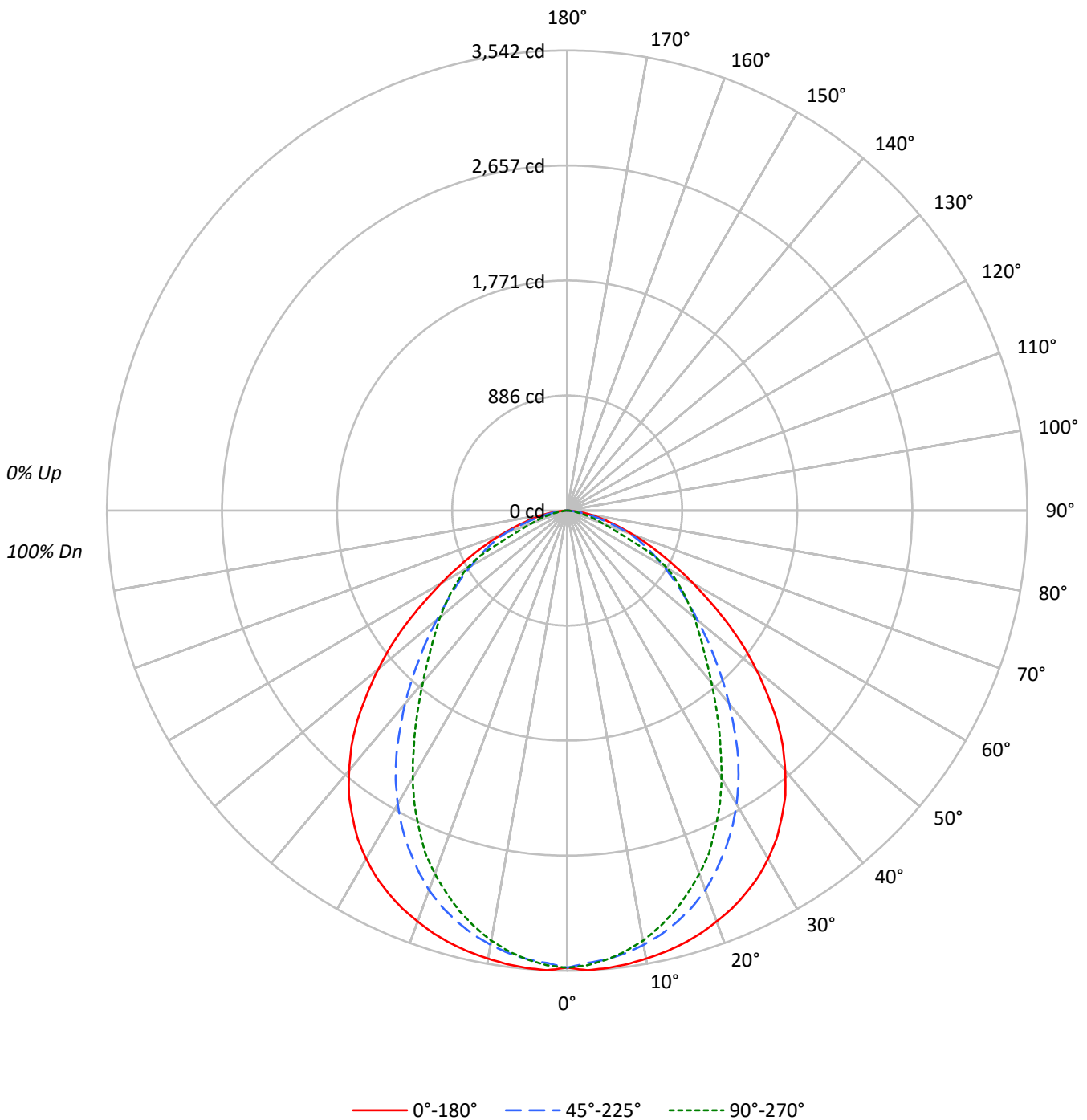
Lumens per Lamp: N/A
Luminaire Lumens: 7469.1 lumens
Efficiency: N/A
Efficacy: 169.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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	106	102	99	108	104	101	97	100	97	94	96	94	92	92	91	89	87
2	101	94	88	83	99	92	87	82	89	84	80	86	82	78	83	79	77	75
3	93	84	76	71	91	82	75	70	79	74	69	77	72	68	74	70	66	64
4	86	75	67	61	84	74	66	61	71	65	60	69	64	59	67	62	58	56
5	80	68	59	53	78	67	59	53	65	58	53	63	57	52	61	56	51	49
6	74	61	53	47	72	61	53	47	59	52	47	57	51	46	56	50	46	44
7	69	56	48	42	67	55	48	42	54	47	42	52	46	41	51	45	41	39
8	64	52	44	38	63	51	43	38	50	43	38	48	42	37	47	42	37	35
9	60	48	40	34	59	47	39	34	46	39	34	45	39	34	44	38	34	32
10	57	44	37	32	55	44	36	31	43	36	31	42	36	31	41	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6312	6312	6312
5°	6365	6245	6250
10°	6381	6184	6122
15°	6409	6083	5932
20°	6425	5937	5681
25°	6438	5698	5342
30°	6411	5405	4923
35°	6310	5021	4456
40°	6113	4543	4043
45°	5793	4075	3740
50°	5294	3652	3564
55°	4699	3337	3392
60°	4008	3074	3200
65°	3384	2879	2284
70°	2798	2621	1549
75°	2266	1926	1214
80°	1881	1375	748
85°	1297	576	504



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.0	4.4
10°-20°	930.3	12.5
20°-30°	1347.4	18.0
30°-40°	1478.8	19.8
40°-50°	1336.1	17.9
50°-60°	1041.8	13.9
60°-70°	659.5	8.8
70°-80°	288.8	3.9
80°-90°	55.4	0.7
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°	2608.7	34.9
0°-40°	4087.5	54.7
0°-60°	6465.5	86.6
0°-90°	7469.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7469.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3518	3518	3518	3518	3518	
5°	3535	3511	3468	3487	3470	336
