

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: P289540

Luminaire Tested: **6RSRK-RM-150-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289540
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-L950
Description: 6ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

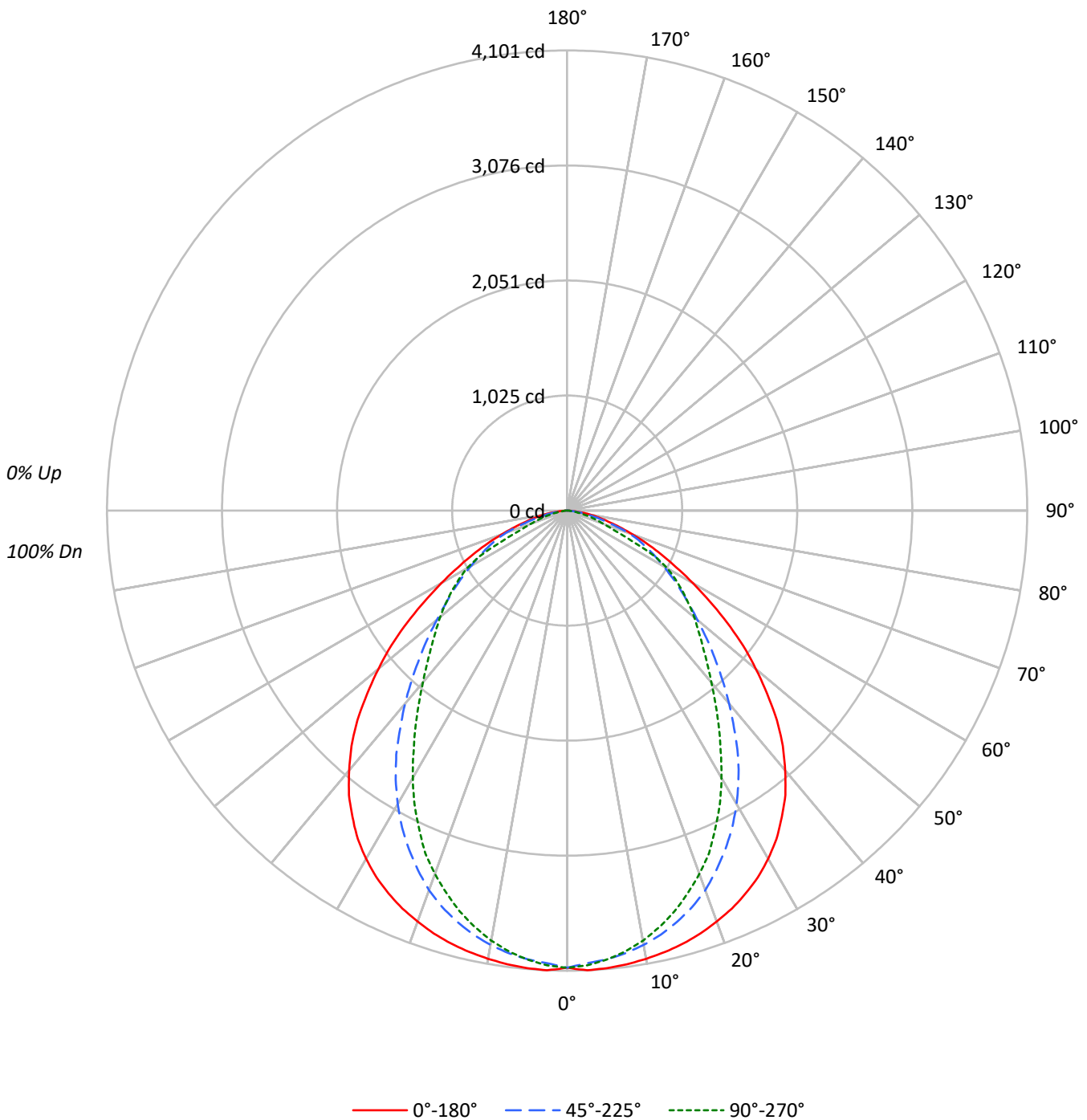
Lumens per Lamp: N/A
Luminaire Lumens: 8648.3 lumens
Efficiency: N/A
Efficacy: 195.7 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 6' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P289540

