

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: P289543

Luminaire Tested: **6RSRK-RM-150-HE-L840**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289543
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-L840
Description: 6ft RSRK, 1500 LUMEN PER FOOT 80CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

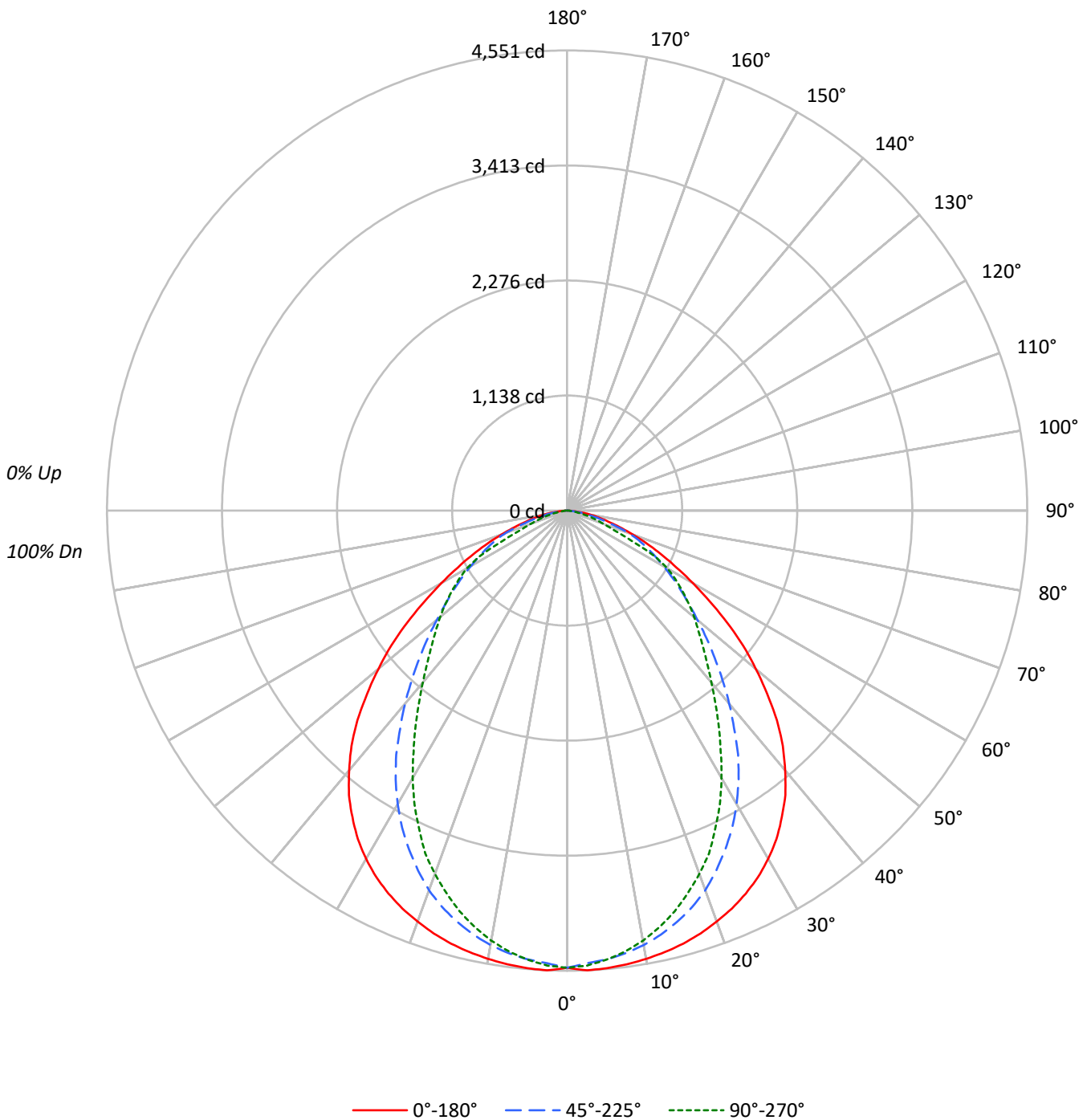
Lumens per Lamp: N/A
Luminaire Lumens: 9598.5 lumens
Efficiency: N/A
Efficacy: 217.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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°	8111	8111	8111
5°	8180	8026	8032
10°	8201	7947	7867
15°	8236	7818	7623
20°	8257	7629	7300
25°	8273	7323	6865
30°	8238	6945	6327
35°	8108	6452	5726
40°	7855	5839	5196
45°	7444	5237	4807
50°	6803	4693	4580
55°	6039	4288	4359
60°	5151	3951	4112
65°	4349	3700	2936
70°	3596	3368	1991
75°	2911	2475	1560
80°	2417	1767	961
85°	1667	741	648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	425.4	4.4
10°-20°	1195.5	12.5
20°-30°	1731.5	18.0
30°-40°	1900.4	19.8
40°-50°	1717.1	17.9
50°-60°	1338.8	13.9
60°-70°	847.5	8.8
70°-80°	371.1	3.9
80°-90°	71.2	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°	3352.4	34.9
0°-40°	5252.8	54.7
0°-60°	8308.7	86.6
0°-90°	9598.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9598.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4521	4521	4521	4521	4521	
5°	4542	4512	4457	4481	4460	432
15°	4434	4352	4209	4158	4104	1252
25°	4179	3996	3699	3560	3468	1925
35°	3702	3371	2946	2711	2615	2312
45°	2934	2469	2064	1941	1895	2250
55°	1931	1548	1371	1391	1394	1725
