

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: P289972

Luminaire Tested: **8SSRK-LW-80-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P289972
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-80-L930-CD1-U
Description: 8000 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: 5977.6 lumens
Efficiency: N/A
Efficacy: 105.5 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

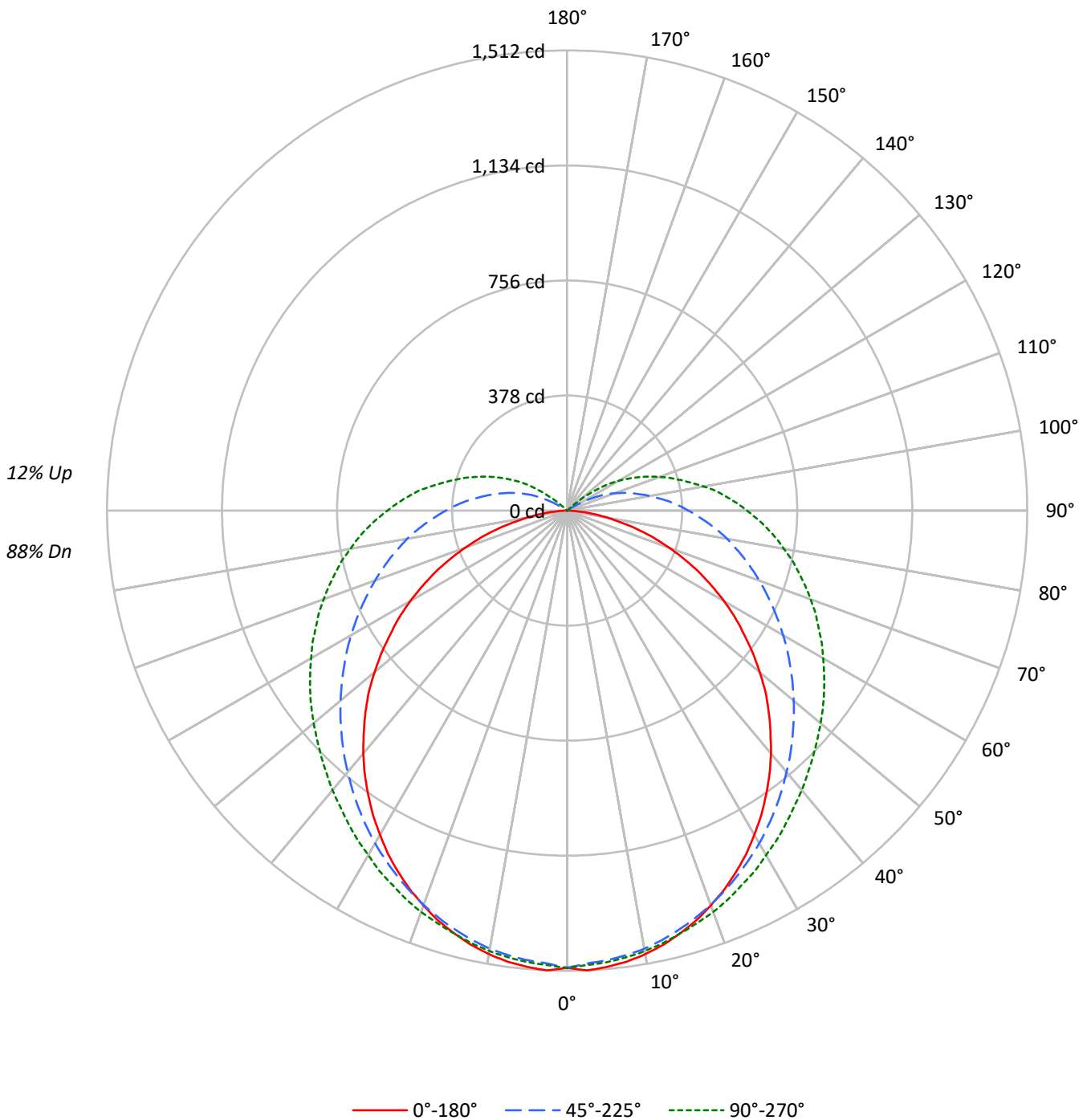
Input Watts (W): 56.6491
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	48505	48505	48505
5°	48705	38501	35766
10°	48351	31926	28259
15°	47783	27034	23205
20°	47082	23287	19637
25°	46286	20277	16881
30°	45299	17824	14726
35°	44270	15738	13006
40°	43182	13961	11607
45°	41926	12451	10436
50°	40475	11126	9472
55°	38795	9960	8649
60°	37089	8932	7911
65°	34910	8014	7268
70°	31899	7197	6701
75°	27899	6461	6171
80°	22202	5801	5677
85°	14424	5130	5226



