

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: P289578

Luminaire Tested: **8RSRK-RM-150-HE-L940**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P289578
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-L940
Description: 8ft RSRK, 1500 LUMEN PER FOOT 90CRI 4000K CCT WITH ROUND MEDIUM LENS
Light Source: -
Ballast/Driver: -

Summary

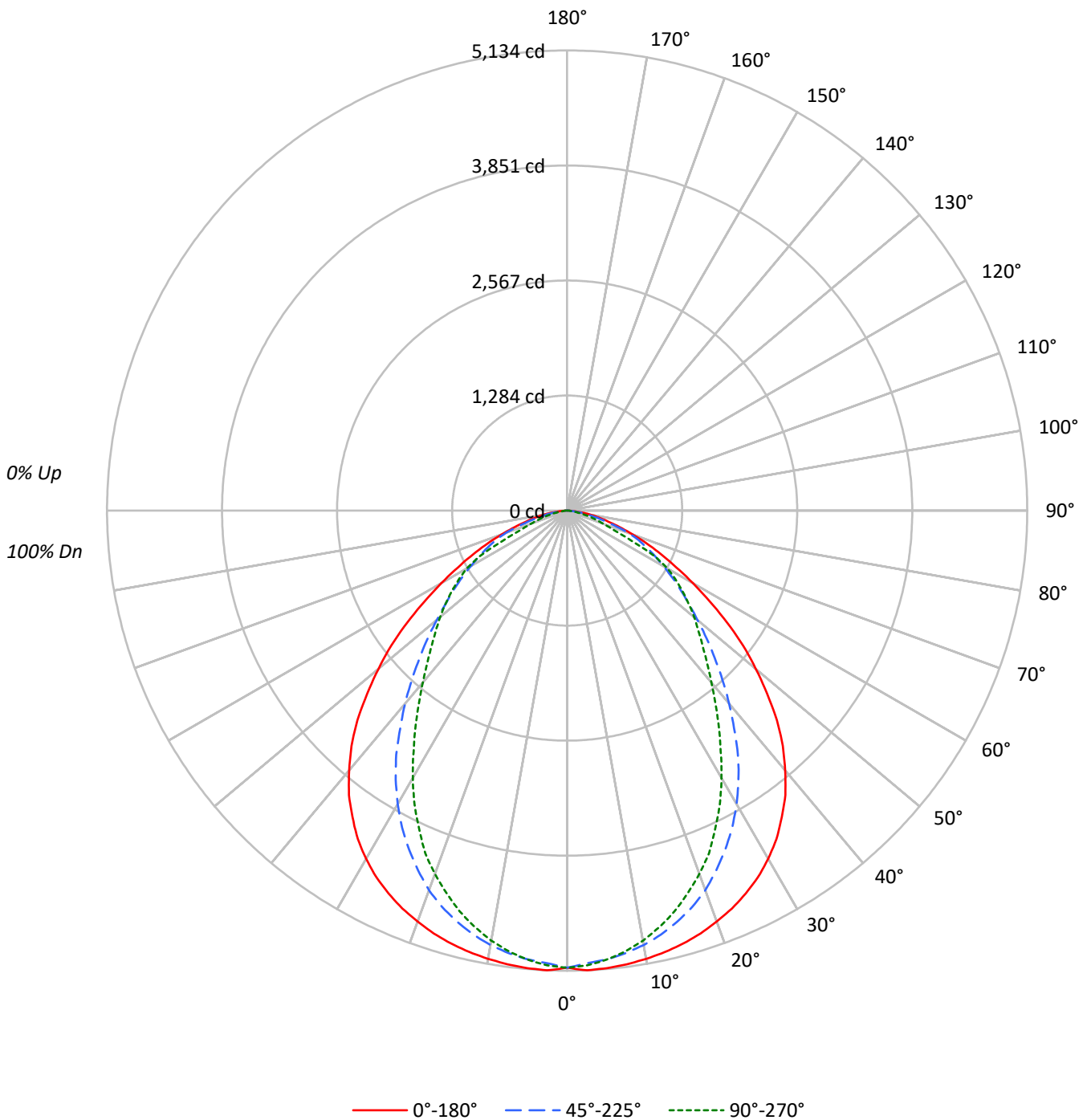
Lumens per Lamp: N/A
Luminaire Lumens: 10827.1 lumens
Efficiency: N/A
Efficacy: 245.0 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.05 / 1.18
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

