

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: P289722

Luminaire Tested: **8SSRK-10-L840-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289722
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-10-L840-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11337.3 lumens
Efficiency: N/A
Efficacy: 157.6 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

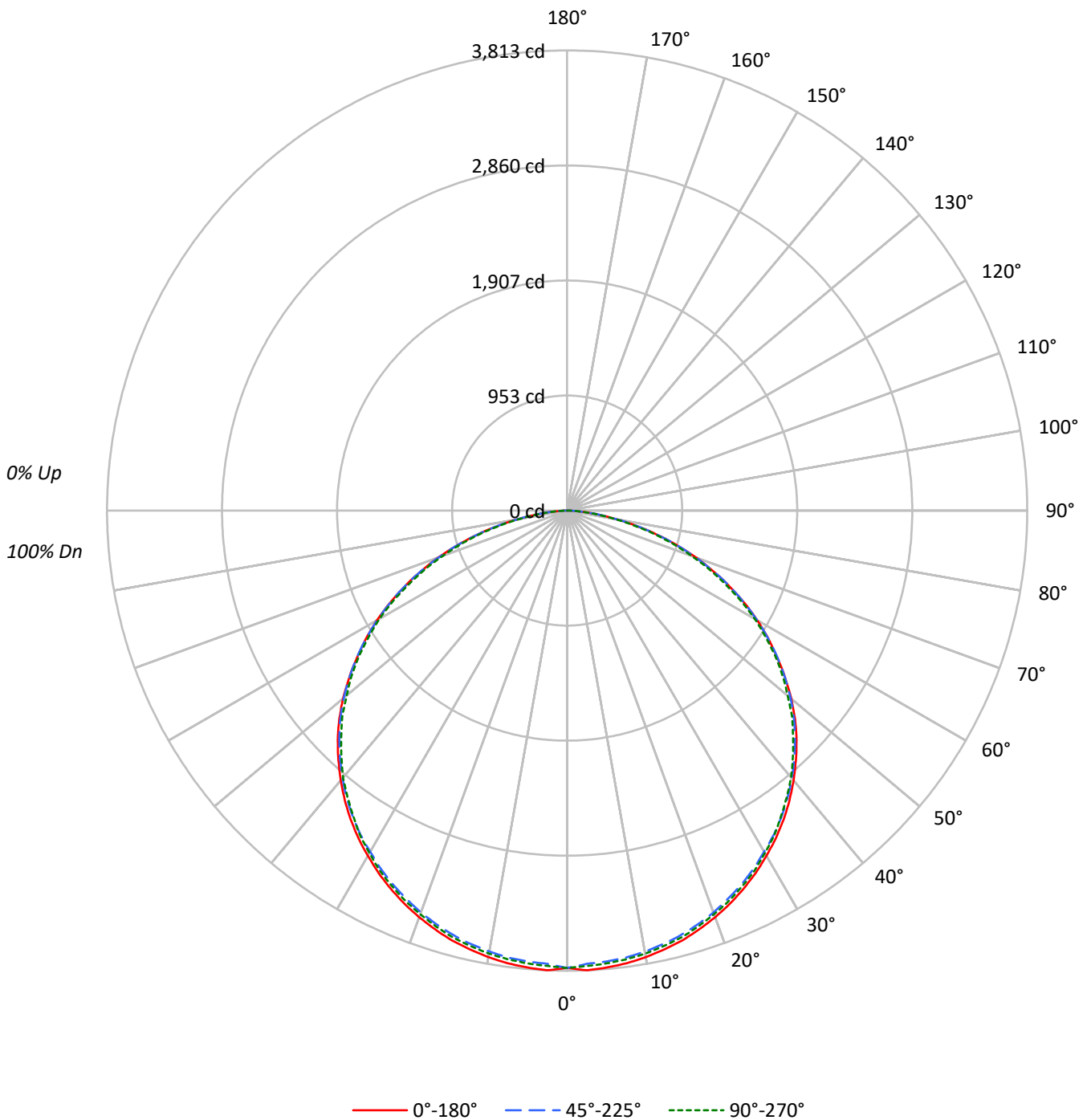
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	122394	122394	122394
5°	122959	97353	90443
10°	122769	81039	71682
15°	122611	69107	59089
20°	122298	59844	49811
25°	122008	52357	42701
30°	121699	46081	36921
35°	121465	40811	32048
40°	120895	36068	27947
45°	120284	31728	24183
50°	118858	27658	20774
55°	116282	23690	17661
60°	113391	19830	14626
65°	108540	15990	11550
70°	101590	12082	8624
75°	89289	8261	5836
80°	70665	4614	3150
85°	45485	1668	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.2	3.2
10°-20°	1034.9	9.1
20°-30°	1586.0	14.0
30°-40°	1944.2	17.1
40°-50°	2059.6	18.2
50°-60°	1899.1	16.8
60°-70°	1459.4	12.9
70°-80°	808.9	7.1
80°-90°	186.1	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°	2980.2	26.3
0°-40°	4924.3	43.4
0°-60°	8883.0	78.4
0°-90°	11337.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11337.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3790	3790	3790	3790	3790	
5°	3800	3784	3750	3786	3767	361
15°	3688	3671	3642	3674	3662	1041
25°	3458	3445	3418	3453	3434	1595
35°	3126	3111	3096	3108	3090	1956
45°	2689	2680	2670	2666	2648	2072
55°	2127	2143	2129	2121	2106	1902
65°	1484	1488	1485	1465	1448	1467
