

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: P290516

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1901-078-17)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SSRK-SLW-12-L930-CD1-U
Description: 12000 LUMEN, 8 FOOT SSRK LED LUMINAIRE WITH SQUARE FROSTED LENS AND 90 CRI 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

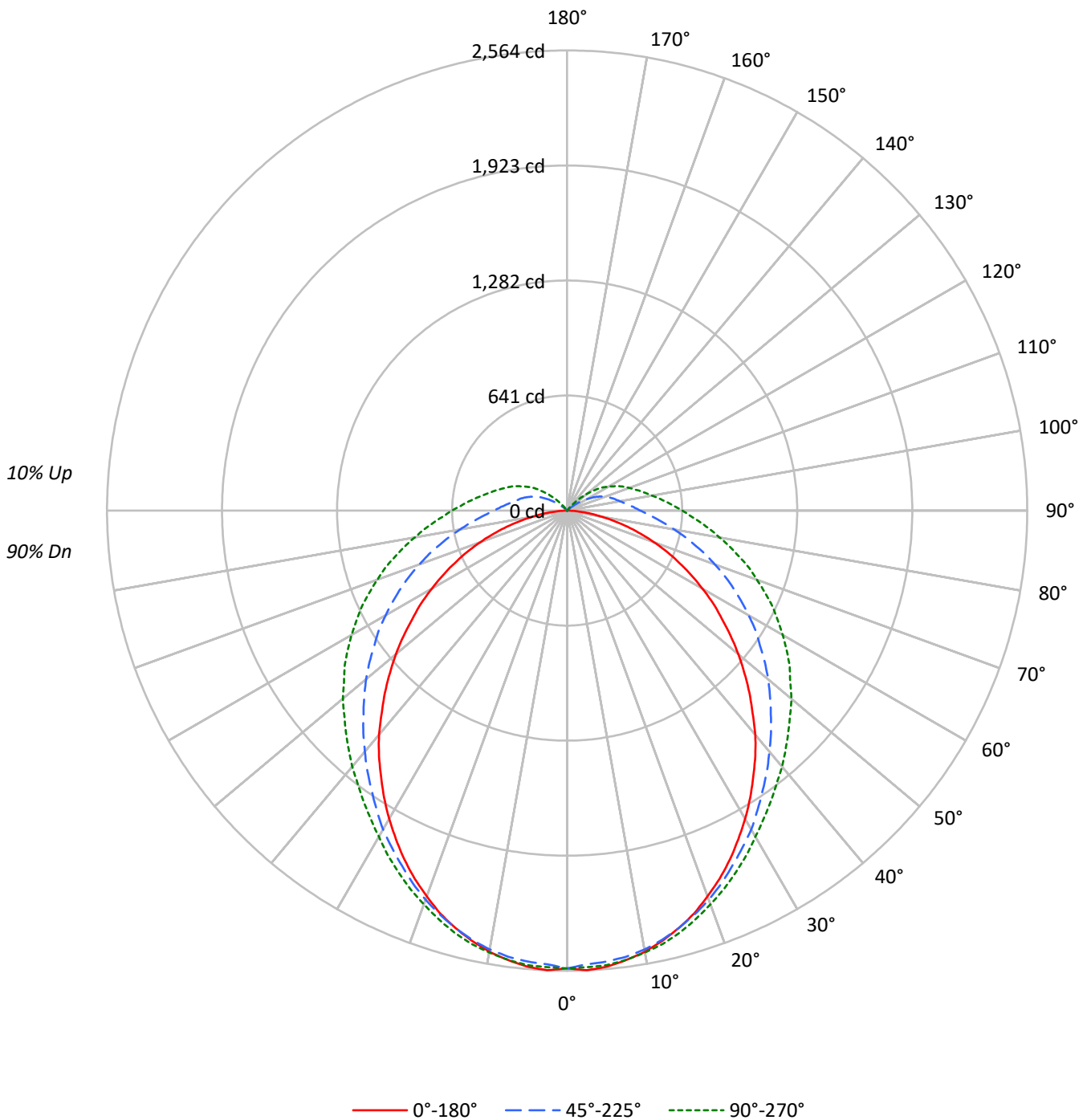
Lumens per Lamp: N/A
Luminaire Lumens: 8645.1 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.23 / 1.34
Luminous Opening: Rectangular w/ Sides (W: 0.04' x L: 8' x H: 0.17')
CIE Type: Direct

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	0
RCR																		
0	117	117	117	117	113	113	113	113	106	106	106	99	99	99	93	93	93	90
1	104	99	94	89	101	96	91	87	89	86	82	84	81	78	79	76	74	71
2	94	85	78	71	91	82	76	70	77	72	67	72	68	64	68	64	61	58
3	86	74	66	59	82	72	64	58	68	61	55	63	58	53	60	55	51	48
4	78	66	56	49	75	64	55	49	60	53	47	56	50	45	53	48	43	41
5	72	59	49	42	69	57	48	42	54	46	40	50	44	39	48	42	38	35
6	66	53	43	37	64	51	43	36	48	41	35	46	39	34	43	37	33	31
7	61	48	39	32	59	46	38	32	44	36	31	42	35	30	39	34	29	27
8	57	43	35	29	55	42	34	28	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	23	48	36	28	23	34	27	23	33	26	22	31	26	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82363	82363	82363
5°	82527	65482	61038
10°	81534	54226	48070
15°	80034	45681	39262
20°	77992	38966	32677
25°	75719	33416	27647
30°	73069	28967	23643
35°	70236	25047	20513
40°	67575	21823	18023
45°	64253	19075	15921
50°	61064	16738	14209
55°	57569	14601	12696
60°	54224	12735	11305
65°	50474	11000	10066
70°	45955	9379	8860
75°	40008	7891	7767
80°	32414	6571	6771
85°	22862	5478	5900



