

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: P567284

Luminaire Tested: **8SNX-120SL-SLW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-120SL-SLW-UNV-L840-CD
Description: 8FT 12000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

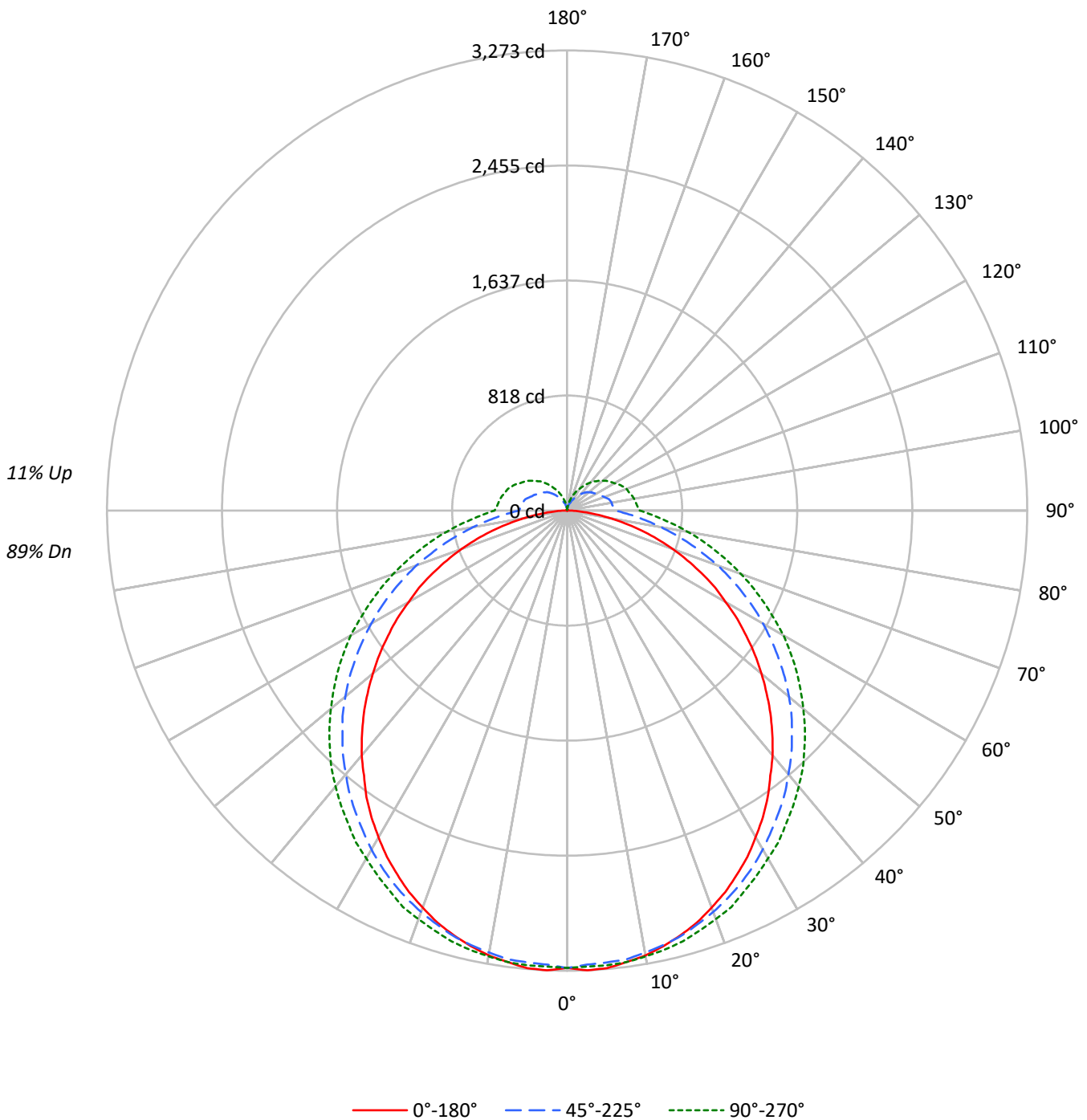
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11580.0 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 84
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	92	92	92	89				
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71				
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58				
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49				
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41				
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35				
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31				
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27				
8	57	44	35	29	55	42	34	29	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	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17506	17506	17506
5°	17630	17067	17042
10°	17525	16733	16620
15°	17366	16388	16232
20°	17144	15992	15799
25°	16885	15603	15348
30°	16573	15176	14900
35°	16231	14732	14480
40°	15836	14295	14078
45°	15410	13850	13644
50°	14922	13379	13157
55°	14387	12813	12679
60°	13758	12208	12146
65°	13118	11525	11475
70°	12211	10775	10818
75°	11011	9818	10090
80°	9030	8847	9374
85°	6663	8025	8638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.0	2.7
10°-20°	888.1	7.7
20°-30°	1350.3	11.7
30°-40°	1639.2	14.2
40°-50°	1732.1	15.0
50°-60°	1620.8	14.0
60°-70°	1329.9	11.5
70°-80°	914.7	7.9
80°-90°	500.9	4.3
90°-100°	322.6	2.8
100°-110°	289.4	2.5
110°-120°	239.6	2.1
120°-130°	184.5	1.6
130°-140°	129.6	1.1
140°-150°	78.1	0.7
150°-160°	37.4	0.3
160°-170°	12.3	0.1
170°-180°	1.5	0.0
0°-30°	2547.3	22.0
0°-40°	4186.5	36.2
0°-60°	7539.4	65.1
0°-90°	10285.0	88.8
90°-120°	851.6	7.4
90°-150°	1243.8	10.7
90°-180°	1295.0	11.2
0°-180°	11580.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3253	3253	3253	3253	3253	
5°	3266	3260	3226	3253	3246	310
15°	3125	3139	3132	3172	3172	881
25°	2857	2891	2924	2985	2985	1317
35°	2488	2549	2622	2696	2716	1554
45°	2046	2140	2260	2361	2388	1577
55°	1556	1683	1838	1952	1992	1392
65°	1053	1194	1375	1502	1543	1043
75°	550	698	899	1040	1086	579
85°	121	288	490	624	671	139
90°	0	161	342	470	516	8
95°	0	154	329	449	496	0
105°	0	127	308	422	463	4
115°	7	114	262	376	422	7
125°	7	94	221	322	362	6
135°	7	74	181	262	295	5
145°	7	54	127	201	221	4
155°	7	34	80	127	148	3
165°	7	20	40	60	74	2
175°	7	7	13	13	7	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3252.8	3252.8	3252.8	3252.8	3252.8