15°	3451	3386	3276	3236	3194	974
25°	3252	3110	2879	2770	2699	1498
35°	2881	2623	2293	2109	2035	1799
45°	2283	1921	1606	1510	1474	1751
55°	1502	1205	1067	1082	1084	1342
65°	797	663	678	649	538	799
75°	327	336	278	200	175	357
85°	63	60	28	26	24	82
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3518.3	3518.3	3518.3	3518.3	3518.3
2.5°	3541.7	3521.8	3486.8	3513.6	3504.3
5°	3534.7	3511.3	3468.1	3486.8	3470.5
7.5°	3521.8	3493.8	3436.6	3442.4	3422.6
10°	3503.1	3465.8	3394.6	3387.6	3360.7
12.5°	3479.8	3429.6	3342.0	3317.5	3282.5
15°	3450.6	3386.4	3275.5	3235.8	3193.8
17.5°	3413.3	3331.5	3199.6	3135.4	3087.6
20°	3365.4	3267.3	3109.7	3025.7	2975.5
22.5°	3315.2	3193.8	2997.7	2910.1	2854.1
25°	3252.2	3109.7	2878.6	2770.1	2698.9
27.5°	3181.0	3012.9	2750.2	2616.0	2544.8
30°	3094.6	2899.6	2609.0	2447.9	2376.7
32.5°	2998.9	2771.2	2454.9	2283.3	2200.4
35°	2881.0	2623.0	2292.6	2109.4	2034.6
37.5°	2759.6	2463.1	2110.5	1940.1	1875.9
40°	2610.1	2293.8	1940.1	1783.7	1726.5
42.5°	2457.2	2105.9	1769.7	1640.1	1593.4
45°	2283.3	1921.4	1606.2	1510.5	1474.3
47.5°	2088.3	1738.1	1455.7	1396.1	1370.4
50°	1896.9	1554.9	1308.6	1285.2	1277.1
52.5°	1706.6	1375.1	1181.3	1183.7	1179.0
55°	1502.3	1204.7	1066.9	1082.1	1084.4
57.5°	1299.2	1042.4	959.5	987.6	989.9
60°	1117.1	903.5	856.8	890.7	891.8
62.5°	949.0	773.9	763.4	796.1	757.6
65°	797.3	663.0	678.2	649.0	538.1
67.5°	661.9	570.8	595.3	454.1	381.7
70°	533.5	480.9	499.6	338.5	295.3
72.5°	421.4	406.2	378.2	263.8	230.0
75°	326.9	336.2	277.8	199.6	175.1
77.5°	249.8	273.2	201.9	143.6	120.2
80°	182.1	204.3	133.1	86.4	72.4
82.5°	120.2	128.4	70.0	44.4	38.5
85°	63.0	59.5	28.0	25.7	24.5
87.5°	26.8	15.2	14.0	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)