

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-200-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-200-HE-L950
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 5000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

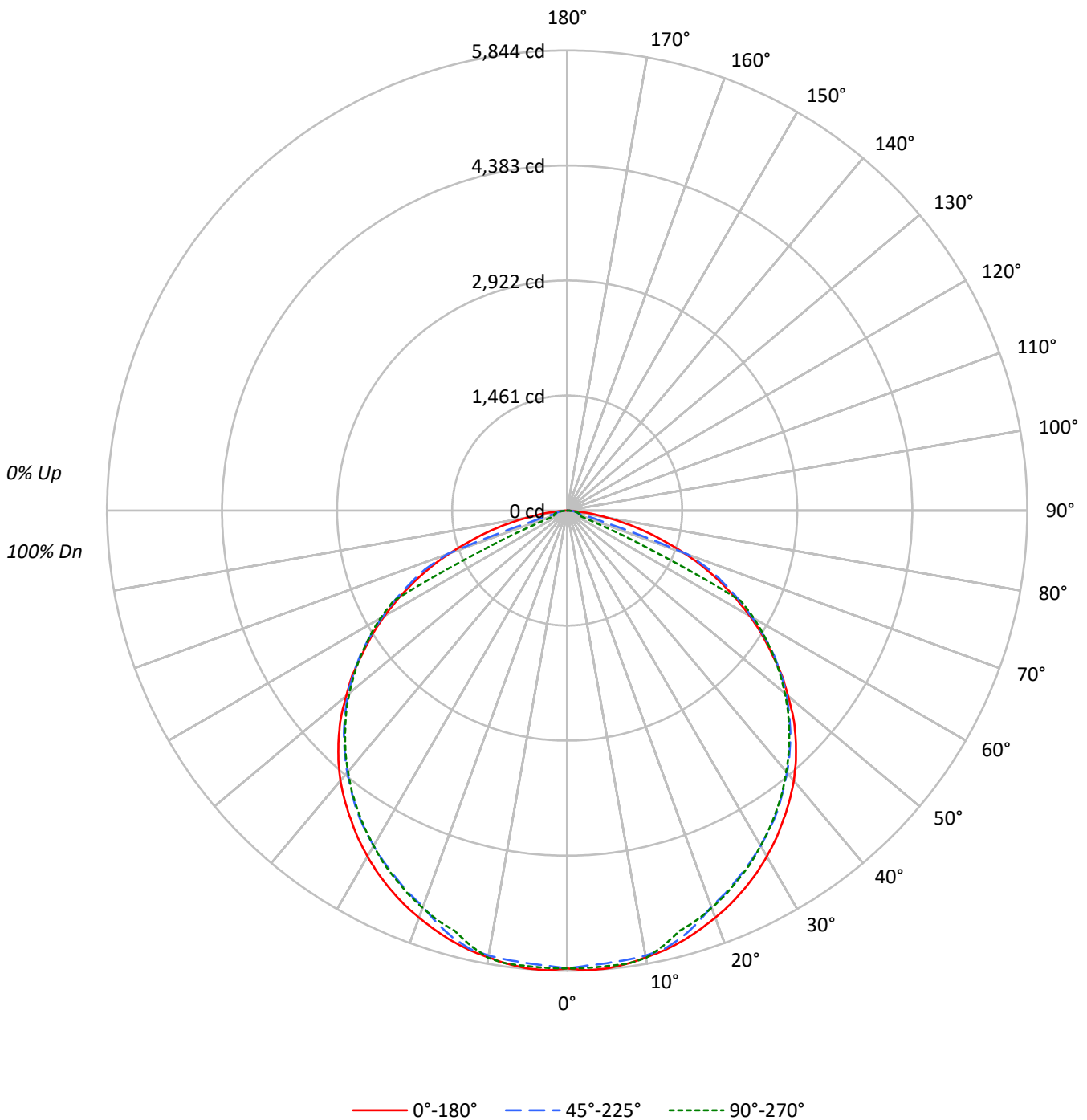
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16006.8 lumens
Efficiency: N/A
Efficacy: 261.5 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): 61.2
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	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°	7823	7823	7823
5°	7883	7793	7843
10°	7873	7842	7883
15°	7882	7820	7696
20°	7879	7666	7688
25°	7882	7640	7662
30°	7880	7638	7638
35°	7867	7648	7623
40°	7865	7630	7604
45°	7814	7630	7588
50°	7663	7617	7554
55°	7456	7525	7490
60°	7213	7293	7373
65°	6832	7021	3712
70°	6251	6398	701
75°	5366	772	849
80°	4028	978	978
85°	2064	1030	917



