

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: P289724

Luminaire Tested: **8SSRK-12-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289724
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-L930-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH NO LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9796.6 lumens
Efficiency: N/A
Efficacy: 121.1 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

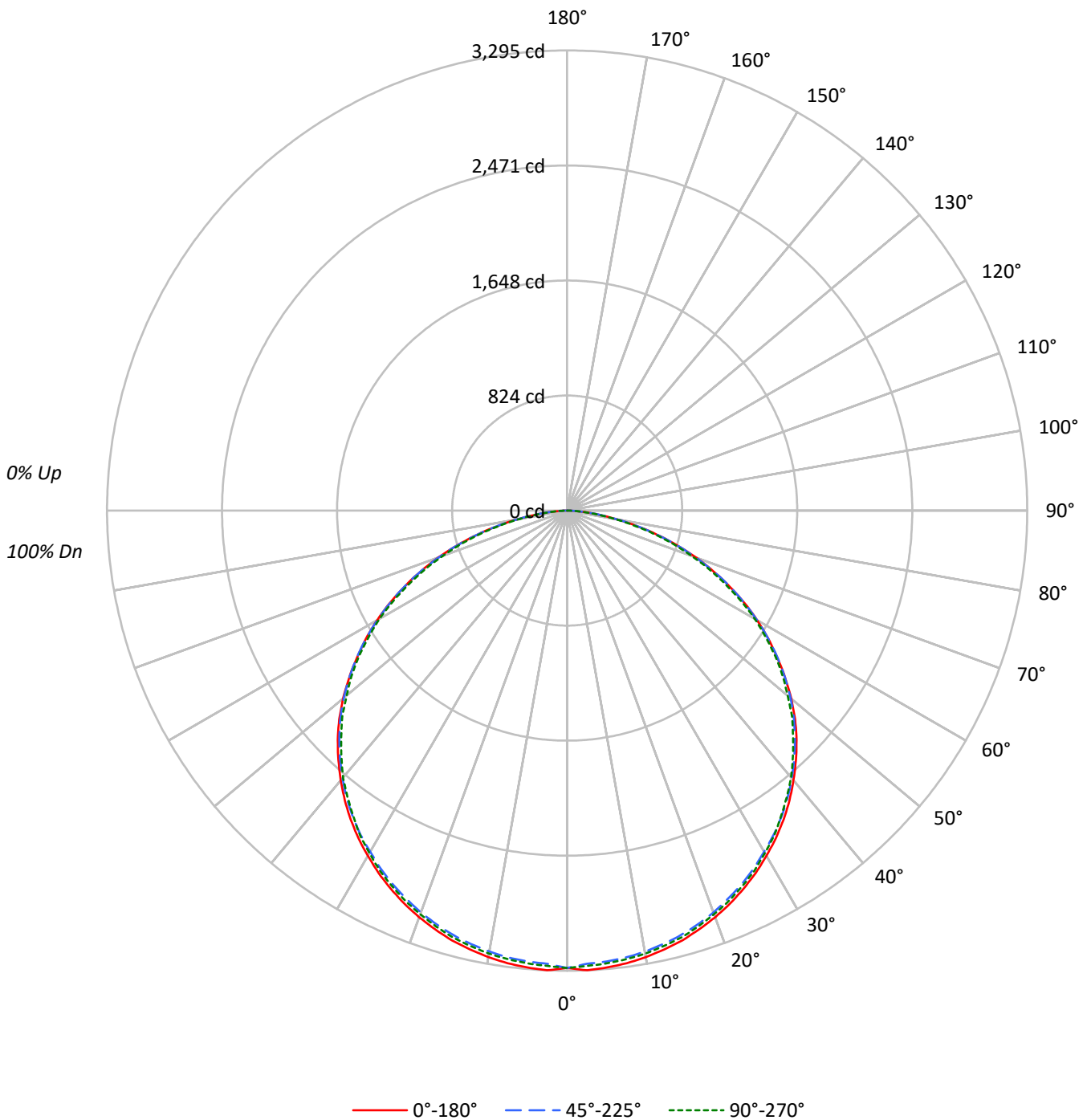
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	105761	105761	105761
5°	106250	84122	78151
10°	106085	70027	61939
15°	105949	59716	51059
20°	105679	51711	43041
25°	105427	45243	36899
30°	105160	39818	31904
35°	104956	35265	27693
40°	104464	31166	24149
45°	103937	27417	20896
50°	102706	23898	17951
55°	100476	20470	15260
60°	97982	17135	12639
65°	93788	13817	9981
70°	87784	10441	7452
75°	77145	7138	5043
80°	61052	3986	2722
85°	39321	1441	896



