

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: P289713

Luminaire Tested: **8SSRK-80-L835-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289713
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-80-L835-CD1-U
Description: 8000 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: 9085.4 lumens
Efficiency: N/A
Efficacy: 160.4 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

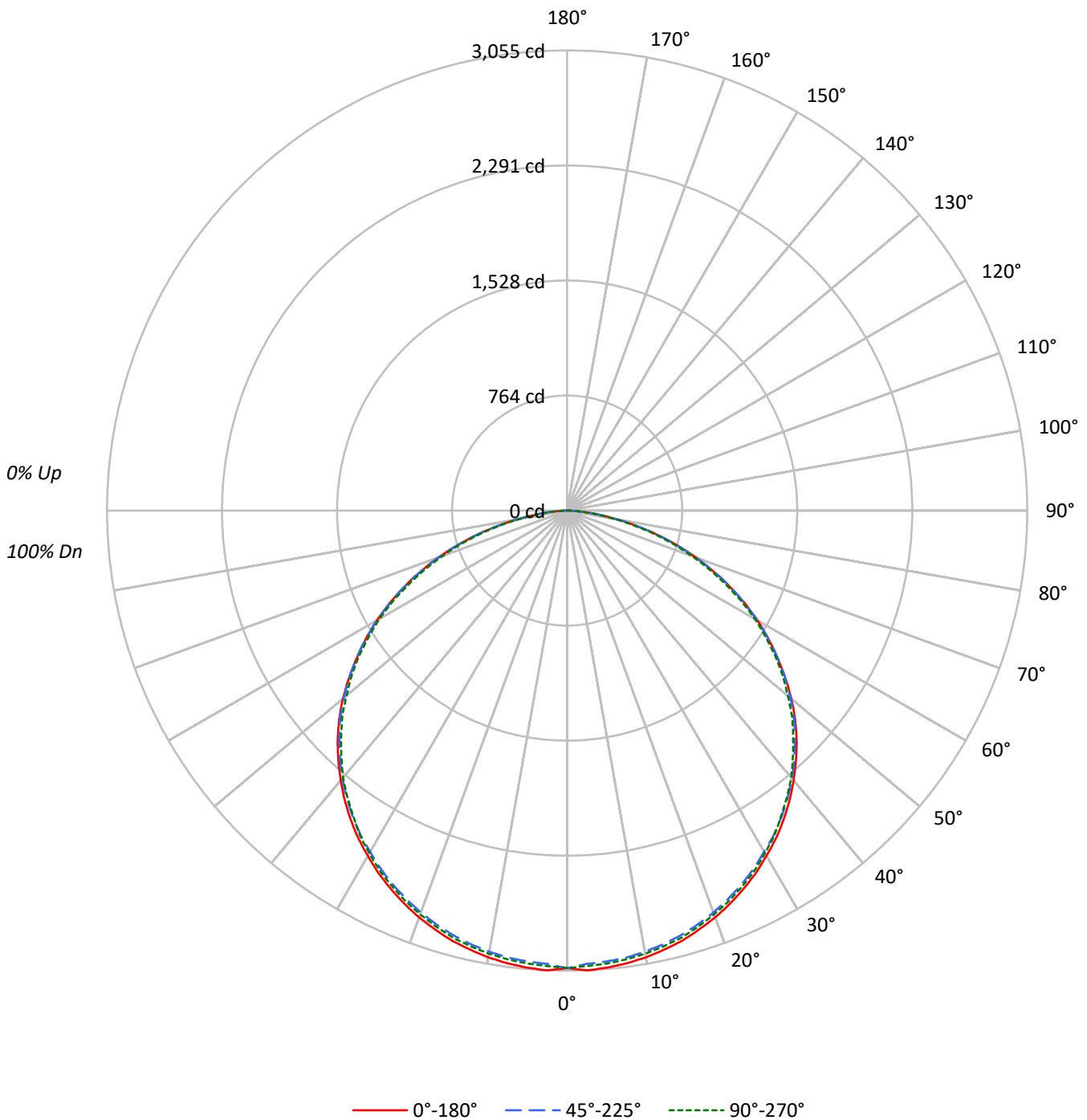
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	98082	98082	98082
5°	98537	78017	72477
10°	98381	64943	57444
15°	98256	55381	47353
20°	98008	47957	39917
25°	97773	41959	34219
30°	97526	36927	29587
35°	97337	32704	25683
40°	96882	28904	22396
45°	96391	25427	19379
50°	95250	22164	16648
55°	93183	18984	14152
60°	90870	15892	11720
65°	86979	12814	9255
70°	81408	9682	6911
75°	71554	6620	4677
80°	56628	3698	2524
85°	36448	1336	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.9	3.2
10°-20°	829.4	9.1
20°-30°	1271.0	14.0
30°-40°	1558.0	17.1
40°-50°	1650.5	18.2
50°-60°	1521.8	16.8
60°-70°	1169.5	12.9
70°-80°	648.2	7.1
80°-90°	149.1	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°	2388.2	26.3
0°-40°	3946.2	43.4
0°-60°	7118.5	78.4
0°-90°	9085.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9085.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3037	3037	3037	3037	3037	
5°	3045	3032	3006	3034	3018	290
15°	2956	2942	2919	2944	2935	834
25°	2771	2761	2739	2767	2752	1278
35°	2505	2493	2481	2490	2476	1567
45°	2155	2148	2140	2137	2122	1660
55°	1704	1717	1706	1699	1687	1524
65°	1189	1192	1190	1174	1160	1176
