

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: P289988

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-LW-12-L930-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH ROUND FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8144.9 lumens
Efficiency: N/A
Efficacy: 100.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

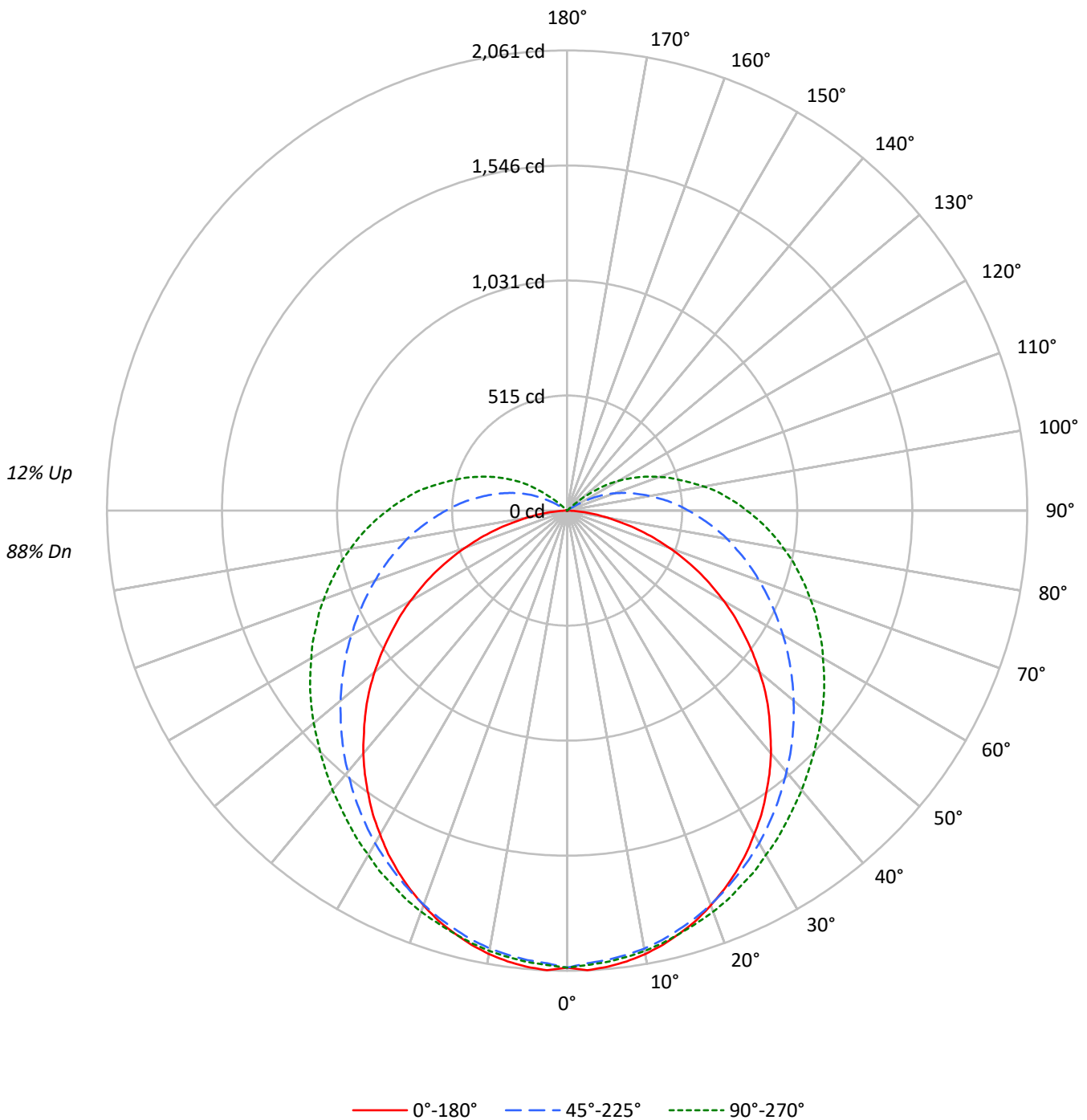
Input Watts (W): 80.8951
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	0	
RCR																						
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	91	91	91	88				
1	103	97	92	87	99	94	89	84	87	83	79	81	78	75	75	73	71	67				
2	93	83	75	68	89	80	73	67	74	68	63	69	64	60	65	61	57	54				
3	84	72	63	56	80	70	61	54	65	58	52	60	54	50	56	51	47	44				
4	76	63	54	47	73	61	52	46	57	50	44	53	47	42	50	44	40	37				
5	70	56	47	40	67	54	46	39	51	43	37	48	41	36	45	39	34	32				
6	65	50	41	34	62	49	40	34	46	38	32	43	36	31	40	35	30	28				
7	60	46	36	30	57	44	36	30	42	34	28	39	32	27	37	31	26	24				
8	55	41	33	27	53	40	32	26	38	31	25	36	29	24	34	28	24	21				
9	52	38	30	24	50	37	29	23	35	28	23	33	27	22	31	25	21	19				
10	49	35	27	21	47	34	26	21	32	25	21	31	24	20	29	23	19	17				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	66094	66094	66094
5°	66365	52461	48734
10°	65885	43504	38508
15°	65110	36836	31620
20°	64152	31729	26757
25°	63068	27629	23003
30°	61724	24288	20065
35°	60324	21444	17722
40°	58838	19022	15815
45°	57127	16965	14220
50°	55152	15160	12905
55°	52862	13572	11785
60°	50540	12171	10780
65°	47563	10919	9903
70°	43463	9806	9131
75°	38017	8805	8409
80°	30268	7903	7735
85°	19660	6990	7121



