

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-L930**

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-L930
Description: 8ft RSRK, 2000 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

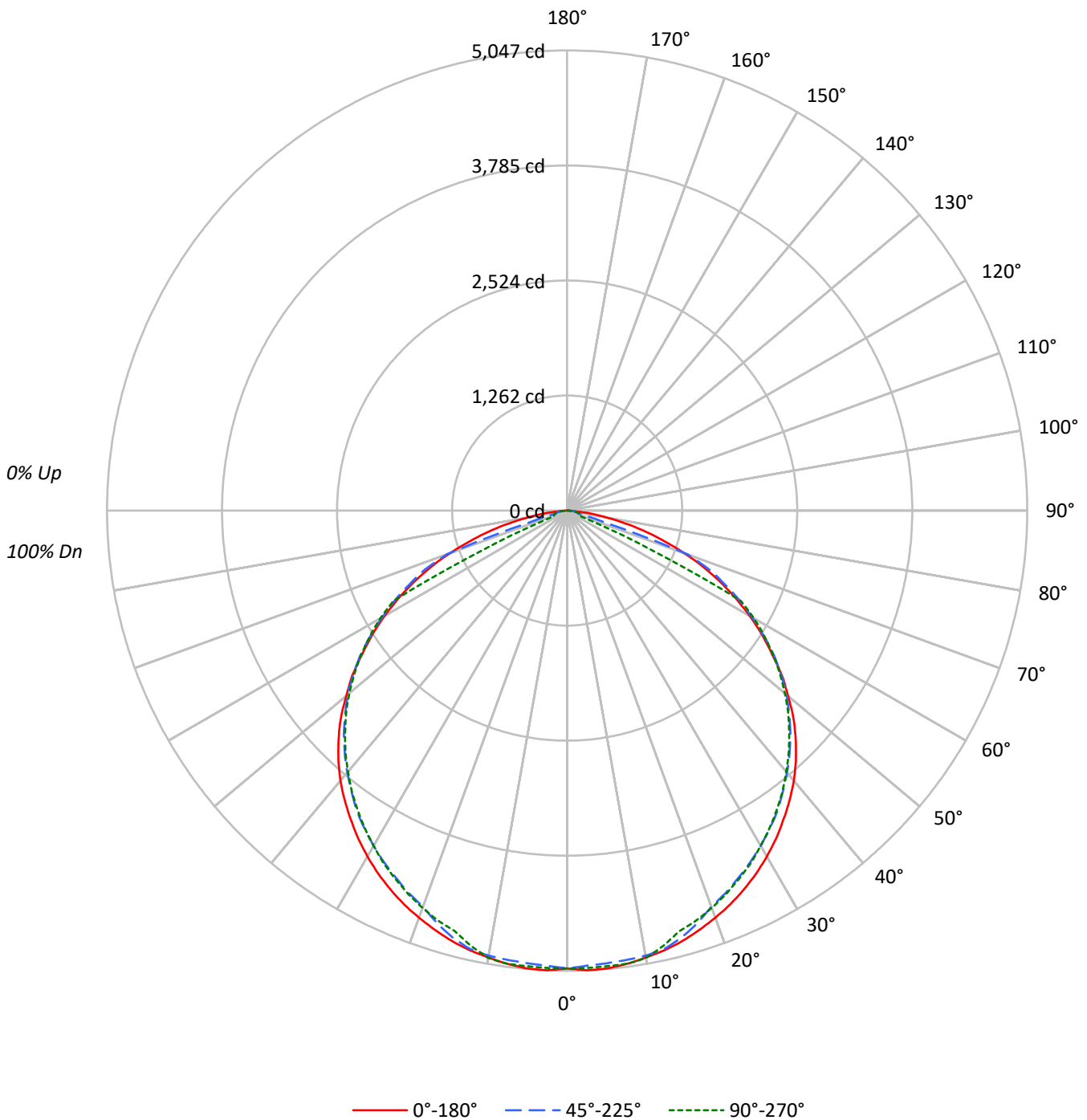
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13824.4 lumens
Efficiency: N/A
Efficacy: 225.9 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°	6757	6757	6757
5°	6808	6730	6774
10°	6800	6773	6808
15°	6807	6754	6646
20°	6804	6621	6639
25°	6808	6598	6617
30°	6806	6596	6596
35°	6794	6605	6584
40°	6793	6590	6567
45°	6748	6590	6553
50°	6618	6578	6524
55°	6439	6499	6469
60°	6230	6299	6368
65°	5901	6064	3205
70°	5399	5526	605
75°	4635	667	734
80°	3478	845	845
85°	1782	889	792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	477.1	3.5
10°-20°	1366.7	9.9
20°-30°	2077.7	15.0
30°-40°	2530.8	18.3
40°-50°	2678.0	19.4
50°-60°	2456.4	17.8
60°-70°	1656.9	12.0
70°-80°	500.8	3.6
80°-90°	80.1	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°	3921.4	28.4
0°-40°	6452.3	46.7
0°-60°	11586.7	83.8
0°-90°	13824.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13824.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5022	5022	5022	5022	5022	
5°	5041	5002	4983	5028	5015	479
15°	4887	4861	4848	4810	4772	1380
25°	4586	4579	4444	4489	4457	2114
35°	4136	4047	4021	4034	4008	2590
45°	3546	3463	3463	3470	3444	2731
55°	2745	2706	2771	2771	2758	2457
65°	1853	1828	1905	1930	1007	1830
75°	892	898	128	141	141	945
85°	115	58	58	51	51	176
