

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: P566885

Luminaire Tested: **4SNX-84HL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566885
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: 4SNX-84HL-LW-UNV-L950-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

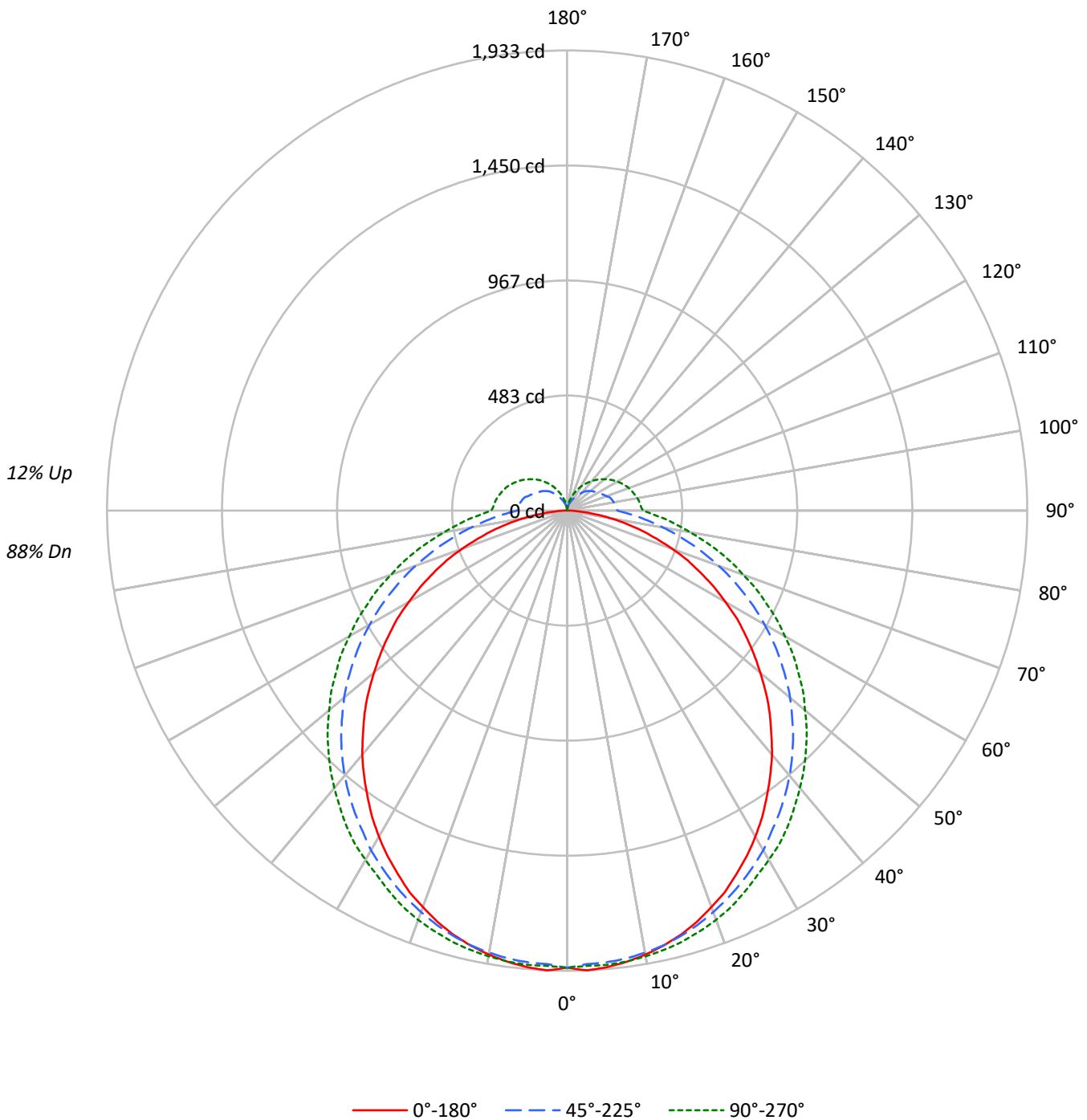
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6913.0 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 57.9
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	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°	20669	20669	20669
5°	20723	19717	19555
10°	20551	18939	18594
15°	20326	18167	17718
20°	19997	17388	16871
25°	19612	16629	16003
30°	19196	15888	15204
35°	18682	15110	14487
40°	18178	14382	13707
45°	17577	13616	12964
50°	16884	12824	12174
55°	16209	11955	11392
60°	15426	11040	10550
65°	14475	10045	9680
70°	13272	8968	8737
75°	11589	7791	7833
80°	9261	6611	6799
85°	5940	5478	5936