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.3	2.4
10°-20°	551.7	6.8
20°-30°	836.6	10.3
30°-40°	1021.0	12.5
40°-50°	1099.6	13.5
50°-60°	1080.0	13.3
60°-70°	975.9	12.0
70°-80°	812.5	10.0
80°-90°	623.1	7.7
90°-100°	451.1	5.5
100°-110°	291.4	3.6
110°-120°	157.1	1.9
120°-130°	49.7	0.6
130°-140°	1.9	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°	1581.6	19.4
0°-40°	2602.6	32.0
0°-60°	4782.2	58.7
0°-90°	7193.7	88.3
90°-120°	899.7	11.0
90°-150°	951.2	11.7
90°-180°	951.0	11.7
0°-180°	8144.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2047	2047	2047	2047	2047	
5°	2051	2044	2021	2036	2030	195
15°	1958	1954	1941	1963	1960	552
25°	1787	1790	1804	1842	1850	823
35°	1553	1573	1627	1692	1709	971
45°	1277	1325	1428	1521	1557	985
55°	967	1063	1220	1356	1405	866
65°	650	791	1014	1184	1241	642
75°	328	545	819	1009	1074	348
85°	66	334	632	829	898	79
90°	2	251	543	738	804	4
95°	4	182	460	651	715	3
105°	4	65	299	468	526	5
115°	3	3	151	298	354	3
125°	2	1	1	120	170	2
135°	0	0	0	0	0	1
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2046.8	2046.8	2046.8	2046.8	2046.8
2.5°	2060.8	2052.2	2029.6	2043.6	2037.1
5°	2051.1	2043.6	2021.0	2036.0	2029.6
7.5°	2037.1	2029.6	2008.0	2023.1	2017.7
10°	2016.7	2009.1	1991.9	2007.0	2002.7
12.5°	1990.8	1985.4	1969.3	1987.6	1983.3
15°	1958.5	1954.2	1941.3	1962.8	1959.6
17.5°	1924.1	1919.7	1912.2	1934.8	1935.9
20°	1881.0	1879.9	1878.8	1907.9	1912.2
22.5°	1836.8	1837.9	1842.2	1877.8	1884.2
25°	1787.3	1789.5	1803.5	1842.2	1849.8
27.5°	1734.6	1742.1	1762.6	1807.8	1819.6
30°	1675.3	1688.3	1720.6	1767.9	1780.9
32.5°	1617.2	1631.2	1674.3	1730.2	1747.5
35°	1552.6	1573.1	1626.9	1691.5	1708.7
37.5°	1488.0	1511.7	1578.4	1648.4	1670.0
40°	1420.2	1451.4	1527.8	1606.4	1634.4
42.5°	1346.9	1391.1	1479.4	1563.4	1594.6
45°	1277.0	1325.4	1427.7	1521.4	1556.9
47.5°	1204.8	1263.0	1376.0	1480.5	1518.1
50°	1125.1	1195.1	1324.3	1439.5	1481.5
52.5°	1047.6	1130.5	1272.7	1397.6	1443.8
55°	966.9	1062.7	1219.9	1355.6	1405.1
57.5°	891.5	993.8	1169.3	1311.4	1364.2
60°	810.8	927.0	1116.5	1270.5	1323.3
62.5°	728.9	860.3	1064.9	1226.4	1285.6
65°	650.3	791.4	1014.2	1184.4	1241.4
67.5°	566.3	728.9	964.7	1139.1	1203.7
70°	486.7	664.3	915.2	1096.1	1159.6
72.5°	407.0	601.9	866.7	1053.0	1117.6
75°	328.4	544.8	819.4	1008.9	1073.5
77.5°	249.8	484.5	770.9	964.7	1032.6
80°	182.0	431.8	727.8	919.5	985.2
82.5°	123.8	382.2	679.4	876.4	943.2
85°	65.7	333.8	632.0	829.1	898.0
87.5°	19.4	290.7	585.7	782.8	851.7
90°	2.2	250.9	542.7	737.5	804.3
92.5°	3.2	216.4	501.7	696.6	761.2
95°	4.3	182.0	459.7	651.4	714.9
97.5°	4.3	151.8	416.7	605.1	672.9
100°	4.3	122.7	375.8	557.7	620.2
102.5°	4.3	95.8	337.0	510.4	571.7
105°	4.3	64.6	299.3	468.4	526.5
107.5°	4.3	32.3	262.7	427.4	484.5
110°	4.3	6.5	226.1	385.5	440.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	4.3	190.6	341.3	397.3
115°	3.2	3.2	150.7	298.2	354.2
117.5°	3.2	3.2	107.7	258.4	309.0
120°	3.2	2.2	62.4	216.4	267.0
122.5°	2.2	2.2	20.5	168.0	222.9
125°	2.2	1.1	1.1	119.5	170.1
127.5°	2.2	1.1	0.0	66.8	115.2
130°	2.2	1.1	0.0	19.4	65.7
132.5°	2.2	1.1	0.0	0.0	14.0
135°	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)