

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: P567465

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567465
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-162HL-LN-UNV-L950-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

Summary

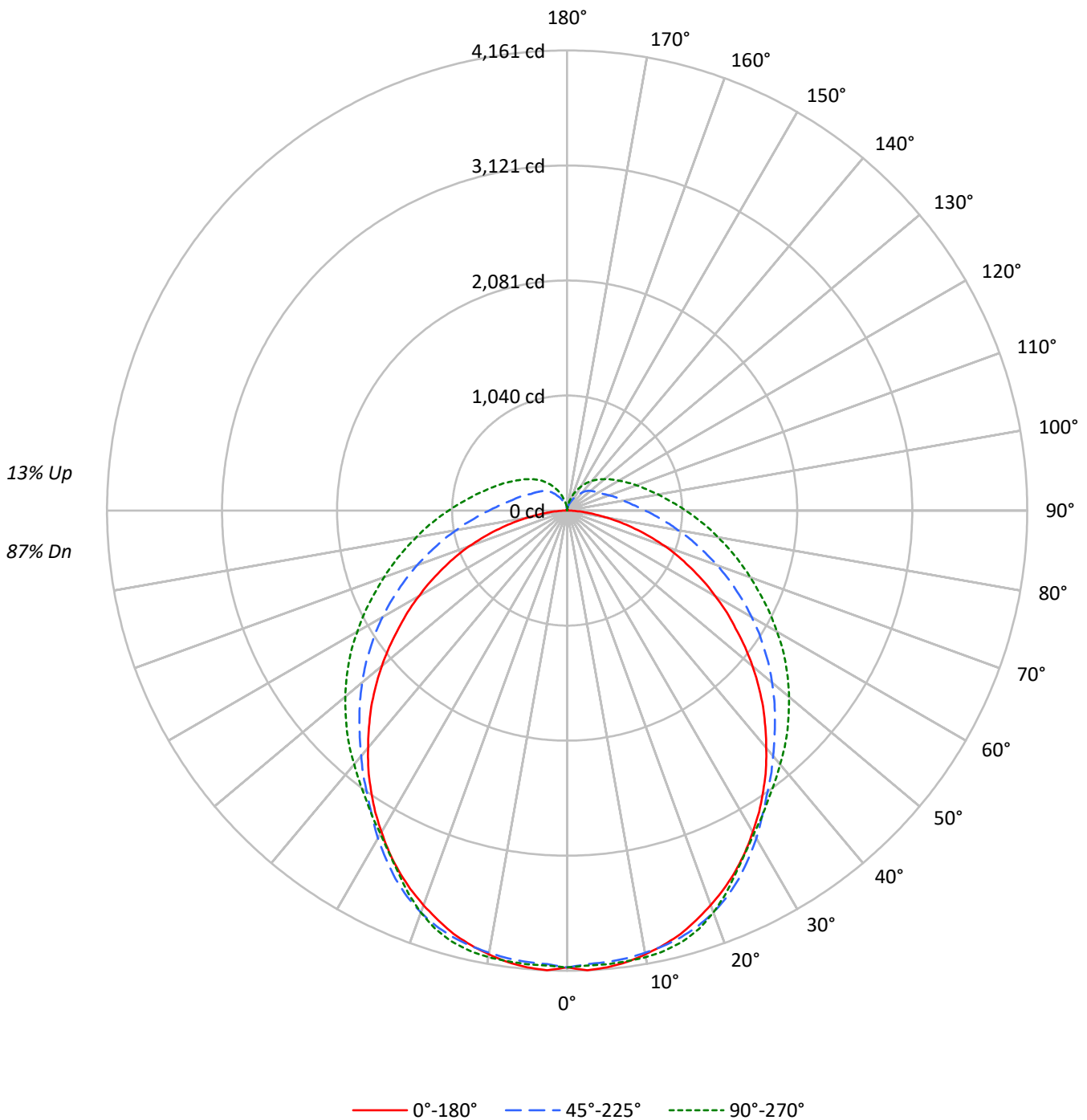
Lumens per Lamp: N/A
Luminaire Lumens: 14911.0 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.22 / 1.35
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	104	104	104	96	96	96	90	90	90	87
1	104	98	93	89	100	95	90	86	88	84	81	82	79	76	76	74	72	68
2	94	85	77	71	90	82	75	69	76	70	66	71	66	62	66	62	59	56
3	85	74	65	58	81	71	63	57	66	60	54	62	56	52	58	53	49	46
4	78	65	56	49	74	63	55	48	59	52	46	55	49	44	51	46	42	39
5	71	58	49	42	68	56	48	41	53	45	40	49	43	38	46	41	36	34
6	66	52	43	37	63	51	42	36	47	40	35	44	38	33	42	36	32	29
7	61	47	38	32	58	46	38	32	43	36	30	41	34	29	38	33	28	26
8	57	43	35	29	54	42	34	28	39	32	27	37	31	26	35	29	25	23
9	53	39	31	26	51	38	31	25	36	29	24	34	28	24	32	27	23	21
10	50	36	28	23	48	35	28	23	34	27	22	32	26	21	30	25	21	19

