

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: P289579

Luminaire Tested: **8RSRK-RM-150-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289579
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: 8RSRK-RM-150-HE-L950
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 5000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

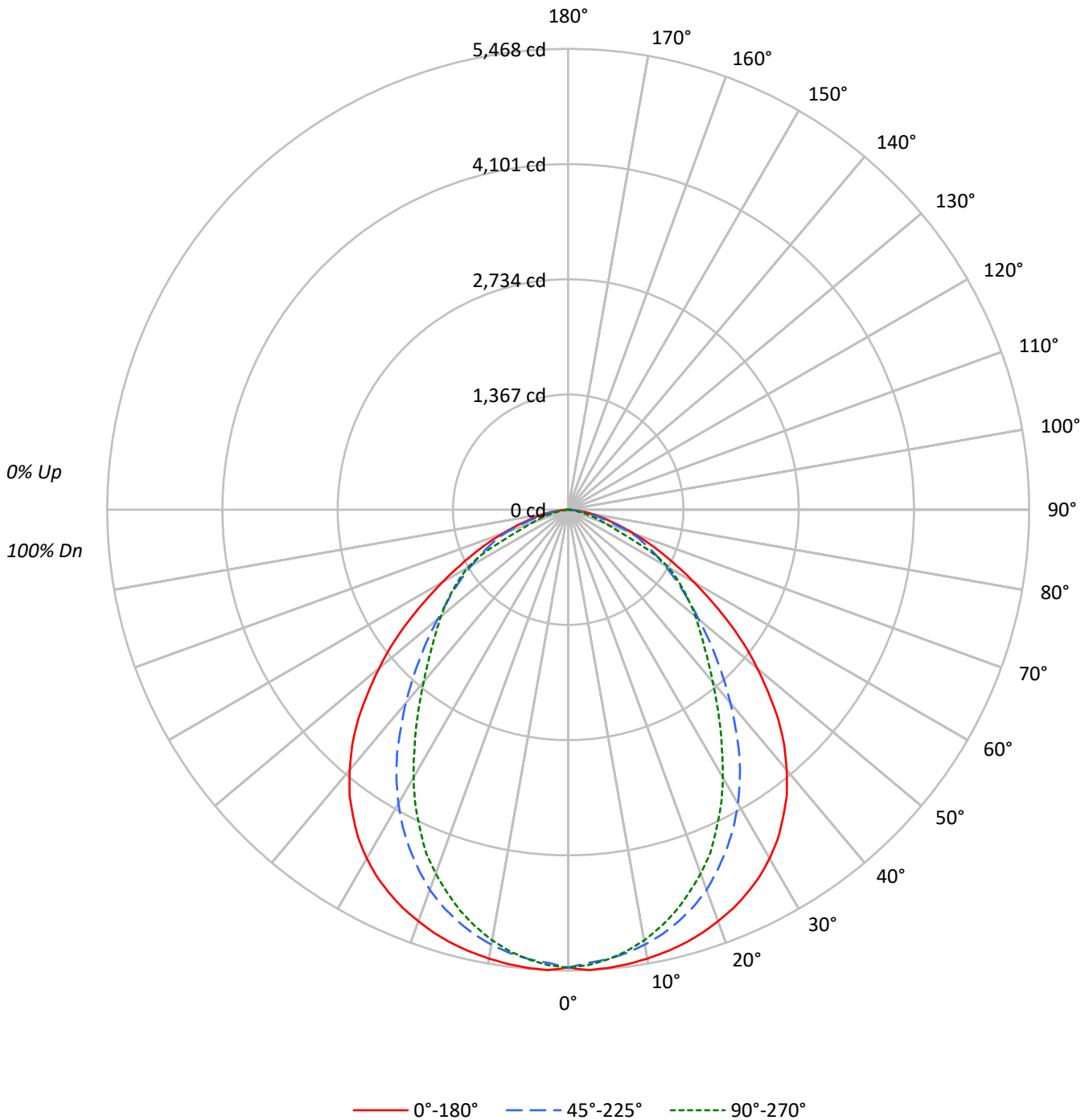
Lumens per Lamp: N/A
Luminaire Lumens: 11531.0 lumens
Efficiency: N/A
Efficacy: 260.9 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	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	7232	7236
10°	7389	7160	7089
15°	7420	7044	6868
20°	7439	6874	6577
25°	7454	6598	6186
30°	7423	6258	5701
35°	7306	5814	5159
40°	7078	5261	4682
45°	6707	4718	4331
50°	6130	4229	4127
55°	5441	3864	3927
60°	4641	3560	3705
65°	3919	3333	2645
70°	3240	3034	1793
75°	2623	2230	1405
80°	2178	1592	865
85°	1502	668	584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.1	4.4
10°-20°	1436.2	12.5
20°-30°	2080.1	18.0
30°-40°	2283.1	19.8
40°-50°	2062.8	17.9
50°-60°	1608.4	13.9
60°-70°	1018.2	8.8
70°-80°	445.8	3.9
80°-90°	85.5	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°	4027.3	34.9
0°-40°	6310.4	54.7
0°-60°	9981.5	86.6
0°-90°	11531.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11531.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5432	5432	5432	5432	5432	
5°	5457	5421	5354	5383	5358	519
15°	5327	5228	5057	4996	4931	1504
25°	5021	4801	4444	4276	4167	2313
35°	4448	4049	3539	3256	3141	2777
45°	3525	2966	2480	2332	2276	2703
55°	2319	1860	1647	1671	1674	2072
