

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: P289726

Luminaire Tested: **8SSRK-12-L940-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289726
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-L940-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10650.7 lumens
Efficiency: N/A
Efficacy: 131.7 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

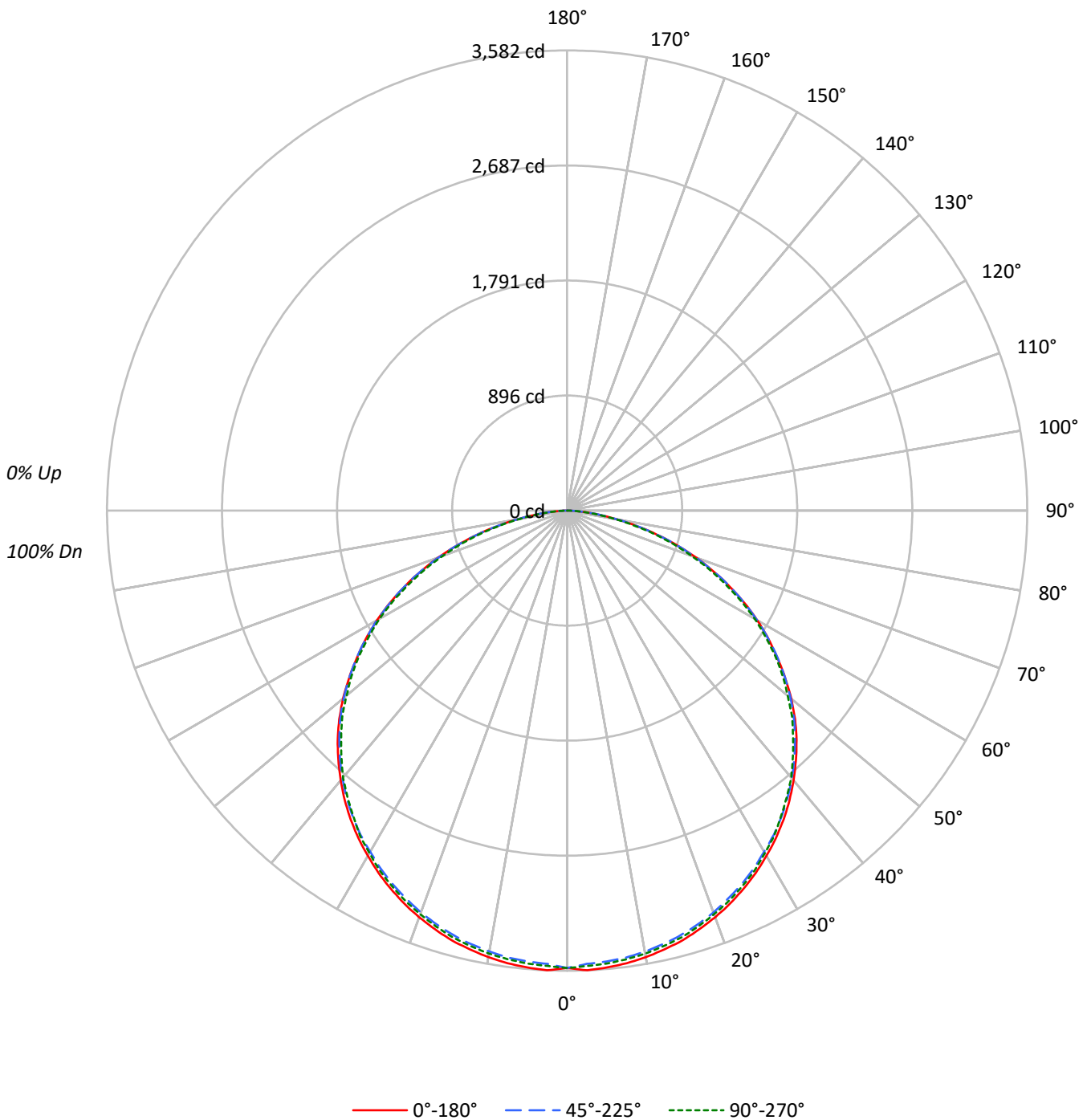
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	114980	114980	114980
5°	115514	91458	84966
10°	115334	76132	67340
15°	115187	64921	55511
20°	114894	56220	46794
25°	114619	49186	40116
30°	114330	43291	34686
35°	114106	38340	30108
40°	113574	33884	26255
45°	113001	29807	22719
50°	111657	25982	19516
55°	109240	22255	16591
60°	106528	18630	13740
65°	101965	15022	10850
70°	95437	11350	8102
75°	83883	7760	5483
80°	66374	4334	2959
85°	42732	1566	975