CATALOG NUMBER: 6RSRK-RM-150-HE-L950

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	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					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°	7308	7308	7308
5°	7370	7231	7236
10°	7389	7160	7089
15°	7421	7044	6868
20°	7439	6874	6577
25°	7454	6598	6186
30°	7422	6258	5701
35°	7306	5814	5160
40°	7078	5261	4681
45°	6707	4718	4331
50°	6130	4229	4127
55°	5441	3864	3927
60°	4641	3560	3705
65°	3918	3334	2645
70°	3240	3034	1794
75°	2624	2230	1405
80°	2179	1592	866
85°	1503	667	585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	383.3	4.4
10°-20°	1077.1	12.5
20°-30°	1560.1	18.0
30°-40°	1712.3	19.8
40°-50°	1547.1	17.9
50°-60°	1206.3	13.9
60°-70°	763.6	8.8
70°-80°	334.4	3.9
80°-90°	64.1	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°	3020.5	34.9
0°-40°	4732.8	54.7
0°-60°	7486.2	86.6
0°-90°	8648.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8648.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4074	4074	4074	4074	4074	
5°	4093	4066	4016	4037	4018	389
15°	3995	3921	3793	3747	3698	1128
25°	3766	3601	3333	3207	3125	1735
35°	3336	3037	2655	2442	2356	2083
45°	2644	2225	1860	1749	1707	2027
55°	1740	1395	1235	1253	1256	1554
65°	923	768	785	752	623	925
75°	378	389	322	231	203	414
85°	73	69	32	30	28	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4073.7	4073.7	4073.7	4073.7	4073.7
2.5°	4100.8	4077.8	4037.3	4068.3	4057.5
5°	4092.7	4065.6	4015.6	4037.3	4018.3
7.5°	4077.8	4045.4	3979.1	3985.9	3962.9
10°	4056.2	4012.9	3930.5	3922.4	3891.3
12.5°	4029.1	3971.0	3869.7	3841.3	3800.7
15°	3995.4	3921.0	3792.6	3746.7	3698.0
17.5°	3952.1	3857.5	3704.8	3630.4	3575.0
20°	3896.7	3783.1	3600.7	3503.4	3445.2
22.5°	3838.6	3698.0	3470.9	3369.6	3304.7
25°	3765.6	3600.7	3333.1	3207.4	3124.9
27.5°	3683.1	3488.5	3184.4	3029.0	2946.5
30°	3583.1	3357.4	3020.8	2834.3	2751.9
32.5°	3472.3	3208.7	2842.4	2643.7	2547.8
35°	3335.8	3037.1	2654.6	2442.4	2355.9
37.5°	3195.2	2851.9	2443.7	2246.4	2172.0
40°	3022.2	2655.9	2246.4	2065.3	1999.0
42.5°	2845.1	2438.3	2049.0	1899.0	1844.9
45°	2643.7	2224.7	1859.8	1749.0	1707.1
47.5°	2418.0	2012.5	1685.5	1616.5	1586.8
50°	2196.4	1800.3	1515.2	1488.1	1478.7
52.5°	1976.0	1592.2	1367.8	1370.5	1365.1
55°	1739.5	1394.9	1235.4	1252.9	1255.6
57.5°	1504.3	1207.0	1111.0	1143.5	1146.2
60°	1293.5	1046.1	992.1	1031.3	1032.6
62.5°	1098.9	896.1	884.0	921.8	877.2
65°	923.1	767.7	785.3	751.5	623.1
67.5°	766.4	660.9	689.3	525.8	442.0
70°	617.7	556.9	578.5	392.0	342.0
72.5°	487.9	470.4	437.9	305.5	266.3
75°	378.5	389.3	321.7	231.1	202.7
77.5°	289.2	316.3	233.8	166.2	139.2
80°	210.9	236.5	154.1	100.0	83.8
82.5°	139.2	148.7	81.1	51.4	44.6
85°	73.0	68.9	32.4	29.7	28.4
87.5°	31.1	17.6	16.2	13.5	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)