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	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°	6862	6862	6862
5°	6920	6790	6795
10°	6938	6723	6656
15°	6967	6614	6449
20°	6985	6454	6176
25°	6999	6195	5808
30°	6969	5876	5353
35°	6860	5459	4845
40°	6646	4940	4396
45°	6298	4431	4067
50°	5756	3971	3875
55°	5109	3628	3688
60°	4358	3342	3479
65°	3679	3130	2484
70°	3042	2849	1684
75°	2463	2093	1319
80°	2046	1495	813
85°	1411	627	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.9	4.4
10°-20°	1348.5	12.5
20°-30°	1953.1	18.0
30°-40°	2143.7	19.8
40°-50°	1936.8	17.9
50°-60°	1510.2	13.9
60°-70°	956.0	8.8
70°-80°	418.6	3.9
80°-90°	80.3	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°	3781.5	34.9
0°-40°	5925.2	54.7
0°-60°	9372.2	86.6
0°-90°	10827.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10827.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5100	5100	5100	5100	5100	
5°	5124	5090	5027	5054	5031	488
15°	5002	4909	4748	4691	4630	1413
25°	4714	4508	4173	4015	3912	2172
35°	4176	3802	3323	3058	2949	2608
45°	3310	2785	2328	2190	2137	2538
55°	2178	1746	1547	1569	1572	1946
65°	1156	961	983	941	780	1158
75°	474	487	403	289	254	518
85°	91	86	41	37	36	119
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5100.1	5100.1	5100.1	5100.1	5100.1
2.5°	5133.9	5105.2	5054.4	5093.3	5079.8
5°	5123.8	5089.9	5027.3	5054.4	5030.7
7.5°	5105.2	5064.6	4981.6	4990.1	4961.3
10°	5078.1	5023.9	4920.7	4910.6	4871.7
12.5°	5044.3	4971.5	4844.6	4809.0	4758.3
15°	5001.9	4908.9	4748.1	4690.6	4629.7
17.5°	4947.8	4829.4	4638.1	4545.1	4475.7
20°	4878.4	4736.3	4507.8	4386.0	4313.3
22.5°	4805.7	4629.7	4345.4	4218.5	4137.3
25°	4714.3	4507.8	4172.8	4015.4	3912.2
27.5°	4611.1	4367.4	3986.7	3792.1	3688.9
30°	4485.8	4203.3	3781.9	3548.4	3445.2
32.5°	4347.1	4017.1	3558.6	3309.8	3189.7
35°	4176.2	3802.2	3323.4	3057.7	2949.4
37.5°	4000.2	3570.4	3059.4	2812.3	2719.3
40°	3783.6	3325.0	2812.3	2585.6	2502.7
42.5°	3561.9	3052.6	2565.3	2377.4	2309.8
45°	3309.8	2785.3	2328.4	2189.6	2137.2
47.5°	3027.2	2519.6	2110.1	2023.8	1986.6
50°	2749.7	2253.9	1896.9	1863.0	1851.2
52.5°	2473.9	1993.3	1712.4	1715.8	1709.1
55°	2177.8	1746.3	1546.6	1568.6	1572.0
57.5°	1883.3	1511.1	1390.9	1431.5	1434.9
60°	1619.4	1309.7	1242.0	1291.1	1292.8
62.5°	1375.7	1121.9	1106.7	1154.0	1098.2
65°	1155.7	961.1	983.1	940.8	780.1
67.5°	959.4	827.5	863.0	658.2	553.3
70°	773.3	697.2	724.2	490.7	428.1
72.5°	610.9	588.9	548.3	382.4	333.4
75°	473.8	487.3	402.7	289.4	253.8
77.5°	362.1	396.0	292.7	208.1	174.3
80°	264.0	296.1	192.9	125.2	104.9
82.5°	174.3	186.1	101.5	64.3	55.8
85°	91.4	86.3	40.6	37.2	35.5
87.5°	38.9	22.0	20.3	16.9	16.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)