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.4	3.2
10°-20°	894.3	9.1
20°-30°	1370.5	14.0
30°-40°	1680.0	17.1
40°-50°	1779.7	18.2
50°-60°	1641.0	16.8
60°-70°	1261.1	12.9
70°-80°	698.9	7.1
80°-90°	160.8	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°	2575.2	26.3
0°-40°	4255.1	43.4
0°-60°	7675.8	78.4
0°-90°	9796.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9796.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3275	3275	3275	3275	3275	
5°	3284	3270	3241	3272	3255	312
15°	3187	3172	3147	3175	3164	899
25°	2988	2977	2953	2983	2967	1378
35°	2701	2688	2676	2685	2670	1690
45°	2323	2316	2307	2304	2288	1790
55°	1838	1852	1840	1832	1820	1644
65°	1282	1286	1283	1266	1251	1268
75°	666	668	664	654	644	705
85°	131	134	130	124	113	163
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3275.2	3275.2	3275.2	3275.2	3275.2
2.5°	3294.6	3278.4	3248.3	3278.4	3263.3
5°	3283.8	3269.8	3240.7	3271.9	3254.7
7.5°	3268.7	3256.9	3227.8	3257.9	3240.7
10°	3247.2	3234.3	3206.3	3238.6	3221.3
12.5°	3218.1	3206.3	3179.4	3209.5	3194.4
15°	3186.9	3171.8	3147.1	3175.0	3164.3
17.5°	3143.8	3132.0	3107.2	3134.1	3122.3
20°	3098.6	3086.8	3062.0	3088.9	3076.0
22.5°	3046.9	3035.1	3009.2	3038.3	3025.4
25°	2987.7	2976.9	2953.3	2983.4	2967.3
27.5°	2925.3	2916.7	2890.8	2915.6	2905.9
30°	2854.2	2848.8	2820.8	2840.2	2831.6
32.5°	2782.1	2772.4	2753.0	2768.1	2759.5
35°	2701.3	2688.4	2675.5	2685.2	2670.1
37.5°	2615.2	2606.6	2592.6	2601.2	2584.0
40°	2521.5	2514.0	2503.2	2505.4	2495.7
42.5°	2424.6	2416.0	2407.4	2403.1	2392.3
45°	2323.4	2315.9	2307.3	2304.0	2287.9
47.5°	2213.6	2208.2	2202.8	2195.3	2183.5
50°	2095.2	2097.3	2087.6	2081.2	2060.7
52.5°	1968.1	1981.0	1967.0	1957.4	1945.5
55°	1837.8	1851.8	1840.0	1832.5	1819.5
57.5°	1708.6	1715.1	1707.6	1702.2	1685.0
60°	1571.9	1577.3	1571.9	1560.1	1551.5
62.5°	1430.9	1437.3	1426.6	1418.0	1406.1
65°	1282.3	1285.5	1283.4	1266.1	1251.1
67.5°	1132.6	1138.0	1131.6	1119.7	1104.6
70°	983.0	979.8	974.4	965.8	946.4
72.5°	824.7	824.7	823.6	807.5	797.8
75°	666.4	667.5	664.3	653.5	643.8
77.5°	508.2	520.0	511.4	500.6	489.9
80°	367.1	374.7	367.1	353.1	346.7
82.5°	234.7	245.5	239.0	225.0	222.9
85°	131.4	133.5	130.3	123.8	113.0
87.5°	49.5	51.7	52.8	43.1	37.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)