

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: P#

Luminaire Tested: **8RSRK-100-HE-L950**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8RSRK-100-HE-L950
Description: 8ft RSRK, 1000 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

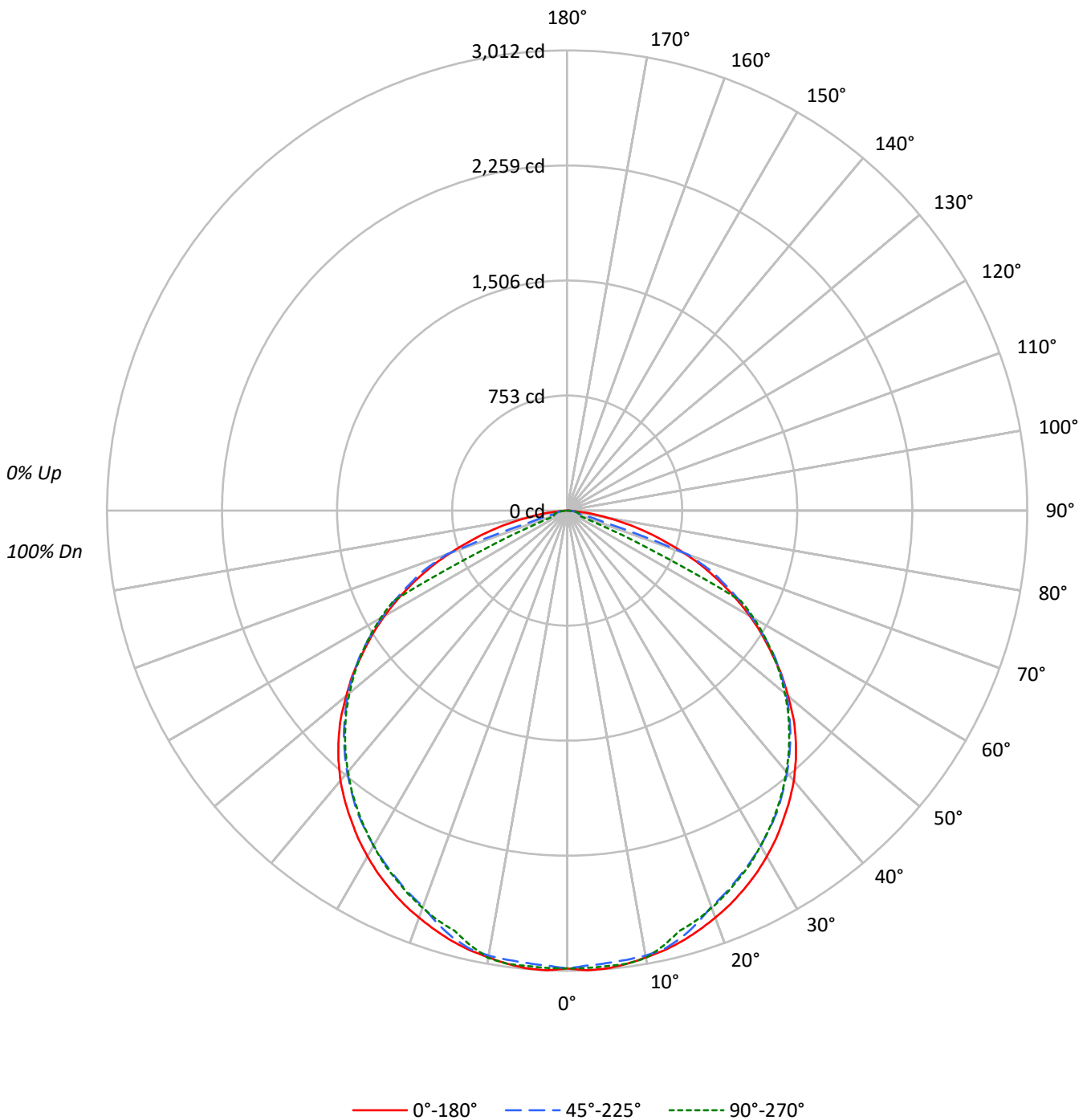
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8249.2 lumens
Efficiency: N/A
Efficacy: 286.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	105	102	98	107	103	100	96	99	96	93	95	93	91	92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33	45	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4032	4032	4032
5°	4063	4016	4042
10°	4057	4042	4063
15°	4062	4030	3966
20°	4060	3951	3962
25°	4062	3937	3949
30°	4061	3936	3936
35°	4054	3941	3929
40°	4053	3932	3919
45°	4027	3932	3910
50°	3949	3925	3893
55°	3842	3878	3860
60°	3718	3759	3800
65°	3521	3619	1913
70°	3222	3297	361
75°	2766	398	438
80°	2076	504	504
85°	1064	531	472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.7	3.5
10°-20°	815.5	9.9
20°-30°	1239.8	15.0
30°-40°	1510.2	18.3
40°-50°	1598.0	19.4
50°-60°	1465.8	17.8
60°-70°	988.7	12.0
70°-80°	298.8	3.6
80°-90°	47.8	0.6
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°	2340.0	28.4
0°-40°	3850.2	46.7
0°-60°	6913.9	83.8
0°-90°	8249.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8249.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2996	2996	2996	2996	2996	
5°	3008	2985	2974	3000	2993	286
15°	2916	2901	2893	2870	2847	823
25°	2736	2732	2652	2679	2660	1262
35°	2468	2415	2400	2407	2392	1546
45°	2116	2067	2067	2070	2055	1629