75°	771	772	769	756	745	816
85°	152	154	151	143	131	189
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3790.3	3790.3	3790.3	3790.3	3790.3
2.5°	3812.7	3794.0	3759.1	3794.0	3776.6
5°	3800.2	3784.0	3750.4	3786.5	3766.6
7.5°	3782.8	3769.1	3735.4	3770.3	3750.4
10°	3757.9	3742.9	3710.5	3747.9	3728.0
12.5°	3724.2	3710.5	3679.4	3714.3	3696.8
15°	3688.1	3670.7	3642.0	3674.4	3661.9
17.5°	3638.3	3624.6	3595.9	3627.0	3613.3
20°	3585.9	3572.2	3543.6	3574.7	3559.8
22.5°	3526.1	3512.4	3482.5	3516.2	3501.2
25°	3457.6	3445.1	3417.7	3452.6	3433.9
27.5°	3385.3	3375.4	3345.5	3374.1	3362.9
30°	3303.1	3296.9	3264.5	3286.9	3276.9
32.5°	3219.6	3208.4	3186.0	3203.4	3193.4
35°	3126.2	3111.2	3096.3	3107.5	3090.0
37.5°	3026.5	3016.5	3000.3	3010.3	2990.3
40°	2918.1	2909.4	2896.9	2899.4	2888.2
42.5°	2805.9	2796.0	2786.0	2781.0	2768.6
45°	2688.8	2680.1	2670.1	2666.4	2647.7
47.5°	2561.7	2555.5	2549.3	2540.6	2526.8
50°	2424.7	2427.2	2416.0	2408.5	2384.8
52.5°	2277.6	2292.6	2276.4	2265.2	2251.5
55°	2126.9	2143.1	2129.4	2120.7	2105.7
57.5°	1977.4	1984.8	1976.1	1969.9	1950.0
60°	1819.1	1825.4	1819.1	1805.4	1795.5
62.5°	1655.9	1663.4	1650.9	1641.0	1627.2
65°	1484.0	1487.7	1485.2	1465.3	1447.8
67.5°	1310.8	1317.0	1309.5	1295.8	1278.4
70°	1137.6	1133.8	1127.6	1117.6	1095.2
72.5°	954.4	954.4	953.2	934.5	923.3
75°	771.3	772.5	768.8	756.3	745.1
77.5°	588.1	601.8	591.8	579.4	566.9
80°	424.9	433.6	424.9	408.7	401.2
82.5°	271.6	284.1	276.6	260.4	257.9
85°	152.0	154.5	150.8	143.3	130.8
87.5°	57.3	59.8	61.1	49.8	43.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)