

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: P567467

Luminaire Tested: **8SNX-162HL-LW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567467
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-L835-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

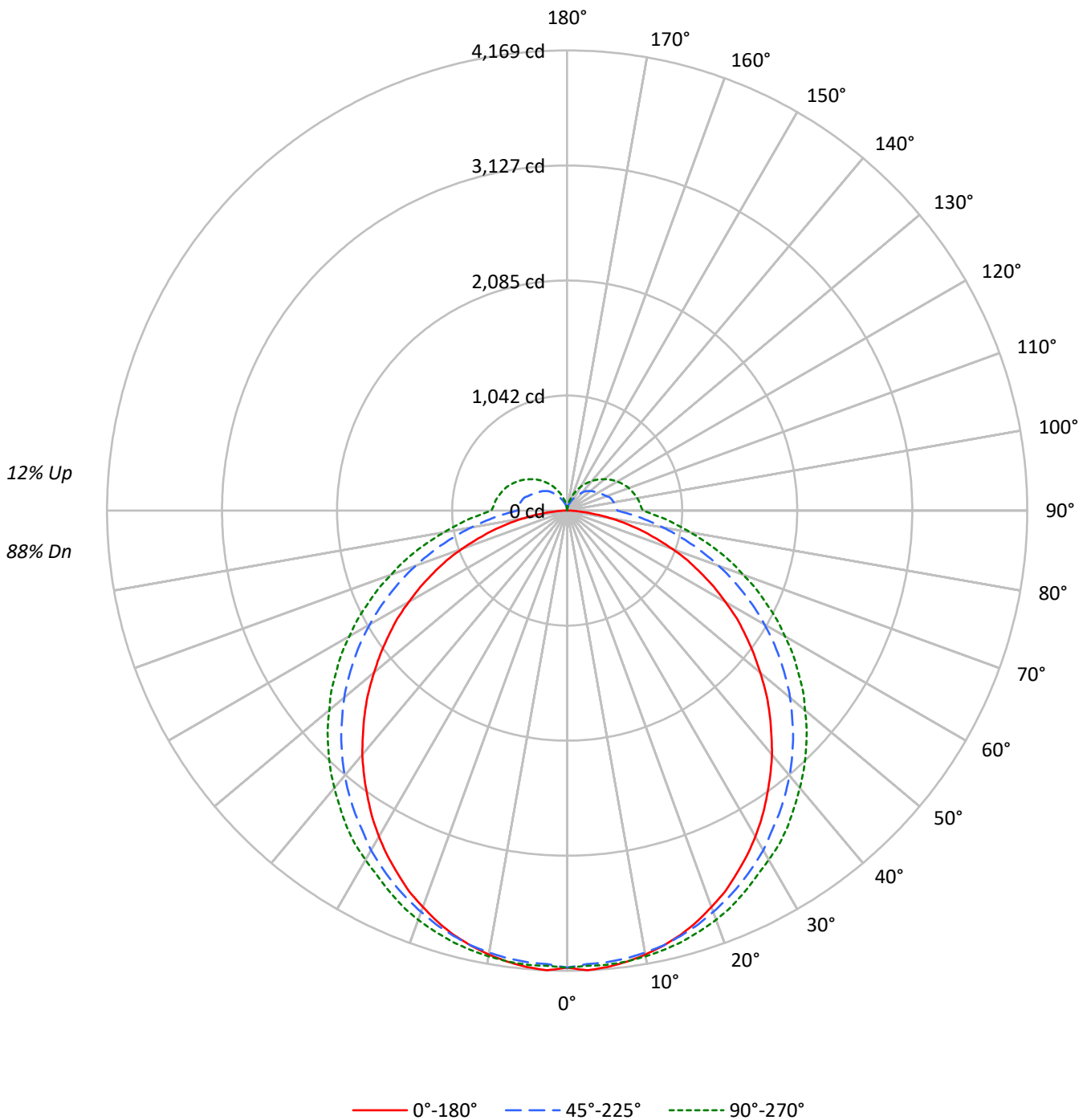
Lumens per Lamp: N/A
Luminaire Lumens: 14908.0 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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°	22286	22286	22286
5°	22386	21287	21086
10°	22241	20470	20050
15°	22039	19658	19105
20°	21724	18834	18191
25°	21351	18031	17255
30°	20944	17245	16394
35°	20433	16418	15620
40°	19937	15644	14780
45°	19339	14827	13979
50°	18646	13981	13126
55°	17982	13050	12283
60°	17214	12069	11376
65°	16276	10999	10437
70°	15085	9838	9420
75°	13398	8564	8447
80°	11040	7287	7332
85°	7641	6059	6401