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.9	2.4
10°-20°	404.9	6.8
20°-30°	614.0	10.3
30°-40°	749.3	12.5
40°-50°	807.0	13.5
50°-60°	792.6	13.3
60°-70°	716.2	12.0
70°-80°	596.3	10.0
80°-90°	457.3	7.7
90°-100°	331.1	5.5
100°-110°	213.9	3.6
110°-120°	115.3	1.9
120°-130°	36.5	0.6
130°-140°	1.4	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°	1160.7	19.4
0°-40°	1910.0	32.0
0°-60°	3509.7	58.7
0°-90°	5279.4	88.3
90°-120°	660.3	11.0
90°-150°	698.1	11.7
90°-180°	698.0	11.7
0°-180°	5977.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1502	1502	1502	1502	1502	
5°	1505	1500	1483	1494	1490	143
15°	1437	1434	1425	1440	1438	405
25°	1312	1313	1324	1352	1358	604
35°	1139	1154	1194	1241	1254	713
45°	937	973	1048	1116	1143	723
55°	710	780	895	995	1031	636
65°	477	581	744	869	911	471
75°	241	400	601	740	788	255
85°	48	245	464	608	659	58
90°	2	184	398	541	590	3
95°	3	134	337	478	525	3
105°	3	47	220	344	386	3
115°	2	2	111	219	260	2
125°	2	1	1	88	125	2
135°	0	0	0	0	0	0
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°	1502.1	1502.1	1502.1	1502.1	1502.1
2.5°	1512.4	1506.1	1489.5	1499.8	1495.0
5°	1505.3	1499.8	1483.2	1494.2	1489.5
7.5°	1495.0	1489.5	1473.7	1484.8	1480.8
10°	1480.0	1474.5	1461.8	1472.9	1469.7
12.5°	1461.1	1457.1	1445.3	1458.7	1455.5
15°	1437.3	1434.2	1424.7	1440.5	1438.1
17.5°	1412.1	1408.9	1403.4	1420.0	1420.8
20°	1380.5	1379.7	1378.9	1400.2	1403.4
22.5°	1348.1	1348.8	1352.0	1378.1	1382.8
25°	1311.7	1313.3	1323.6	1352.0	1357.5
27.5°	1273.0	1278.5	1293.5	1326.7	1335.4
30°	1229.5	1239.0	1262.7	1297.5	1307.0
32.5°	1186.9	1197.1	1228.7	1269.8	1282.5
35°	1139.4	1154.5	1194.0	1241.4	1254.0
37.5°	1092.0	1109.4	1158.4	1209.8	1225.6
40°	1042.3	1065.2	1121.3	1179.0	1199.5
42.5°	988.5	1020.9	1085.7	1147.4	1170.3
45°	937.2	972.7	1047.8	1116.5	1142.6
47.5°	884.2	926.9	1009.9	1086.5	1114.2
50°	825.7	877.1	971.9	1056.5	1087.3
52.5°	768.9	829.7	934.0	1025.7	1059.6
55°	709.6	779.9	895.3	994.8	1031.2
57.5°	654.3	729.3	858.1	962.4	1001.2
60°	595.0	680.4	819.4	932.4	971.1
62.5°	535.0	631.4	781.5	900.0	943.5
65°	477.3	580.8	744.4	869.2	911.1
67.5°	415.6	535.0	708.0	836.0	883.4
70°	357.2	487.5	671.7	804.4	851.0
72.5°	298.7	441.7	636.1	772.8	820.2
75°	241.0	399.8	601.3	740.4	787.8
77.5°	183.3	355.6	565.8	708.0	757.8
80°	133.5	316.9	534.2	674.8	723.0
82.5°	90.9	280.5	498.6	643.2	692.2
85°	48.2	245.0	463.8	608.4	659.0
87.5°	14.2	213.4	429.9	574.5	625.0
90°	1.6	184.1	398.3	541.3	590.3
92.5°	2.4	158.8	368.2	511.3	558.7
95°	3.2	133.5	337.4	478.1	524.7
97.5°	3.2	111.4	305.8	444.1	493.9
100°	3.2	90.1	275.8	409.3	455.1
102.5°	3.2	70.3	247.3	374.5	419.6
105°	3.2	47.4	219.7	343.7	386.4
107.5°	3.2	23.7	192.8	313.7	355.6
110°	3.2	4.7	165.9	282.9	323.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	3.2	139.9	250.5	291.6
115°	2.4	2.4	110.6	218.9	260.0
117.5°	2.4	2.4	79.0	189.6	226.8
120°	2.4	1.6	45.8	158.8	196.0
122.5°	1.6	1.6	15.0	123.3	163.6
125°	1.6	0.8	0.8	87.7	124.8
127.5°	1.6	0.8	0.0	49.0	84.5
130°	1.6	0.8	0.0	14.2	48.2
132.5°	1.6	0.8	0.0	0.0	10.3
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)