55°	1638	1615	1653	1653	1646	1466
65°	1106	1091	1137	1152	601	1092
75°	532	536	76	84	84	564
85°	69	34	34	31	31	105
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2996.5	2996.5	2996.5	2996.5	2996.5
2.5°	3011.9	2988.8	2981.2	3000.3	2996.5
5°	3008.0	2985.0	2973.5	3000.3	2992.7
7.5°	2992.7	2969.7	2965.9	2996.5	2992.7
10°	2969.7	2954.4	2958.2	2985.0	2973.5
12.5°	2946.8	2931.4	2939.1	2931.4	2916.1
15°	2916.1	2900.8	2893.2	2870.2	2847.3
17.5°	2877.9	2870.2	2831.9	2824.3	2812.9
20°	2835.7	2835.7	2759.2	2782.2	2766.9
22.5°	2789.8	2789.8	2709.5	2732.4	2717.1
25°	2736.3	2732.4	2652.0	2678.9	2659.8
27.5°	2678.9	2659.8	2594.7	2617.6	2602.3
30°	2613.9	2579.4	2533.4	2548.7	2533.4
32.5°	2544.9	2495.2	2468.3	2479.9	2464.6
35°	2468.3	2414.9	2399.5	2407.1	2391.8
37.5°	2391.8	2334.4	2319.1	2330.6	2315.3
40°	2307.7	2254.0	2238.7	2246.5	2231.2
42.5°	2215.8	2169.9	2154.6	2158.4	2146.9
45°	2116.3	2066.6	2066.6	2070.3	2055.0
47.5°	2009.1	1967.1	1970.9	1974.7	1963.2
50°	1886.6	1856.0	1875.2	1879.1	1859.9
52.5°	1771.9	1741.3	1764.2	1771.9	1756.6
55°	1637.9	1615.0	1653.2	1653.2	1645.6
57.5°	1511.7	1488.6	1527.0	1542.3	1530.8
60°	1381.5	1358.6	1396.8	1423.6	1412.1
62.5°	1243.7	1224.6	1270.5	1304.9	1282.1
65°	1105.9	1090.6	1136.6	1151.9	600.8
67.5°	964.4	952.9	1006.5	363.6	95.6
70°	819.0	807.5	838.1	91.8	91.8
72.5°	669.8	673.5	267.9	88.1	88.1
75°	532.0	535.8	76.5	84.2	84.2
77.5°	394.2	401.8	72.8	76.5	76.5
80°	267.9	195.2	65.0	65.0	65.0
82.5°	160.7	45.9	49.7	49.7	45.9
85°	68.9	34.4	34.4	30.6	30.6
87.5°	23.0	15.3	15.3	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)