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.4	3.5
10°-20°	1582.5	9.9
20°-30°	2405.7	15.0
30°-40°	2930.4	18.3
40°-50°	3100.8	19.4
50°-60°	2844.2	17.8
60°-70°	1918.4	12.0
70°-80°	579.8	3.6
80°-90°	92.7	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°	4540.5	28.4
0°-40°	7470.9	46.7
0°-60°	13415.9	83.8
0°-90°	16006.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	16006.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5814	5814	5814	5814	5814	
5°	5837	5792	5770	5822	5807	555
15°	5658	5629	5614	5569	5525	1597
25°	5310	5302	5146	5198	5161	2448
35°	4790	4686	4656	4671	4641	2999
45°	4106	4010	4010	4017	3988	3162
55°	3178	3134	3208	3208	3193	2845
65°	2146	2116	2205	2235	1166	2119
75°	1032	1040	148	163	163	1094
85°	134	67	67	59	59	204
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5814.5	5814.5	5814.5	5814.5	5814.5
2.5°	5844.2	5799.5	5784.8	5821.8	5814.5
5°	5836.7	5792.1	5769.8	5821.8	5807.0
7.5°	5807.0	5762.4	5755.1	5814.5	5807.0
10°	5762.4	5732.7	5740.1	5792.1	5769.8
12.5°	5717.9	5688.2	5703.0	5688.2	5658.5
15°	5658.5	5628.8	5613.9	5569.4	5524.8
17.5°	5584.2	5569.4	5495.1	5480.3	5458.1
20°	5502.4	5502.4	5353.9	5398.7	5369.0
22.5°	5413.3	5413.3	5257.5	5302.0	5272.3
25°	5309.5	5302.0	5146.0	5198.1	5161.0
27.5°	5198.1	5161.0	5034.7	5079.3	5049.6
30°	5071.9	5005.0	4915.9	4945.6	4915.9
32.5°	4938.1	4841.6	4789.6	4811.9	4782.2
35°	4789.6	4685.8	4656.1	4670.8	4641.0
37.5°	4641.0	4529.7	4500.0	4522.2	4492.5
40°	4477.9	4373.7	4344.0	4359.0	4329.3
42.5°	4299.6	4210.5	4180.8	4188.2	4165.8
45°	4106.4	4009.9	4009.9	4017.3	3987.6
47.5°	3898.5	3816.9	3824.4	3831.7	3809.4
50°	3660.8	3601.4	3638.7	3646.2	3608.9
52.5°	3438.2	3378.8	3423.2	3438.2	3408.5
55°	3178.3	3133.7	3208.0	3208.0	3193.1
57.5°	2933.3	2888.6	2963.0	2992.7	2970.3
60°	2680.6	2636.3	2710.3	2762.4	2740.0
62.5°	2413.3	2376.3	2465.4	2532.1	2487.7
65°	2146.0	2116.3	2205.4	2235.1	1165.8
67.5°	1871.3	1848.9	1953.1	705.5	185.6
70°	1589.1	1566.9	1626.3	178.2	178.2
72.5°	1299.6	1306.9	519.8	170.9	170.9
75°	1032.3	1039.6	148.5	163.4	163.4
77.5°	764.9	779.6	141.2	148.5	148.5
80°	519.8	378.8	126.2	126.2	126.2
82.5°	311.9	89.1	96.4	96.4	89.1
85°	133.7	66.7	66.7	59.4	59.4
87.5°	44.6	29.7	29.7	22.4	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)