

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: P289728

Luminaire Tested: **8SSRK-12-L830-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-11)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-12-L830-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12169.7 lumens
Efficiency: N/A
Efficacy: 150.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

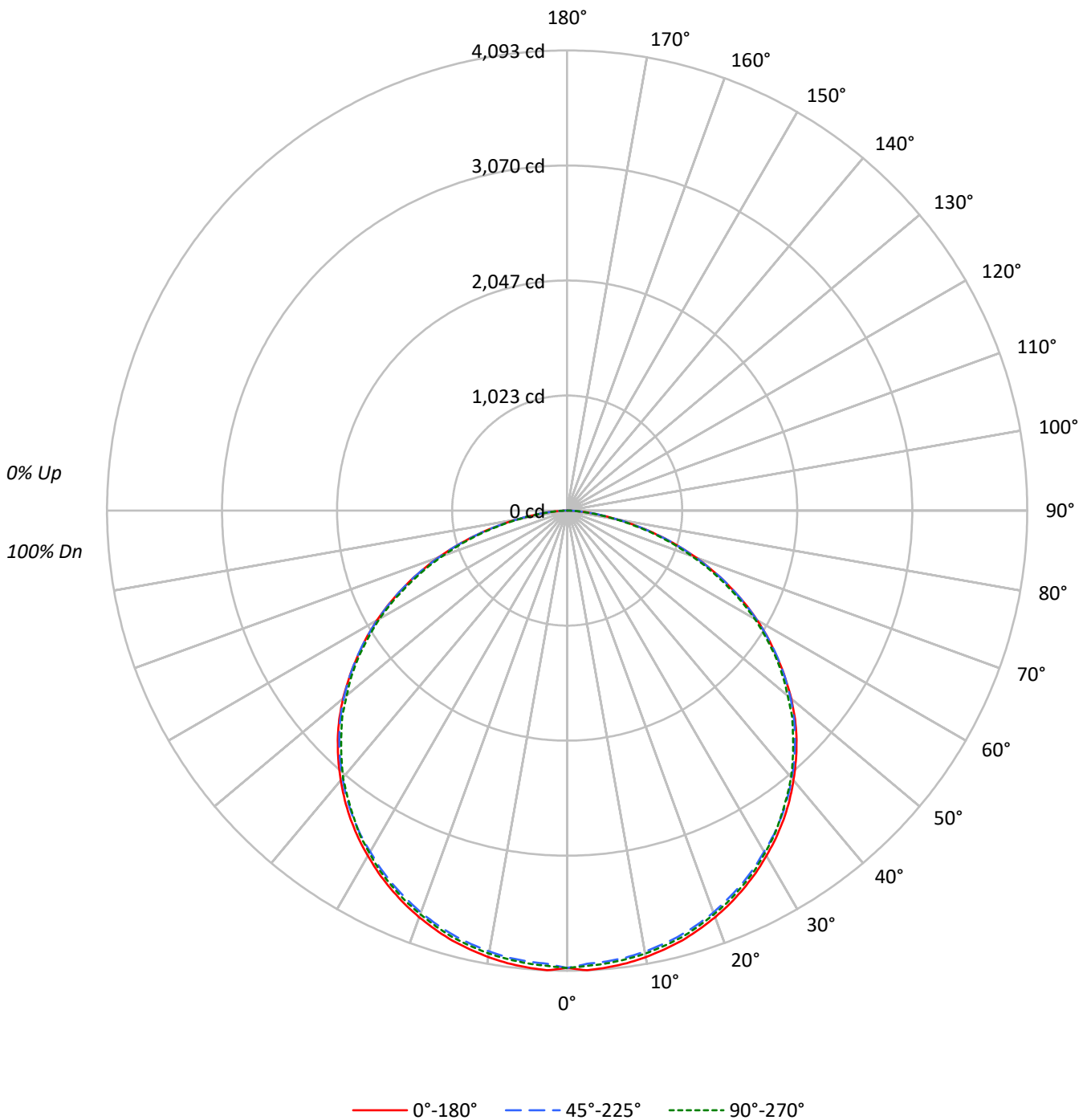
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	68	55	46	40	53	46	40	51	45	39	50	44	39	37					37			
7	64	51	42	36	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	38	32	58	45	37	32	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	37	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	131378	131378	131378
5°	131986	104499	97082
10°	131783	86989	76945
15°	131614	74181	63428
20°	131278	64237	53467
25°	130964	56201	45836
30°	130633	49464	39632
35°	130382	43807	34402
40°	129769	38716	29998
45°	129114	34058	25958
50°	127583	29688	22299
55°	124816	25429	18957
60°	121719	21287	15700
65°	116505	17163	12398
70°	109047	12969	9257
75°	95841	8867	6265
80°	75854	4953	3382
85°	48837	1790	1113



