

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: P289721

Luminaire Tested: **8SSRK-10-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289721
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-L835-CD1-U
Description: 10000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 80 CRI 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11148.3 lumens
Efficiency: N/A
Efficacy: 155.0 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

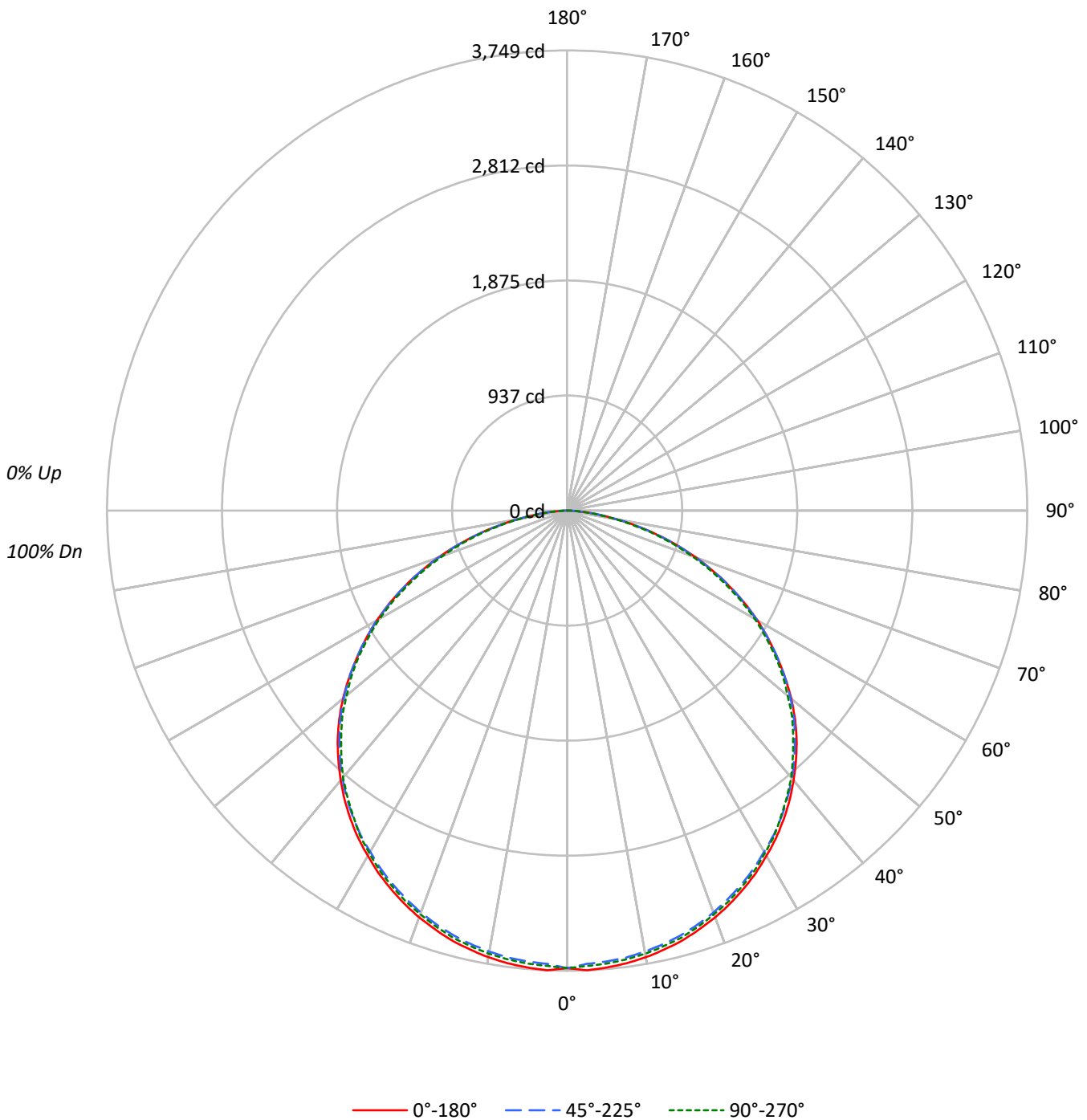
Input Watts (W): 71.9151
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	120354	120354	120354
5°	120911	95730	88935
10°	120721	79689	70486
15°	120566	67955	58104
20°	120259	58846	48979
25°	119972	51484	41990
30°	119669	45312	36306
35°	119437	40130	31514
40°	118877	35467	27481
45°	118280	31199	23780
50°	116872	27197	20427
55°	114341	23295	17366
60°	111503	19500	14382
65°	106727	15723	11358
70°	99894	11881	8481
75°	87795	8123	5739
80°	69484	4537	3097
85°	44737	1639	1020