2.5°	3273.0	3266.3	3232.7	3259.6	3246.1
5°	3266.3	3259.6	3226.0	3252.8	3246.1
7.5°	3239.4	3239.4	3219.3	3246.1	3239.4
10°	3212.6	3212.6	3192.5	3226.0	3219.3
12.5°	3172.4	3179.1	3165.7	3205.9	3199.2
15°	3125.4	3138.8	3132.1	3172.4	3172.4
17.5°	3071.8	3085.2	3085.2	3132.1	3132.1
20°	3004.7	3024.8	3038.2	3091.9	3091.9
22.5°	2937.6	2964.5	2984.6	3031.5	3051.6
25°	2857.1	2890.7	2924.2	2984.6	2984.6
27.5°	2776.7	2816.9	2857.1	2917.5	2924.2
30°	2682.8	2729.7	2783.4	2843.7	2857.1
32.5°	2588.9	2649.2	2702.9	2776.7	2796.8
35°	2488.3	2548.6	2622.4	2696.2	2716.3
37.5°	2374.2	2448.0	2541.9	2622.4	2642.5
40°	2273.6	2354.1	2448.0	2541.9	2562.0
42.5°	2159.6	2246.8	2360.8	2448.0	2481.6
45°	2045.6	2139.5	2260.2	2360.8	2387.7
47.5°	1924.9	2032.2	2166.3	2260.2	2293.8
50°	1804.2	1918.2	2059.0	2166.3	2193.2
52.5°	1683.4	1804.2	1951.7	2059.0	2092.6
55°	1556.0	1683.4	1837.7	1951.7	1992.0
57.5°	1435.3	1562.7	1723.7	1844.4	1884.6
60°	1301.1	1448.7	1609.7	1730.4	1777.3
62.5°	1187.1	1321.3	1495.6	1616.4	1656.6
65°	1053.0	1193.8	1374.9	1502.3	1542.6
67.5°	925.6	1073.1	1254.2	1388.3	1428.6
70°	798.1	945.7	1140.2	1267.6	1314.6
72.5°	670.7	824.9	1012.7	1153.6	1200.5
75°	550.0	697.5	898.7	1039.6	1086.5
77.5°	422.5	583.5	784.7	925.6	979.2
80°	308.5	476.2	677.4	818.2	871.9
82.5°	207.9	375.6	576.8	717.6	771.3
85°	120.7	288.4	489.6	623.7	670.7
87.5°	60.4	221.3	409.1	543.3	590.2
90°	0.0	161.0	342.1	469.5	516.4
92.5°	0.0	154.3	335.3	456.1	503.0
95°	0.0	154.3	328.6	449.4	496.3
97.5°	0.0	147.6	321.9	449.4	489.6
100°	0.0	140.8	321.9	442.7	482.9
102.5°	0.0	134.1	315.2	435.9	476.2
105°	0.0	127.4	308.5	422.5	462.8
107.5°	6.7	127.4	295.1	415.8	456.1
110°	6.7	120.7	281.7	409.1	449.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.7	114.0	268.3	395.7	435.9
115°	6.7	114.0	261.6	375.6	422.5
117.5°	6.7	107.3	248.2	362.2	409.1
120°	6.7	107.3	241.4	348.8	389.0
122.5°	6.7	100.6	228.0	335.3	375.6
125°	6.7	93.9	221.3	321.9	362.2
127.5°	6.7	87.2	214.6	308.5	348.8
130°	6.7	80.5	201.2	295.1	328.6
132.5°	6.7	80.5	194.5	275.0	315.2
135°	6.7	73.8	181.1	261.6	295.1
137.5°	6.7	67.1	167.7	248.2	281.7
140°	6.7	60.4	154.3	234.7	261.6
142.5°	6.7	60.4	140.8	214.6	241.4
145°	6.7	53.7	127.4	201.2	221.3
147.5°	6.7	46.9	114.0	181.1	201.2
150°	6.7	46.9	100.6	161.0	181.1
152.5°	6.7	40.2	87.2	147.6	167.7
155°	6.7	33.5	80.5	127.4	147.6
157.5°	6.7	33.5	67.1	107.3	127.4
160°	6.7	26.8	60.4	87.2	107.3
162.5°	6.7	26.8	53.7	73.8	93.9
165°	6.7	20.1	40.2	60.4	73.8
167.5°	6.7	20.1	33.5	46.9	60.4
170°	6.7	13.4	26.8	33.5	46.9
172.5°	6.7	13.4	20.1	20.1	20.1
175°	6.7	6.7	13.4	13.4	6.7
177.5°	6.7	6.7	6.7	6.7	6.7
180°	6.7	6.7	6.7	6.7	6.7

(END OF REPORT)