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.1	2.6
10°-20°	1130.8	7.6
20°-30°	1720.3	11.5
30°-40°	2091.7	14.0
40°-50°	2213.0	14.8
50°-60°	2074.3	13.9
60°-70°	1706.5	11.4
70°-80°	1180.8	7.9
80°-90°	656.6	4.4
90°-100°	432.6	2.9
100°-110°	387.9	2.6
110°-120°	321.1	2.2
120°-130°	248.2	1.7
130°-140°	175.7	1.2
140°-150°	106.0	0.7
150°-160°	50.9	0.3
160°-170°	16.7	0.1
170°-180°	2.0	0.0
0°-30°	3244.2	21.8
0°-40°	5335.9	35.8
0°-60°	9623.2	64.6
0°-90°	13167.0	88.3
90°-120°	1141.5	7.7
90°-150°	1671.4	11.2
90°-180°	1741.0	11.7
0°-180°	14908.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4141	4141	4141	4141	4141	
5°	4151	4143	4108	4141	4131	394
15°	3978	3990	3988	4041	4041	1121
25°	3630	3681	3725	3806	3809	1673
35°	3155	3240	3350	3457	3487	1975
45°	2594	2729	2895	3025	3061	1999
55°	1973	2150	2356	2504	2556	1767
65°	1335	1527	1764	1938	1991	1324
75°	694	896	1159	1343	1417	737
85°	153	380	643	822	894	176
90°	3	214	454	626	687	10
95°	3	204	442	605	664	2
105°	3	176	414	569	620	3
115°	5	153	350	506	562	4
125°	5	130	299	431	485	5
135°	5	102	250	355	398	4
145°	5	74	174	268	301	3
155°	8	51	107	171	199	3
165°	8	33	59	79	102	2
175°	8	13	18	18	10	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4140.9	4140.9	4140.9	4140.9	4140.9
2.5°	4168.9	4156.2	4112.8	4140.9	4128.1
5°	4151.1	4143.4	4107.7	4140.9	4130.7
7.5°	4123.0	4120.4	4092.4	4130.7	4120.4
10°	4084.7	4089.8	4066.8	4107.7	4100.0
12.5°	4036.2	4043.9	4033.6	4079.6	4074.5
15°	3977.5	3990.2	3987.7	4041.3	4041.3
17.5°	3906.0	3923.9	3934.1	3995.3	3995.3
20°	3821.7	3849.8	3870.3	3936.6	3946.8
22.5°	3737.5	3770.7	3801.3	3870.3	3885.6
25°	3630.3	3681.3	3724.7	3806.4	3809.0
27.5°	3525.6	3581.8	3640.5	3719.6	3727.3
30°	3410.7	3482.2	3553.7	3630.3	3653.3
32.5°	3288.2	3367.3	3446.5	3548.6	3579.2
35°	3155.4	3239.7	3349.5	3456.7	3487.3
37.5°	3022.7	3117.1	3244.8	3354.6	3382.6
40°	2887.4	2992.0	3135.0	3247.3	3280.5
42.5°	2736.7	2864.4	3017.6	3137.6	3175.9
45°	2593.8	2729.1	2895.0	3025.2	3061.0
47.5°	2443.2	2586.1	2764.8	2902.7	2943.5
50°	2282.3	2445.7	2637.2	2775.0	2813.3
52.5°	2131.7	2297.6	2499.3	2642.3	2695.9
55°	1973.4	2149.6	2356.4	2504.4	2555.5
57.5°	1825.4	1993.8	2216.0	2364.0	2427.8
60°	1656.9	1843.2	2065.3	2226.2	2277.2
62.5°	1498.6	1687.5	1917.3	2083.2	2141.9
65°	1335.2	1526.7	1764.1	1937.7	1991.3
67.5°	1182.0	1370.9	1613.5	1784.5	1853.4
70°	1013.5	1212.6	1460.3	1636.4	1695.2
72.5°	847.6	1054.4	1307.1	1496.0	1562.4
75°	694.4	896.1	1159.0	1342.8	1416.9
77.5°	546.3	750.6	1016.1	1205.0	1268.8
80°	398.3	612.7	883.3	1069.7	1131.0
82.5°	263.0	487.6	755.7	942.0	1008.4
85°	153.2	380.4	643.3	822.0	893.5
87.5°	66.4	288.5	538.7	714.8	773.5
90°	2.6	214.4	454.4	625.5	686.7
92.5°	2.6	209.3	444.2	612.7	671.4
95°	2.6	204.2	441.7	605.0	663.8
97.5°	2.6	201.7	436.6	599.9	656.1
100°	2.6	194.0	428.9	589.7	645.9
102.5°	2.6	183.8	421.2	579.5	633.1
105°	2.6	176.2	413.6	569.3	620.4
107.5°	2.6	168.5	400.8	556.5	607.6
110°	2.6	160.8	380.4	543.8	594.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	2.6	158.3	365.1	525.9	579.5
115°	5.1	153.2	349.8	505.5	561.6
117.5°	5.1	150.6	337.0	485.1	543.8
120°	5.1	143.0	324.2	467.2	523.4
122.5°	5.1	135.3	311.5	449.3	505.5
125°	5.1	130.2	298.7	431.4	485.1
127.5°	5.1	122.5	288.5	413.6	462.1
130°	5.1	117.4	275.7	393.2	441.7
132.5°	5.1	109.8	263.0	372.7	418.7
135°	5.1	102.1	250.2	354.9	398.3
137.5°	5.1	91.9	234.9	334.4	375.3
140°	5.1	84.2	214.4	314.0	352.3
142.5°	5.1	79.1	194.0	291.0	326.8
145°	5.1	74.0	173.6	268.1	301.2
147.5°	5.1	68.9	155.7	245.1	275.7
150°	5.1	61.3	137.9	224.7	250.2
152.5°	7.7	56.2	122.5	199.1	224.7
155°	7.7	51.1	107.2	171.0	199.1
157.5°	7.7	46.0	91.9	143.0	173.6
160°	7.7	40.8	79.1	117.4	148.1
162.5°	7.7	38.3	68.9	97.0	125.1
165°	7.7	33.2	58.7	79.1	102.1
167.5°	7.7	25.5	48.5	61.3	84.2
170°	7.7	20.4	38.3	43.4	63.8
172.5°	7.7	15.3	28.1	30.6	33.2
175°	7.7	12.8	17.9	17.9	10.2
177.5°	7.7	10.2	10.2	10.2	5.1
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)