75°	618	619	616	606	597	654
85°	122	124	121	115	105	151
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3037.4	3037.4	3037.4	3037.4	3037.4
2.5°	3055.4	3040.4	3012.4	3040.4	3026.4
5°	3045.4	3032.4	3005.5	3034.4	3018.4
7.5°	3031.4	3020.4	2993.5	3021.4	3005.5
10°	3011.4	2999.5	2973.5	3003.5	2987.5
12.5°	2984.5	2973.5	2948.5	2976.5	2962.5
15°	2955.5	2941.6	2918.6	2944.5	2934.6
17.5°	2915.6	2904.6	2881.6	2906.6	2895.6
20°	2873.7	2862.7	2839.7	2864.7	2852.7
22.5°	2825.7	2814.7	2790.8	2817.7	2805.8
25°	2770.8	2760.8	2738.9	2766.8	2751.8
27.5°	2712.9	2704.9	2680.9	2703.9	2694.9
30°	2647.0	2642.0	2616.0	2634.0	2626.0
32.5°	2580.1	2571.1	2553.1	2567.1	2559.1
35°	2505.2	2493.2	2481.2	2490.2	2476.3
37.5°	2425.3	2417.3	2404.4	2412.4	2396.4
40°	2338.5	2331.5	2321.5	2323.5	2314.5
42.5°	2248.6	2240.6	2232.6	2228.6	2218.6
45°	2154.7	2147.8	2139.8	2136.8	2121.8
47.5°	2052.9	2047.9	2042.9	2035.9	2024.9
50°	1943.1	1945.1	1936.1	1930.1	1911.1
52.5°	1825.2	1837.2	1824.2	1815.3	1804.3
55°	1704.4	1717.4	1706.4	1699.4	1687.4
57.5°	1584.6	1590.6	1583.6	1578.6	1562.6
60°	1457.8	1462.8	1457.8	1446.8	1438.8
62.5°	1327.0	1333.0	1323.0	1315.0	1304.0
65°	1189.2	1192.2	1190.2	1174.2	1160.2
67.5°	1050.4	1055.4	1049.4	1038.4	1024.5
70°	911.6	908.6	903.6	895.6	877.7
72.5°	764.8	764.8	763.8	748.9	739.9
75°	618.1	619.1	616.1	606.1	597.1
77.5°	471.3	482.3	474.3	464.3	454.3
80°	340.5	347.5	340.5	327.5	321.5
82.5°	217.7	227.7	221.7	208.7	206.7
85°	121.8	123.8	120.8	114.8	104.8
87.5°	45.9	47.9	48.9	39.9	34.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)