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	385.6	3.2
10°-20°	1110.9	9.1
20°-30°	1702.5	14.0
30°-40°	2086.9	17.1
40°-50°	2210.8	18.2
50°-60°	2038.5	16.8
60°-70°	1566.5	12.9
70°-80°	868.3	7.1
80°-90°	199.7	1.6
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°	3199.0	26.3
0°-40°	5285.8	43.4
0°-60°	9535.2	78.4
0°-90°	12169.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12169.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4068	4068	4068	4068	4068	
5°	4079	4062	4026	4064	4043	388
15°	3959	3940	3909	3944	3931	1117
25°	3711	3698	3669	3706	3686	1712
35°	3356	3340	3324	3336	3317	2099
45°	2886	2877	2866	2862	2842	2224
55°	2283	2300	2286	2276	2260	2042
65°	1593	1597	1594	1573	1554	1575
75°	828	829	825	812	800	876
85°	163	166	162	154	140	202
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4068.5	4068.5	4068.5	4068.5	4068.5
2.5°	4092.6	4072.6	4035.1	4072.6	4053.8
5°	4079.2	4061.9	4025.7	4064.5	4043.1
7.5°	4060.5	4045.8	4009.7	4047.1	4025.7
10°	4033.8	4017.7	3982.9	4023.1	4001.7
12.5°	3997.7	3982.9	3949.5	3987.0	3968.2
15°	3958.9	3940.1	3909.4	3944.2	3930.8
17.5°	3905.4	3890.7	3859.9	3893.3	3878.6
20°	3849.2	3834.5	3803.7	3837.2	3821.1
22.5°	3785.0	3770.3	3738.2	3774.3	3758.3
25°	3711.4	3698.1	3668.6	3706.1	3686.0
27.5°	3633.9	3623.2	3591.1	3621.8	3609.8
30°	3545.6	3538.9	3504.1	3528.2	3517.5
32.5°	3456.0	3443.9	3419.9	3438.6	3427.9
35°	3355.7	3339.6	3323.6	3335.6	3316.9
37.5°	3248.7	3238.0	3220.6	3231.3	3209.9
40°	3132.3	3123.0	3109.6	3112.3	3100.2
42.5°	3012.0	3001.3	2990.6	2985.2	2971.8
45°	2886.2	2876.9	2866.2	2862.2	2842.1
47.5°	2749.8	2743.1	2736.4	2727.1	2712.4
50°	2602.7	2605.4	2593.3	2585.3	2559.9
52.5°	2444.9	2460.9	2443.5	2431.5	2416.8
55°	2283.0	2300.4	2285.7	2276.3	2260.3
57.5°	2122.5	2130.6	2121.2	2114.5	2093.1
60°	1952.7	1959.4	1952.7	1938.0	1927.3
62.5°	1777.5	1785.5	1772.1	1761.4	1746.7
65°	1592.9	1596.9	1594.2	1572.8	1554.1
67.5°	1407.0	1413.7	1405.7	1391.0	1372.2
70°	1221.1	1217.1	1210.4	1199.7	1175.6
72.5°	1024.5	1024.5	1023.2	1003.1	991.1
75°	827.9	829.2	825.2	811.8	799.8
77.5°	631.3	646.0	635.3	621.9	608.5
80°	456.1	465.4	456.1	438.7	430.7
82.5°	291.6	304.9	296.9	279.5	276.9
85°	163.2	165.8	161.8	153.8	140.4
87.5°	61.5	64.2	65.5	53.5	46.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)