

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: P567485

Luminaire Tested: **8SNX-162HL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-162HL-UNV-L850-CD
Description: 8FT 16200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

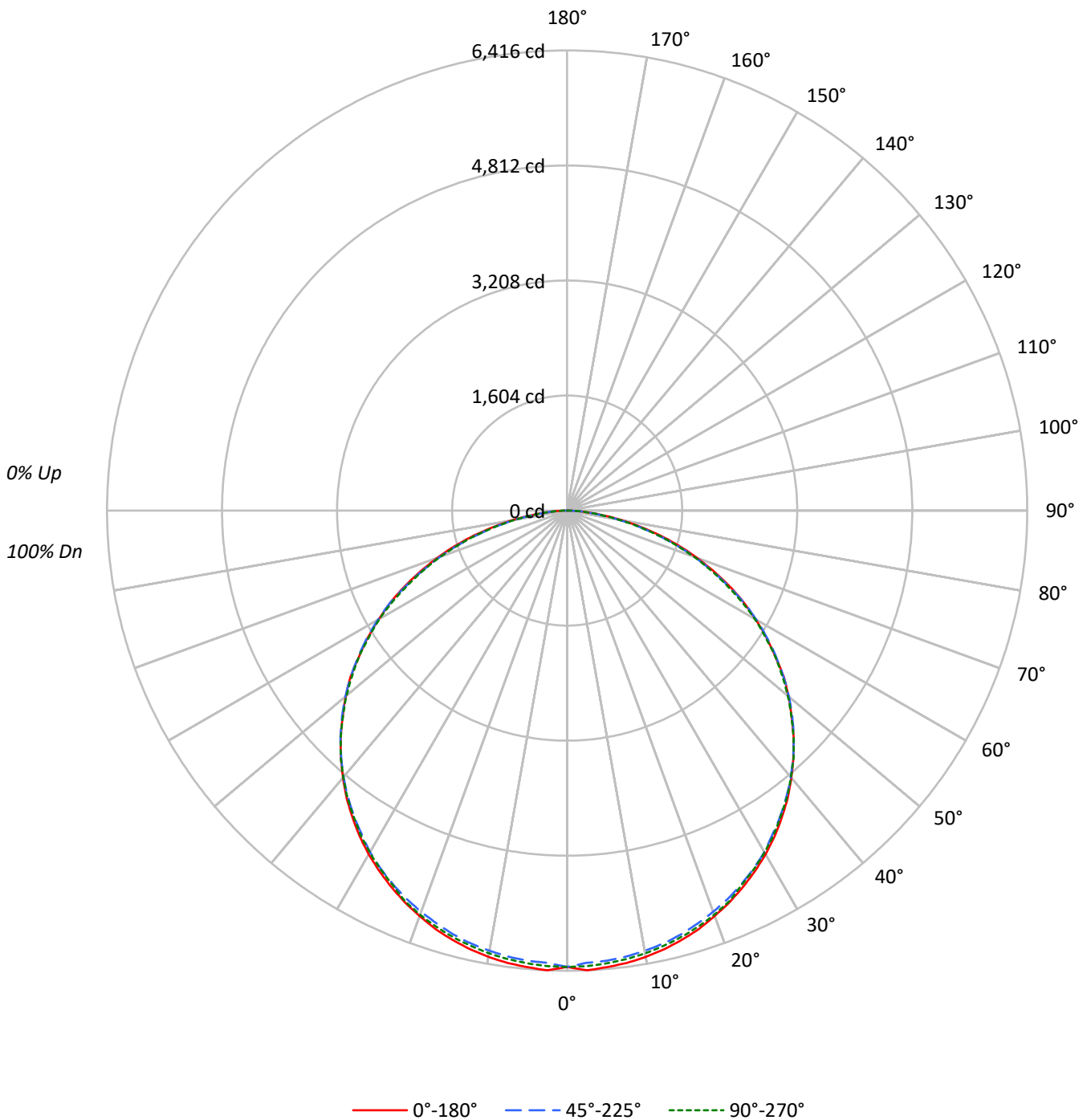
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19044.0 lumens
Efficiency: N/A
Efficacy: 172.8 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: 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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	34240	34240	34240
5°	34516	34036	34240
10°	34533	34062	34253
15°	34517	34097	34292
20°	34448	34093	34340
25°	34406	34134	34198
30°	34383	34166	34199
35°	34299	34087	34140
40°	34161	34086	34105
45°	33976	34037	33976
50°	33746	33814	33633
55°	33220	33397	33220
60°	32660	32805	32516
65°	31852	31474	31131
70°	30334	29656	29571
75°	27993	26648	26760
80°	23949	22445	22864
85°	17790	17457	16290