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22231	22231	22231
5°	22357	21235	21021
10°	22188	20435	20051
15°	21963	19677	19073
20°	21583	18821	17826
25°	21171	17781	16364
30°	20615	16609	15144
35°	20020	15414	14233
40°	19340	14456	13496
45°	18679	13607	12860
50°	17886	12825	12219
55°	16954	12040	11592
60°	16073	11256	10936
65°	15100	10465	10335
70°	13997	9724	9791
75°	12242	9003	9343
80°	9951	8383	8964
85°	7187	7952	8747



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	392.4	2.6
10°-20°	1128.2	7.6
20°-30°	1680.0	11.3
30°-40°	1982.3	13.3
40°-50°	2067.3	13.9
50°-60°	1942.8	13.0
60°-70°	1640.7	11.0
70°-80°	1239.6	8.3
80°-90°	854.5	5.7
90°-100°	598.0	4.0
100°-110°	446.2	3.0
110°-120°	336.4	2.3
120°-130°	250.9	1.7
130°-140°	176.1	1.2
140°-150°	106.5	0.7
150°-160°	50.9	0.3
160°-170°	16.3	0.1
170°-180°	1.9	0.0
0°-30°	3200.6	21.5
0°-40°	5182.9	34.8
0°-60°	9193.0	61.7
0°-90°	12927.8	86.7
90°-120°	1380.6	9.3
90°-150°	1914.1	12.8
90°-180°	1983.0	13.3
0°-180°	14911.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4131	4131	4131	4131	4131	
5°	4146	4138	4098	4128	4118	393
15°	3964	3982	3992	4042	4035	1116
25°	3600	3673	3673	3640	3612	1656
35°	3092	3205	3145	3170	3178	1933
45°	2505	2629	2657	2766	2816	1929
55°	1861	2020	2174	2348	2412	1669
65°	1239	1436	1678	1898	1972	1230
75°	634	880	1218	1474	1567	676
85°	144	452	844	1122	1221	162
90°	2	321	705	976	1072	10
95°	2	250	597	854	943	2
105°	5	180	460	667	743	5
115°	5	154	356	531	599	5
125°	8	132	301	435	490	7
135°	8	101	250	354	397	6
145°	10	73	174	270	303	6
155°	10	48	106	172	200	5
165°	13	30	56	76	101	3
175°	13	13	15	15	8	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4130.6	4130.6	4130.6	4130.6	4130.6
2.5°	4161.0	4150.8	4105.3	4130.6	4118.0
5°	4145.8	4138.2	4097.8	4128.1	4118.0
7.5°	4118.0	4115.5	4085.1	4120.5	4110.4
10°	4075.0	4082.6	4059.8	4107.9	4100.3
12.5°	4024.5	4039.6	4032.0	4085.1	4077.5
15°	3963.8	3981.5	3991.6	4042.1	4034.6
17.5°	3882.9	3915.8	3938.5	3978.9	3966.3
20°	3796.9	3842.4	3867.7	3887.9	3867.7
22.5°	3703.4	3764.1	3779.2	3769.1	3748.9
25°	3599.8	3673.1	3673.1	3640.2	3612.4
27.5°	3483.5	3574.5	3549.2	3511.3	3488.5
30°	3357.1	3465.8	3422.8	3379.8	3374.8