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	241.0	2.8
10°-20°	681.7	7.9
20°-30°	1008.5	11.7
30°-40°	1191.1	13.8
40°-50°	1238.1	14.3
50°-60°	1167.3	13.5
60°-70°	995.0	11.5
70°-80°	752.5	8.7
80°-90°	507.8	5.9
90°-100°	348.6	4.0
100°-110°	250.0	2.9
110°-120°	160.4	1.9
120°-130°	81.8	0.9
130°-140°	20.8	0.2
140°-150°	0.3	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1931.2	22.3
0°-40°	3122.3	36.1
0°-60°	5527.8	63.9
0°-90°	7783.1	90.0
90°-120°	759.1	8.8
90°-150°	862.0	10.0
90°-180°	862.0	10.0
0°-180°	8645.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2551	2551	2551	2551	2551	
5°	2551	2544	2523	2546	2542	242
15°	2407	2415	2407	2431	2433	678
25°	2146	2170	2181	2219	2223	987
35°	1808	1851	1900	1957	1978	1132
45°	1436	1507	1605	1704	1743	1108
55°	1053	1162	1312	1454	1514	945
65°	690	830	1022	1191	1262	685
75°	346	514	734	922	992	369
85°	76	257	495	678	744	87
90°	1	182	407	580	642	4
95°	1	144	347	500	556	1
105°	2	93	263	378	421	2
115°	2	12	182	285	321	2
125°	2	3	76	178	213	2
135°	2	1	1	56	83	2
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°	2550.6	2550.6	2550.6	2550.6	2550.6
2.5°	2563.5	2554.9	2530.1	2551.7	2546.3
5°	2550.6	2544.1	2522.6	2546.3	2542.0
7.5°	2525.8	2524.7	2507.5	2532.3	2524.7
10°	2495.7	2496.8	2482.8	2507.5	2500.0
12.5°	2454.8	2459.1	2449.4	2473.1	2472.0
15°	2407.4	2414.9	2407.4	2431.1	2433.2
17.5°	2353.6	2365.4	2360.0	2389.1	2385.9
20°	2286.8	2303.0	2307.3	2336.3	2335.3
22.5°	2220.1	2240.5	2248.0	2278.2	2282.5
25°	2145.8	2170.5	2181.3	2219.0	2223.3
27.5°	2065.0	2097.3	2116.7	2154.4	2164.1
30°	1983.2	2017.6	2052.1	2089.8	2098.4
32.5°	1898.1	1935.8	1975.7	2027.3	2037.0
35°	1807.7	1850.8	1900.3	1957.4	1977.8
37.5°	1722.6	1771.1	1829.2	1896.0	1917.5
40°	1631.1	1680.7	1752.8	1828.2	1862.6
42.5°	1528.8	1595.6	1681.7	1772.2	1802.3
45°	1436.3	1507.3	1605.3	1704.3	1743.1
47.5°	1339.4	1422.3	1533.2	1643.0	1685.0
50°	1245.7	1336.1	1462.1	1580.5	1631.1
52.5°	1148.8	1251.1	1387.8	1519.2	1566.5
55°	1053.0	1161.7	1312.4	1453.5	1513.8
57.5°	966.8	1077.7	1244.6	1388.9	1450.3
60°	869.9	998.1	1168.2	1323.2	1387.8
62.5°	780.6	910.8	1092.8	1257.5	1322.1
65°	690.1	830.1	1021.7	1190.8	1261.8
67.5°	605.1	746.1	949.6	1125.1	1192.9
70°	514.6	667.5	875.3	1056.2	1125.1
72.5°	431.7	588.9	806.4	989.4	1063.7
75°	345.6	513.6	734.3	921.6	991.6
77.5°	269.2	440.4	669.7	858.1	928.1
80°	194.9	373.6	605.1	794.6	862.4
82.5°	132.4	312.2	548.0	736.4	803.2
85°	76.4	257.3	495.3	678.3	744.0
87.5°	29.1	214.3	447.9	627.7	688.0
90°	1.1	182.0	407.0	580.3	641.7
92.5°	1.1	159.3	375.8	537.2	594.3
95°	1.1	144.3	346.7	499.6	555.6
97.5°	2.2	132.4	320.8	466.2	515.7
100°	2.2	120.6	299.3	433.9	481.3
102.5°	2.2	108.7	279.9	404.8	449.0
105°	2.2	92.6	262.7	377.9	421.0
107.5°	2.2	72.1	243.3	355.3	393.0
110°	2.2	52.8	222.9	332.7	369.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.2	32.3	204.6	310.1	345.6
115°	2.2	11.8	182.0	285.3	320.8
117.5°	2.2	4.3	155.0	261.6	292.8
120°	2.2	3.2	129.2	235.8	267.0
122.5°	2.2	3.2	102.3	207.8	241.2
125°	2.2	3.2	76.4	177.6	213.2
127.5°	2.2	2.2	49.5	146.4	178.7
130°	2.2	2.2	23.7	116.3	147.5
132.5°	2.2	2.2	1.1	85.1	115.2
135°	2.2	1.1	1.1	56.0	82.9
137.5°	2.2	1.1	0.0	26.9	53.8
140°	2.2	1.1	0.0	0.0	21.5
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)