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.8	3.2
10°-20°	1739.6	9.1
20°-30°	2663.2	14.0
30°-40°	3257.8	17.1
40°-50°	3445.8	18.1
50°-60°	3174.9	16.7
60°-70°	2443.6	12.8
70°-80°	1372.9	7.2
80°-90°	342.5	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5006.6	26.3
0°-40°	8264.4	43.4
0°-60°	14885.1	78.2
0°-90°	19044.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19044.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6362	6362	6362	6362	6362	
5°	6389	6370	6300	6357	6338	608
15°	6195	6179	6120	6174	6155	1749
25°	5794	5788	5748	5788	5759	2672
35°	5220	5212	5188	5212	5196	3267
45°	4464	4477	4472	4461	4464	3442
55°	3540	3573	3559	3548	3540	3171
65°	2501	2506	2472	2436	2445	2467
75°	1346	1325	1282	1263	1287	1418
85°	288	283	283	275	264	356
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6362.0	6362.0	6362.0	6362.0	6362.0
2.5°	6415.8	6380.8	6310.8	6372.7	6356.6
5°	6388.9	6370.0	6300.0	6356.6	6337.7
7.5°	6362.0	6340.4	6273.1	6335.0	6308.1
10°	6318.9	6300.0	6232.7	6292.0	6267.7
12.5°	6262.3	6246.2	6184.3	6240.8	6216.6
15°	6195.0	6178.9	6119.6	6173.5	6154.6
17.5°	6114.3	6095.4	6038.9	6095.4	6082.0
20°	6014.6	6003.9	5952.7	6003.9	5995.8
22.5°	5912.3	5898.9	5858.5	5896.2	5898.9
25°	5793.9	5788.5	5748.1	5788.5	5758.9
27.5°	5670.0	5670.0	5629.6	5656.6	5637.7
30°	5532.7	5530.0	5497.7	5511.2	5503.1
32.5°	5384.6	5381.9	5338.9	5373.9	5360.4
35°	5220.4	5212.3	5188.1	5212.3	5196.2
37.5°	5050.8	5042.7	5023.9	5037.3	5034.6
40°	4862.3	4862.3	4851.6	4862.3	4854.3
42.5°	4668.5	4676.6	4663.1	4673.9	4673.9
45°	4463.9	4477.3	4471.9	4461.2	4463.9
47.5°	4245.8	4270.0	4256.6	4253.9	4240.4
50°	4030.4	4051.9	4038.5	4025.0	4016.9
52.5°	3806.9	3817.7	3801.6	3796.2	3777.3
55°	3540.4	3572.7	3559.2	3548.5	3540.4
57.5°	3295.4	3319.6	3308.9	3287.3	3273.9
60°	3034.2	3053.1	3047.7	3023.5	3020.8
62.5°	2778.5	2783.9	2778.5	2735.4	2738.1
65°	2501.2	2506.5	2471.5	2436.5	2444.6
67.5°	2210.4	2226.5	2178.1	2126.9	2161.9
70°	1927.7	1922.3	1884.6	1828.1	1879.2
72.5°	1636.9	1631.5	1588.5	1548.1	1583.1
75°	1346.2	1324.6	1281.5	1262.7	1286.9
77.5°	1044.6	1020.4	1001.5	988.1	998.9
80°	772.7	740.4	724.2	713.5	737.7
82.5°	514.2	490.0	481.9	490.0	484.6
85°	288.1	282.7	282.7	274.6	263.8
87.5°	118.5	123.8	126.5	123.8	118.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)