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	353.2	3.2
10°-20°	1017.7	9.1
20°-30°	1559.6	14.0
30°-40°	1911.7	17.1
40°-50°	2025.3	18.2
50°-60°	1867.4	16.8
60°-70°	1435.0	12.9
70°-80°	795.4	7.1
80°-90°	183.0	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°	2930.5	26.3
0°-40°	4842.2	43.4
0°-60°	8734.8	78.4
0°-90°	11148.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	11148.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3727	3727	3727	3727	3727	
5°	3737	3721	3688	3723	3704	355
15°	3627	3609	3581	3613	3601	1023
25°	3400	3388	3361	3395	3377	1568
35°	3074	3059	3045	3056	3038	1923
45°	2644	2635	2626	2622	2604	2037
55°	2091	2107	2094	2085	2071	1870
65°	1459	1463	1460	1441	1424	1443
75°	758	760	756	744	733	802
85°	150	152	148	141	129	185
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3727.1	3727.1	3727.1	3727.1	3727.1
2.5°	3749.1	3730.7	3696.4	3730.7	3713.6
5°	3736.9	3720.9	3687.9	3723.4	3703.8
7.5°	3719.7	3706.2	3673.2	3707.5	3687.9
10°	3695.2	3680.5	3648.7	3685.4	3665.8
12.5°	3662.1	3648.7	3618.0	3652.3	3635.2
15°	3626.6	3609.4	3581.3	3613.1	3600.9
17.5°	3577.6	3564.1	3535.9	3566.6	3553.1
20°	3526.1	3512.7	3484.5	3515.1	3500.4
22.5°	3467.3	3453.8	3424.4	3457.5	3442.8
25°	3399.9	3387.7	3360.7	3395.0	3376.7
27.5°	3328.9	3319.1	3289.7	3317.8	3306.8
30°	3248.0	3241.9	3210.0	3232.1	3222.3
32.5°	3165.9	3154.9	3132.8	3150.0	3140.2
35°	3074.0	3059.3	3044.6	3055.7	3038.5
37.5°	2976.0	2966.2	2950.3	2960.1	2940.5
40°	2869.4	2860.8	2848.6	2851.0	2840.0
42.5°	2759.2	2749.4	2739.6	2734.7	2722.4
45°	2644.0	2635.4	2625.6	2621.9	2603.6
47.5°	2519.0	2512.9	2506.8	2498.2	2484.7
50°	2384.2	2386.7	2375.7	2368.3	2345.0
52.5°	2239.7	2254.4	2238.4	2227.4	2213.9
55°	2091.4	2107.3	2093.9	2085.3	2070.6
57.5°	1944.4	1951.7	1943.2	1937.0	1917.4
60°	1788.8	1794.9	1788.8	1775.3	1765.5
62.5°	1628.3	1635.6	1623.4	1613.6	1600.1
65°	1459.2	1462.9	1460.4	1440.8	1423.7
67.5°	1288.9	1295.0	1287.7	1274.2	1257.1
70°	1118.6	1114.9	1108.8	1099.0	1077.0
72.5°	938.5	938.5	937.3	918.9	907.9
75°	758.4	759.6	755.9	743.7	732.7
77.5°	578.3	591.8	582.0	569.7	557.5
80°	417.8	426.4	417.8	401.9	394.5
82.5°	267.1	279.3	272.0	256.1	253.6
85°	149.5	151.9	148.2	140.9	128.6
87.5°	56.4	58.8	60.0	49.0	42.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)