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5021.7	5021.7	5021.7	5021.7	5021.7
2.5°	5047.4	5008.7	4996.1	5028.1	5021.7
5°	5040.9	5002.4	4983.1	5028.1	5015.2
7.5°	5015.2	4976.8	4970.4	5021.7	5015.2
10°	4976.8	4951.1	4957.4	5002.4	4983.1
12.5°	4938.3	4912.6	4925.5	4912.6	4887.0
15°	4887.0	4861.3	4848.5	4810.0	4771.5
17.5°	4822.8	4810.0	4745.9	4733.1	4713.9
20°	4752.2	4752.2	4623.9	4662.6	4636.9
22.5°	4675.3	4675.3	4540.7	4579.1	4553.5
25°	4585.6	4579.1	4444.4	4489.3	4457.4
27.5°	4489.3	4457.4	4348.3	4386.7	4361.1
30°	4380.4	4322.6	4245.6	4271.3	4245.6
32.5°	4264.8	4181.5	4136.5	4155.8	4130.2
35°	4136.5	4046.9	4021.2	4033.9	4008.3
37.5°	4008.3	3912.1	3886.5	3905.7	3880.0
40°	3867.3	3777.4	3751.7	3764.7	3739.1
42.5°	3713.4	3636.4	3610.8	3617.1	3597.8
45°	3546.5	3463.2	3463.2	3469.5	3443.9
47.5°	3366.9	3296.5	3302.9	3309.3	3290.0
50°	3161.7	3110.4	3142.5	3149.0	3116.9
52.5°	2969.5	2918.1	2956.5	2969.5	2943.8
55°	2744.9	2706.4	2770.6	2770.6	2757.7
57.5°	2533.3	2494.7	2559.0	2584.7	2565.3
60°	2315.1	2276.8	2340.8	2385.8	2366.5
62.5°	2084.3	2052.3	2129.2	2186.9	2148.5
65°	1853.4	1827.7	1904.7	1930.3	1006.8
67.5°	1616.2	1596.8	1686.8	609.3	160.3
70°	1372.5	1353.3	1404.6	153.9	153.9
72.5°	1122.4	1128.7	448.9	147.6	147.6
75°	891.5	897.9	128.3	141.1	141.1
77.5°	660.7	673.3	121.9	128.3	128.3
80°	448.9	327.2	109.0	109.0	109.0
82.5°	269.4	77.0	83.3	83.3	77.0
85°	115.4	57.6	57.6	51.3	51.3
87.5°	38.5	25.7	25.7	19.3	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)