

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: P567473

Luminaire Tested: **8SNX-162HL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567473
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-162HL-LW-UNV-L950-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

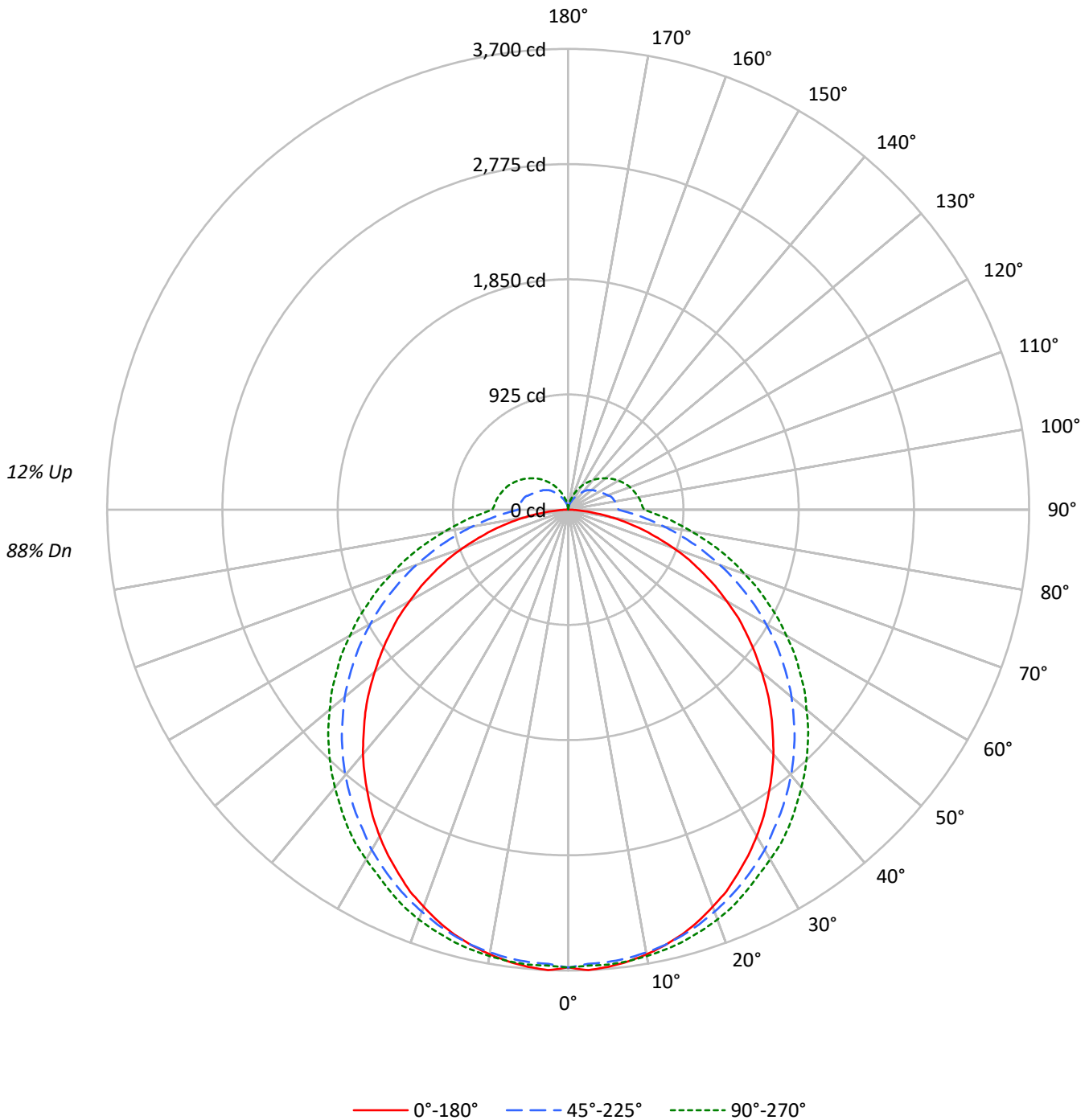
Lumens per Lamp: N/A
Luminaire Lumens: 13232.0 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 110.2
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	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19780	19780	19780
5°	19869	18893	18716
10°	19741	18169	17796
15°	19561	17448	16957
20°	19282	16716	16146
25°	18950	16004	15315
30°	18590	15306	14550
35°	18136	14572	13864
40°	17696	13885	13118
45°	17165	13160	12407
50°	16550	12409	11651
55°	15961	11583	10902
60°	15278	10712	10097
65°	14447	9762	9263
70°	13389	8732	8361
75°	11891	7601	7497
80°	9798	6468	6507
85°	6783	5378	5681



