

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-L830**

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-L830
Description: 8ft RSRK, 1000 LUMEN PER FOOT 80CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

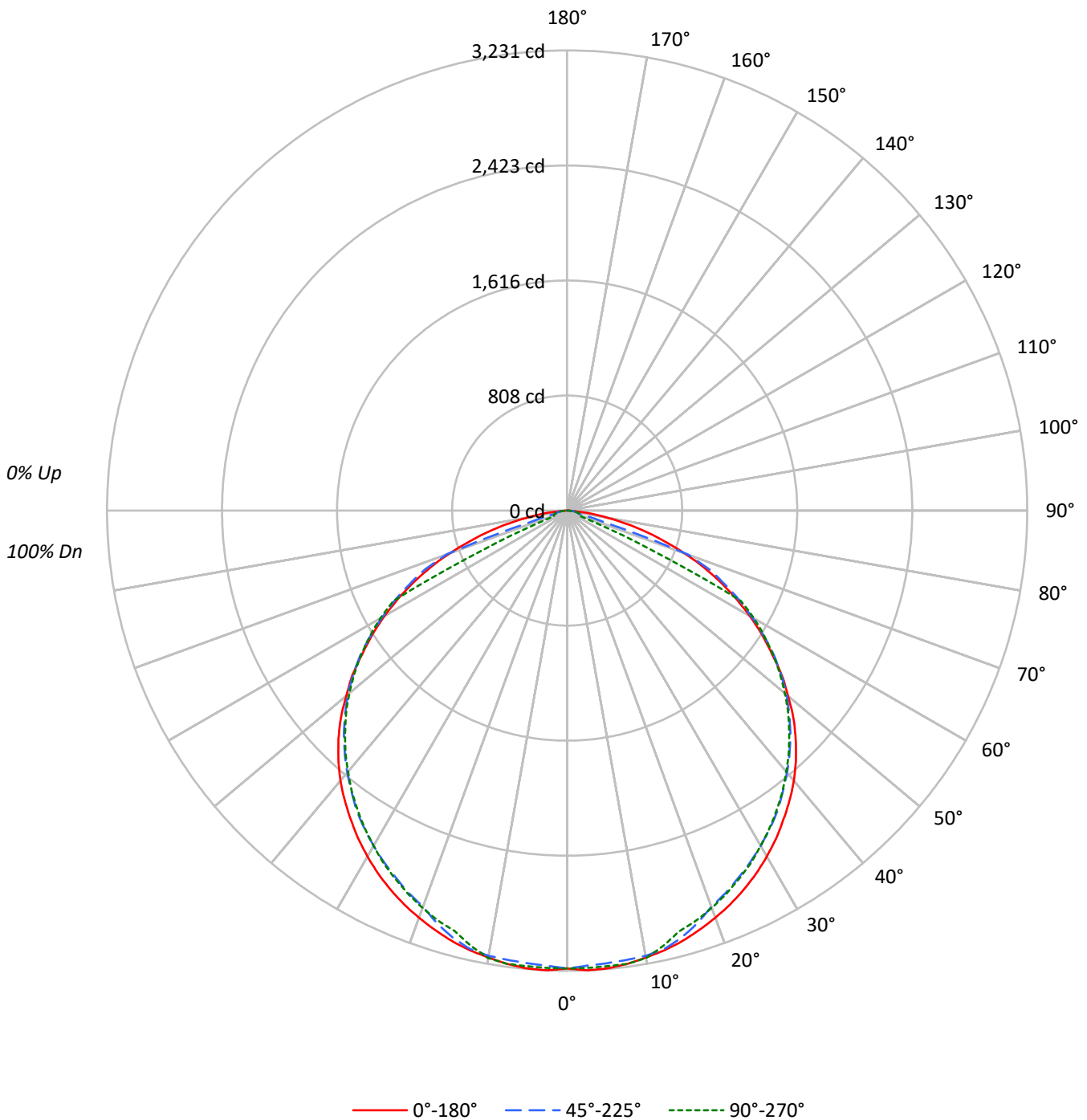
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8850.3 lumens
Efficiency: N/A
Efficacy: 307.3 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°	4326	4326	4326
5°	4359	4309	4336
10°	4353	4336	4359
15°	4358	4324	4255
20°	4356	4239	4250
25°	4358	4224	4236
30°	4357	4223	4223
35°	4350	4229	4215
40°	4349	4219	4204
45°	4320	4219	4195
50°	4237	4211	4177
55°	4122	4161	4141
60°	3988	4033	4077
65°	3777	3882	2052
70°	3456	3537	387
75°	2967	427	469
80°	2227	541	541
85°	1141	570	506