65°	1025	852	872	834	692	1026
75°	420	432	357	256	225	459
85°	81	76	36	33	32	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4521.4	4521.4	4521.4	4521.4	4521.4
2.5°	4551.4	4525.9	4480.9	4515.4	4503.4
5°	4542.4	4512.4	4456.9	4480.9	4459.9
7.5°	4525.9	4489.9	4416.4	4423.9	4398.3
10°	4501.9	4453.9	4362.3	4353.3	4318.8
12.5°	4471.9	4407.3	4294.8	4263.3	4218.3
15°	4434.4	4351.8	4209.3	4158.3	4104.3
17.5°	4386.3	4281.3	4111.8	4029.3	3967.8
20°	4324.8	4198.8	3996.3	3888.3	3823.8
22.5°	4260.3	4104.3	3852.3	3739.8	3667.8
25°	4179.3	3996.3	3699.3	3559.8	3468.3
27.5°	4087.8	3871.8	3534.3	3361.8	3270.3
30°	3976.8	3726.3	3352.8	3145.7	3054.2
32.5°	3853.8	3561.3	3154.8	2934.2	2827.7
35°	3702.3	3370.8	2946.2	2710.7	2614.7
37.5°	3546.3	3165.3	2712.2	2493.2	2410.7
40°	3354.3	2947.7	2493.2	2292.2	2218.7
42.5°	3157.8	2706.2	2274.2	2107.7	2047.7
45°	2934.2	2469.2	2064.2	1941.2	1894.7
47.5°	2683.7	2233.7	1870.6	1794.1	1761.1
50°	2437.7	1998.2	1681.6	1651.6	1641.1
52.5°	2193.2	1767.1	1518.1	1521.1	1515.1
55°	1930.7	1548.1	1371.1	1390.6	1393.6
57.5°	1669.6	1339.6	1233.1	1269.1	1272.1
60°	1435.6	1161.1	1101.1	1144.6	1146.1
62.5°	1219.6	994.6	981.1	1023.1	973.6
65°	1024.6	852.1	871.6	834.1	691.6
67.5°	850.6	733.6	765.1	583.5	490.5
70°	685.6	618.0	642.1	435.0	379.5
72.5°	541.5	522.0	486.0	339.0	295.5
75°	420.0	432.0	357.0	256.5	225.0
77.5°	321.0	351.0	259.5	184.5	154.5
80°	234.0	262.5	171.0	111.0	93.0
82.5°	154.5	165.0	90.0	57.0	49.5
85°	81.0	76.5	36.0	33.0	31.5
87.5°	34.5	19.5	18.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)