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.9	2.6
10°-20°	1003.7	7.6
20°-30°	1526.9	11.5
30°-40°	1856.5	14.0
40°-50°	1964.2	14.8
50°-60°	1841.1	13.9
60°-70°	1514.7	11.4
70°-80°	1048.0	7.9
80°-90°	582.8	4.4
90°-100°	383.9	2.9
100°-110°	344.3	2.6
110°-120°	285.0	2.2
120°-130°	220.3	1.7
130°-140°	155.9	1.2
140°-150°	94.1	0.7
150°-160°	45.2	0.3
160°-170°	14.8	0.1
170°-180°	1.8	0.0
0°-30°	2879.5	21.8
0°-40°	4736.0	35.8
0°-60°	8541.4	64.6
0°-90°	11686.8	88.3
90°-120°	1013.2	7.7
90°-150°	1483.5	11.2
90°-180°	1545.0	11.7
0°-180°	13232.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3675	3675	3675	3675	3675	
5°	3684	3678	3646	3675	3666	350
15°	3530	3542	3539	3587	3587	995
25°	3222	3268	3306	3378	3381	1485
35°	2801	2876	2973	3068	3095	1753
45°	2302	2422	2570	2685	2717	1774
55°	1752	1908	2092	2223	2268	1568
65°	1185	1355	1566	1720	1767	1175
75°	616	795	1029	1192	1258	654
85°	136	338	571	730	793	156
90°	2	190	403	555	610	9
95°	2	181	392	537	589	2
105°	2	156	367	505	551	2
115°	4	136	310	449	498	4
125°	4	116	265	383	430	4
135°	4	91	222	315	354	3
145°	4	66	154	238	267	3
155°	7	45	95	152	177	3
165°	7	30	52	70	91	2
175°	7	11	16	16	9	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3675.3	3675.3	3675.3	3675.3	3675.3
2.5°	3700.3	3688.9	3650.4	3675.3	3664.0
5°	3684.4	3677.6	3645.9	3675.3	3666.3
7.5°	3659.5	3657.2	3632.3	3666.3	3657.2
10°	3625.5	3630.0	3609.6	3645.9	3639.1
12.5°	3582.4	3589.2	3580.2	3621.0	3616.4
15°	3530.3	3541.6	3539.4	3587.0	3587.0
17.5°	3466.9	3482.7	3491.8	3546.2	3546.2
20°	3392.1	3417.0	3435.1	3494.1	3503.1
22.5°	3317.3	3346.8	3374.0	3435.1	3448.7
25°	3222.2	3267.5	3306.0	3378.5	3380.8
27.5°	3129.2	3179.1	3231.2	3301.5	3308.3
30°	3027.3	3090.7	3154.2	3222.2	3242.5
32.5°	2918.5	2988.8	3059.0	3149.6	3176.8
35°	2800.7	2875.5	2972.9	3068.1	3095.3
37.5°	2682.9	2766.7	2880.0	2977.4	3002.4
40°	2562.8	2655.7	2782.6	2882.3	2911.7
42.5°	2429.1	2542.4	2678.3	2784.8	2818.8
45°	2302.2	2422.3	2569.6	2685.1	2716.8
47.5°	2168.5	2295.4	2454.0	2576.4	2612.6
50°	2025.7	2170.8	2340.7	2463.1	2497.1
52.5°	1892.1	2039.3	2218.3	2345.2	2392.8
55°	1751.6	1907.9	2091.5	2222.9	2268.2
57.5°	1620.1	1769.7	1966.8	2098.3	2154.9
60°	1470.6	1636.0	1833.1	1975.9	2021.2
62.5°	1330.1	1497.8	1701.7	1849.0	1901.1
65°	1185.1	1355.0	1565.8	1719.8	1767.4
67.5°	1049.1	1216.8	1432.1	1583.9	1645.1
70°	899.6	1076.3	1296.1	1452.5	1504.6
72.5°	752.3	935.8	1160.2	1327.8	1386.7
75°	616.3	795.3	1028.7	1191.9	1257.6
77.5°	484.9	666.2	901.8	1069.5	1126.2
80°	353.5	543.8	784.0	949.4	1003.8
82.5°	233.4	432.8	670.7	836.1	895.0
85°	136.0	337.6	571.0	729.6	793.1
87.5°	58.9	256.1	478.1	634.5	686.6
90°	2.3	190.3	403.3	555.2	609.5
92.5°	2.3	185.8	394.3	543.8	595.9
95°	2.3	181.3	392.0	537.0	589.1
97.5°	2.3	179.0	387.5	532.5	582.3
100°	2.3	172.2	380.7	523.4	573.3
102.5°	2.3	163.1	373.9	514.4	562.0
105°	2.3	156.3	367.1	505.3	550.6
107.5°	2.3	149.6	355.8	494.0	539.3
110°	2.3	142.8	337.6	482.6	528.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.3	140.5	324.0	466.8	514.4
115°	4.5	136.0	310.4	448.7	498.5
117.5°	4.5	133.7	299.1	430.5	482.6
120°	4.5	126.9	287.8	414.7	464.5
122.5°	4.5	120.1	276.4	398.8	448.7
125°	4.5	115.6	265.1	382.9	430.5
127.5°	4.5	108.8	256.1	367.1	410.1
130°	4.5	104.2	244.7	349.0	392.0
132.5°	4.5	97.4	233.4	330.8	371.6
135°	4.5	90.6	222.1	315.0	353.5
137.5°	4.5	81.6	208.5	296.8	333.1
140°	4.5	74.8	190.3	278.7	312.7
142.5°	4.5	70.2	172.2	258.3	290.0
145°	4.5	65.7	154.1	237.9	267.4
147.5°	4.5	61.2	138.2	217.5	244.7
150°	4.5	54.4	122.4	199.4	222.1
152.5°	6.8	49.9	108.8	176.7	199.4
155°	6.8	45.3	95.2	151.8	176.7
157.5°	6.8	40.8	81.6	126.9	154.1
160°	6.8	36.3	70.2	104.2	131.4
162.5°	6.8	34.0	61.2	86.1	111.0
165°	6.8	29.5	52.1	70.2	90.6
167.5°	6.8	22.7	43.1	54.4	74.8
170°	6.8	18.1	34.0	38.5	56.6
172.5°	6.8	13.6	24.9	27.2	29.5
175°	6.8	11.3	15.9	15.9	9.1
177.5°	6.8	9.1	9.1	9.1	4.5
180°	4.5	4.5	4.5	4.5	4.5

(END OF REPORT)