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.4	3.5
10°-20°	874.9	9.9
20°-30°	1330.1	15.0
30°-40°	1620.2	18.3
40°-50°	1714.5	19.4
50°-60°	1572.6	17.8
60°-70°	1060.7	12.0
70°-80°	320.6	3.6
80°-90°	51.3	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°	2510.5	28.4
0°-40°	4130.7	46.7
0°-60°	7417.7	83.8
0°-90°	8850.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8850.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3215	3215	3215	3215	3215	
5°	3227	3202	3190	3219	3211	307
15°	3129	3112	3104	3079	3055	883
25°	2936	2932	2845	2874	2854	1354
35°	2648	2591	2574	2582	2566	1658
45°	2270	2217	2217	2221	2205	1748
55°	1757	1733	1774	1774	1766	1573
65°	1186	1170	1219	1236	645	1171
75°	571	575	82	90	90	605
85°	74	37	37	33	33	113
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3214.9	3214.9	3214.9	3214.9	3214.9
2.5°	3231.3	3206.6	3198.5	3218.9	3214.9
5°	3227.2	3202.5	3190.2	3218.9	3210.7
7.5°	3210.7	3186.1	3182.0	3214.9	3210.7
10°	3186.1	3169.7	3173.7	3202.5	3190.2
12.5°	3161.5	3145.0	3153.3	3145.0	3128.6
15°	3128.6	3112.2	3104.0	3079.3	3054.7
17.5°	3087.6	3079.3	3038.3	3030.1	3017.8
20°	3042.3	3042.3	2960.2	2985.0	2968.5
22.5°	2993.1	2993.1	2906.9	2931.5	2915.1
25°	2935.7	2931.5	2845.3	2874.1	2853.6
27.5°	2874.1	2853.6	2783.7	2808.4	2791.9
30°	2804.3	2767.3	2718.0	2734.5	2718.0
32.5°	2730.3	2677.0	2648.2	2660.6	2644.1
35°	2648.2	2590.8	2574.4	2582.5	2566.1
37.5°	2566.1	2504.5	2488.1	2500.4	2484.0
40°	2475.8	2418.3	2401.8	2410.2	2393.7
42.5°	2377.3	2328.0	2311.6	2315.7	2303.3
45°	2270.5	2217.1	2217.1	2221.2	2204.8
47.5°	2155.5	2110.4	2114.5	2118.6	2106.2
50°	2024.1	1991.3	2011.8	2016.0	1995.4
52.5°	1901.0	1868.2	1892.7	1901.0	1884.6
55°	1757.3	1732.6	1773.7	1773.7	1765.5
57.5°	1621.8	1597.1	1638.3	1654.7	1642.3
60°	1482.1	1457.6	1498.6	1527.4	1515.0
62.5°	1334.3	1313.9	1363.1	1400.0	1375.5
65°	1186.5	1170.1	1219.4	1235.8	644.6
67.5°	1034.7	1022.3	1079.9	390.1	102.6
70°	878.6	866.4	899.2	98.5	98.5
72.5°	718.6	722.6	287.4	94.5	94.5
75°	570.8	574.8	82.1	90.3	90.3
77.5°	422.9	431.1	78.1	82.1	82.1
80°	287.4	209.4	69.8	69.8	69.8
82.5°	172.4	49.3	53.3	53.3	49.3
85°	73.9	36.9	36.9	32.8	32.8
87.5°	24.6	16.4	16.4	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)