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.5	3.2
10°-20°	972.2	9.1
20°-30°	1490.0	14.0
30°-40°	1826.4	17.1
40°-50°	1934.9	18.2
50°-60°	1784.0	16.8
60°-70°	1371.0	12.9
70°-80°	759.9	7.1
80°-90°	174.8	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°	2799.7	26.3
0°-40°	4626.1	43.4
0°-60°	8345.0	78.4
0°-90°	10650.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10650.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3561	3561	3561	3561	3561	
5°	3570	3555	3523	3557	3538	339
15°	3465	3448	3421	3452	3440	978
25°	3248	3236	3211	3244	3226	1498
35°	2937	2923	2909	2919	2903	1837
45°	2526	2518	2508	2505	2487	1946
55°	1998	2013	2000	1992	1978	1787
65°	1394	1398	1395	1376	1360	1378
75°	725	726	722	710	700	766
85°	143	145	142	135	123	177
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3560.7	3560.7	3560.7	3560.7	3560.7
2.5°	3581.8	3564.2	3531.5	3564.2	3547.9
5°	3570.1	3554.9	3523.3	3557.2	3538.5
7.5°	3553.7	3540.8	3509.2	3542.0	3523.3
10°	3530.3	3516.3	3485.8	3520.9	3502.2
12.5°	3498.7	3485.8	3456.6	3489.3	3472.9
15°	3464.8	3448.4	3421.4	3451.9	3440.2
17.5°	3417.9	3405.1	3378.1	3407.4	3394.5
20°	3368.8	3355.9	3329.0	3358.2	3344.2
22.5°	3312.6	3299.7	3271.6	3303.2	3289.2
25°	3248.2	3236.5	3210.7	3243.5	3226.0
27.5°	3180.3	3171.0	3142.9	3169.8	3159.2
30°	3103.1	3097.2	3066.8	3087.8	3078.5
32.5°	3024.6	3014.1	2993.0	3009.4	3000.1
35°	2936.8	2922.8	2908.8	2919.3	2902.9
37.5°	2843.2	2833.8	2818.6	2828.0	2809.3
40°	2741.4	2733.2	2721.5	2723.8	2713.3
42.5°	2636.0	2626.7	2617.3	2612.6	2600.9
45°	2526.0	2517.8	2508.4	2504.9	2487.4
47.5°	2406.6	2400.7	2394.9	2386.7	2373.8
50°	2277.8	2280.2	2269.6	2262.6	2240.4
52.5°	2139.7	2153.8	2138.5	2128.0	2115.1
55°	1998.1	2013.3	2000.4	1992.2	1978.2
57.5°	1857.6	1864.6	1856.5	1850.6	1831.9
60°	1709.0	1714.8	1709.0	1696.1	1686.7
62.5°	1555.6	1562.6	1550.9	1541.6	1528.7
65°	1394.1	1397.6	1395.3	1376.5	1360.1
67.5°	1231.4	1237.2	1230.2	1217.3	1201.0
70°	1068.7	1065.2	1059.3	1050.0	1028.9
72.5°	896.6	896.6	895.5	877.9	867.4
75°	724.6	725.7	722.2	710.5	700.0
77.5°	552.5	565.4	556.0	544.3	532.6
80°	399.1	407.3	399.1	383.9	376.9
82.5°	255.2	266.9	259.9	244.6	242.3
85°	142.8	145.1	141.6	134.6	122.9
87.5°	53.8	56.2	57.4	46.8	41.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)