

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: **6RSRK-200-HE-L840**

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: 6RSRK-200-HE-L840
Description: 6ft RSRK, 2000 LUMEN PER FOOT 80CRI 4000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

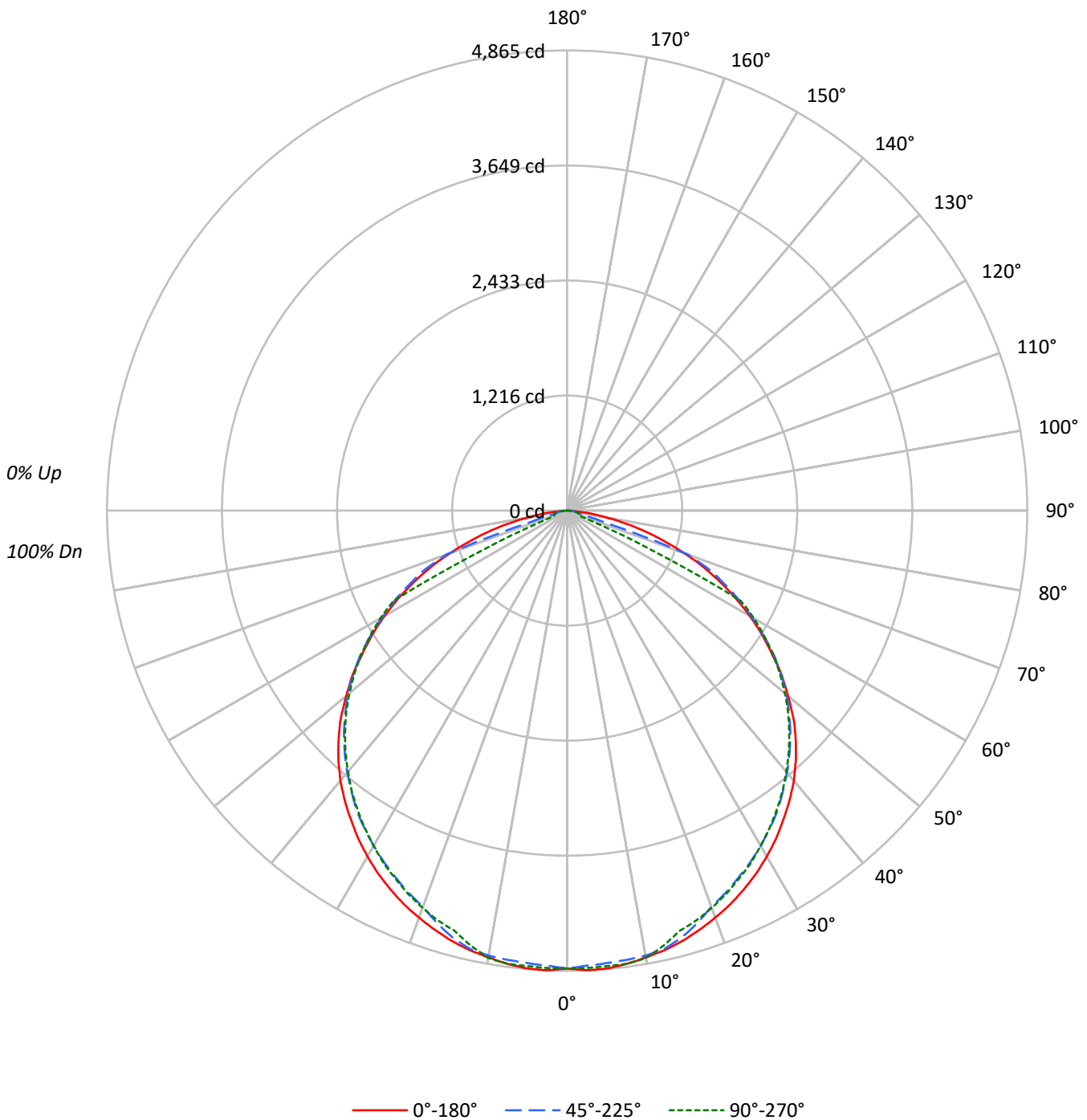
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13324.2 lumens
Efficiency: N/A
Efficacy: 217.7 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 6' 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°	8683	8683	8683
5°	8749	8649	8705
10°	8738	8704	8749
15°	8748	8679	8541
20°	8744	8508	8532
25°	8749	8479	8504
30°	8746	8477	8477
35°	8732	8488	8461
40°	8729	8468	8440
45°	8672	8469	8421
50°	8505	8453	8384
55°	8275	8352	8313
60°	8006	8095	8183
65°	7583	7793	4119
70°	6938	7101	778
75°	5956	857	943
80°	4470	1085	1085
85°	2291	1144	1019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	459.8	3.5
10°-20°	1317.2	9.9
20°-30°	2002.5	15.0
30°-40°	2439.3	18.3
40°-50°	2581.1	19.4
50°-60°	2367.5	17.8
60°-70°	1596.9	12.0
70°-80°	482.6	3.6
80°-90°	77.2	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°	3779.6	28.4
0°-40°	6218.8	46.7
0°-60°	11167.5	83.8
0°-90°	13324.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	13324.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4840	4840	4840	4840	4840	
5°	4858	4821	4803	4846	4834	462
15°	4710	4685	4673	4636	4599	1330
25°	4420	4414	4284	4327	4296	2038
35°	3987	3900	3876	3888	3863	2497
45°	3418	3338	3338	3344	3319	2632
55°	2646	2608	2670	2670	2658	2368
65°	1786	1762	1836	1860	970	1764