65°	1231	1024	1047	1002	831	1233
75°	505	519	429	308	270	552
85°	97	92	43	40	38	126
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5431.7	5431.7	5431.7	5431.7	5431.7
2.5°	5467.7	5437.1	5383.0	5424.5	5410.0
5°	5456.9	5420.8	5354.2	5383.0	5357.8
7.5°	5437.1	5393.8	5305.5	5314.5	5283.9
10°	5408.2	5350.6	5240.6	5229.8	5188.4
12.5°	5372.2	5294.7	5159.5	5121.7	5067.6
15°	5327.1	5228.0	5056.8	4995.5	4930.7
17.5°	5269.5	5143.3	4939.7	4840.6	4766.7
20°	5195.6	5044.2	4800.9	4671.2	4593.7
22.5°	5118.1	4930.7	4627.9	4492.7	4406.2
25°	5020.8	4800.9	4444.1	4276.5	4166.6
27.5°	4910.8	4651.3	4245.8	4038.6	3928.7
30°	4777.5	4476.5	4027.8	3779.1	3669.2
32.5°	4629.7	4278.3	3789.9	3525.0	3397.0
35°	4447.7	4049.4	3539.4	3256.5	3141.1
37.5°	4260.3	3802.5	3258.3	2995.2	2896.0
40°	4029.6	3541.2	2995.2	2753.7	2665.4
42.5°	3793.5	3251.1	2732.0	2532.0	2459.9
45°	3525.0	2966.3	2479.7	2332.0	2276.1
47.5°	3224.0	2683.4	2247.3	2155.4	2115.7
50°	2928.5	2400.5	2020.2	1984.2	1971.5
52.5°	2634.7	2122.9	1823.8	1827.4	1820.2
55°	2319.4	1859.8	1647.2	1670.6	1674.2
57.5°	2005.8	1609.3	1481.4	1524.6	1528.2
60°	1724.7	1394.9	1322.8	1375.0	1376.8
62.5°	1465.1	1194.8	1178.6	1229.1	1169.6
65°	1230.9	1023.6	1047.0	1002.0	830.8
67.5°	1021.8	881.2	919.1	701.0	589.3
70°	823.6	742.5	771.3	522.6	455.9
72.5°	650.6	627.1	583.9	407.3	355.0
75°	504.6	519.0	428.9	308.2	270.3
77.5°	385.7	421.7	311.8	221.7	185.6
80°	281.1	315.4	205.4	133.4	111.7
82.5°	185.6	198.2	108.1	68.5	59.5
85°	97.3	91.9	43.3	39.6	37.8
87.5°	41.4	23.4	21.6	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)