32.5°	3230.7	3344.4	3281.2	3271.1	3278.7
35°	3091.6	3205.4	3144.7	3170.0	3177.6
37.5°	2952.6	3066.4	3025.9	3063.8	3086.6
40°	2800.9	2922.3	2897.0	2965.3	2995.6
42.5°	2651.8	2778.2	2775.7	2864.1	2909.6
45°	2505.2	2629.0	2656.8	2765.5	2816.1
47.5°	2345.9	2472.3	2540.6	2667.0	2717.5
50°	2189.2	2325.7	2419.2	2560.8	2618.9
52.5°	2027.4	2171.5	2300.4	2457.1	2517.8
55°	1860.6	2019.8	2174.0	2348.4	2411.6
57.5°	1711.4	1873.2	2055.2	2234.7	2308.0
60°	1547.1	1726.6	1926.3	2115.9	2189.2
62.5°	1397.9	1582.5	1804.9	2004.6	2083.0
65°	1238.7	1435.9	1678.5	1898.5	1971.8
67.5°	1092.1	1294.3	1559.7	1782.2	1863.1
70°	940.4	1155.3	1443.4	1678.5	1762.0
72.5°	783.7	1011.2	1327.2	1577.4	1663.4
75°	634.5	879.7	1218.5	1473.8	1567.3
77.5°	495.5	753.3	1119.9	1382.8	1473.8
80°	359.0	639.6	1016.2	1289.2	1382.8
82.5°	237.6	541.0	932.8	1205.8	1304.4
85°	144.1	452.5	844.3	1122.4	1221.0
87.5°	65.7	379.2	773.5	1049.1	1145.1
90°	2.5	321.0	705.3	975.8	1071.8
92.5°	2.5	280.6	649.7	912.6	1006.1
95°	2.5	250.3	596.6	854.4	942.9
97.5°	2.5	230.0	556.1	798.8	884.8
100°	2.5	209.8	515.7	748.3	836.7
102.5°	5.1	192.1	485.4	702.8	786.2
105°	5.1	179.5	460.1	667.4	743.2
107.5°	5.1	171.9	432.3	632.0	702.8
110°	5.1	164.3	401.9	596.6	667.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.1	159.3	379.2	566.3	634.5
115°	5.1	154.2	356.4	530.9	599.1
117.5°	5.1	151.7	343.8	503.1	568.8
120°	7.6	144.1	328.6	477.8	541.0
122.5°	7.6	136.5	313.5	457.6	513.2
125°	7.6	131.5	300.8	434.8	490.4
127.5°	7.6	123.9	288.2	414.6	465.1
130°	7.6	116.3	278.1	394.4	442.4
132.5°	7.6	108.7	265.4	374.1	419.6
135°	7.6	101.1	250.3	353.9	396.9
137.5°	7.6	93.5	235.1	333.7	374.1
140°	7.6	85.9	214.9	313.5	351.4
142.5°	7.6	78.4	194.6	293.2	326.1
145°	10.1	73.3	174.4	270.5	303.4
147.5°	10.1	65.7	154.2	247.7	275.5
150°	10.1	60.7	139.0	225.0	250.3
152.5°	10.1	53.1	123.9	199.7	225.0
155°	10.1	48.0	106.2	171.9	199.7
157.5°	10.1	43.0	91.0	144.1	174.4
160°	10.1	40.4	78.4	118.8	149.1
162.5°	12.6	35.4	65.7	96.1	123.9
165°	12.6	30.3	55.6	75.8	101.1
167.5°	12.6	25.3	45.5	58.1	78.4
170°	12.6	20.2	35.4	40.4	60.7
172.5°	12.6	15.2	25.3	27.8	30.3
175°	12.6	12.6	15.2	15.2	7.6
177.5°	12.6	12.6	10.1	7.6	2.5
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)