75°	859	865	124	136	136	910
85°	111	56	56	50	50	170
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4840.0	4840.0	4840.0	4840.0	4840.0
2.5°	4864.8	4827.5	4815.3	4846.2	4840.0
5°	4858.5	4821.4	4802.8	4846.2	4833.8
7.5°	4833.8	4796.7	4790.6	4840.0	4833.8
10°	4796.7	4772.0	4778.1	4821.4	4802.8
12.5°	4759.6	4734.9	4747.2	4734.9	4710.2
15°	4710.2	4685.4	4673.1	4636.0	4598.9
17.5°	4648.3	4636.0	4574.2	4561.8	4543.3
20°	4580.3	4580.3	4456.7	4493.9	4469.2
22.5°	4506.1	4506.1	4376.4	4413.5	4388.7
25°	4419.7	4413.5	4283.6	4326.9	4296.1
27.5°	4326.9	4296.1	4190.9	4228.0	4203.3
30°	4221.9	4166.2	4092.0	4116.8	4092.0
32.5°	4110.5	4030.2	3986.9	4005.5	3980.8
35°	3986.9	3900.5	3875.8	3888.0	3863.2
37.5°	3863.2	3770.6	3745.9	3764.3	3739.6
40°	3727.4	3640.7	3616.0	3628.5	3603.8
42.5°	3579.1	3504.9	3480.2	3486.3	3467.6
45°	3418.2	3337.9	3337.9	3344.0	3319.3
47.5°	3245.1	3177.2	3183.4	3189.6	3170.9
50°	3047.3	2997.9	3028.8	3035.1	3004.1
52.5°	2862.0	2812.6	2849.5	2862.0	2837.3
55°	2645.6	2608.5	2670.3	2670.3	2658.0
57.5°	2441.7	2404.5	2466.4	2491.1	2472.5
60°	2231.4	2194.4	2256.1	2299.4	2280.8
62.5°	2008.9	1978.0	2052.2	2107.8	2070.8
65°	1786.3	1761.6	1835.8	1860.5	970.4
67.5°	1557.7	1539.1	1625.8	587.3	154.5
70°	1322.8	1304.3	1353.8	148.4	148.4
72.5°	1081.8	1087.9	432.7	142.2	142.2
75°	859.3	865.4	123.6	136.0	136.0
77.5°	636.7	649.0	117.5	123.6	123.6
80°	432.7	315.3	105.0	105.0	105.0
82.5°	259.6	74.2	80.3	80.3	74.2
85°	111.3	55.6	55.6	49.5	49.5
87.5°	37.1	24.7	24.7	18.6	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)