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	2.6
10°-20°	524.4	7.6
20°-30°	797.7	11.5
30°-40°	969.9	14.0
40°-50°	1026.2	14.8
50°-60°	961.9	13.9
60°-70°	791.3	11.4
70°-80°	547.5	7.9
80°-90°	304.5	4.4
90°-100°	200.6	2.9
100°-110°	179.9	2.6
110°-120°	148.9	2.2
120°-130°	115.1	1.7
130°-140°	81.5	1.2
140°-150°	49.1	0.7
150°-160°	23.6	0.3
160°-170°	7.7	0.1
170°-180°	0.9	0.0
0°-30°	1504.4	21.8
0°-40°	2474.3	35.8
0°-60°	4462.4	64.6
0°-90°	6105.7	88.3
90°-120°	529.3	7.7
90°-150°	775.0	11.2
90°-180°	807.0	11.7
0°-180°	6913.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1920	1920	1920	1920	1920	
5°	1925	1921	1905	1920	1915	183
15°	1844	1850	1849	1874	1874	520
25°	1683	1707	1727	1765	1766	776
35°	1463	1502	1553	1603	1617	916
45°	1203	1266	1342	1403	1419	927
55°	915	997	1093	1161	1185	819
65°	619	708	818	898	923	614
75°	322	416	538	623	657	342
85°	71	176	298	381	414	82
90°	1	99	211	290	318	5
95°	1	95	205	281	308	1
105°	1	82	192	264	288	1
115°	2	71	162	234	260	2
125°	2	60	138	200	225	2
135°	2	47	116	165	185	2
145°	2	34	80	124	140	2
155°	4	24	50	79	92	2
165°	4	15	27	37	47	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1920.2	1920.2	1920.2	1920.2	1920.2
2.5°	1933.2	1927.3	1907.1	1920.2	1914.2
5°	1924.9	1921.3	1904.8	1920.2	1915.4
7.5°	1911.9	1910.7	1897.7	1915.4	1910.7
10°	1894.1	1896.5	1885.8	1904.8	1901.2
12.5°	1871.6	1875.2	1870.4	1891.8	1889.4
15°	1844.4	1850.3	1849.1	1874.0	1874.0
17.5°	1811.3	1819.5	1824.3	1852.7	1852.7
20°	1772.2	1785.2	1794.7	1825.5	1830.2
22.5°	1733.1	1748.5	1762.7	1794.7	1801.8
25°	1683.4	1707.1	1727.2	1765.1	1766.3
27.5°	1634.9	1660.9	1688.1	1724.8	1728.4
30°	1581.6	1614.7	1647.9	1683.4	1694.1
32.5°	1524.8	1561.5	1598.2	1645.5	1659.7
35°	1463.2	1502.3	1553.2	1602.9	1617.1
37.5°	1401.6	1445.5	1504.6	1555.5	1568.6
40°	1338.9	1387.4	1453.7	1505.8	1521.2
42.5°	1269.1	1328.3	1399.3	1454.9	1472.7
45°	1202.8	1265.5	1342.5	1402.8	1419.4
47.5°	1132.9	1199.2	1282.1	1346.0	1365.0
50°	1058.3	1134.1	1222.9	1286.8	1304.6
52.5°	988.5	1065.4	1159.0	1225.3	1250.1
55°	915.1	996.8	1092.7	1161.3	1185.0
57.5°	846.4	924.6	1027.6	1096.2	1125.8
60°	768.3	854.7	957.7	1032.3	1056.0
62.5°	694.9	782.5	889.1	966.0	993.2
65°	619.1	707.9	818.0	898.5	923.4
67.5°	548.1	635.7	748.2	827.5	859.5
70°	470.0	562.3	677.1	758.8	786.1
72.5°	393.0	488.9	606.1	693.7	724.5
75°	322.0	415.5	537.5	622.7	657.0
77.5°	253.3	348.0	471.2	558.8	588.4
80°	184.7	284.1	409.6	496.0	524.4
82.5°	121.9	226.1	350.4	436.8	467.6
85°	71.0	176.4	298.3	381.2	414.3
87.5°	30.8	133.8	249.8	331.5	358.7
90°	1.2	99.4	210.7	290.0	318.4
92.5°	1.2	97.1	206.0	284.1	311.3
95°	1.2	94.7	204.8	280.6	307.8
97.5°	1.2	93.5	202.4	278.2	304.2
100°	1.2	90.0	198.9	273.5	299.5
102.5°	1.2	85.2	195.3	268.7	293.6
105°	1.2	81.7	191.8	264.0	287.7
107.5°	1.2	78.1	185.9	258.1	281.8
110°	1.2	74.6	176.4	252.2	275.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	73.4	169.3	243.9	268.7
115°	2.4	71.0	162.2	234.4	260.4
117.5°	2.4	69.8	156.3	224.9	252.2
120°	2.4	66.3	150.3	216.6	242.7
122.5°	2.4	62.7	144.4	208.4	234.4
125°	2.4	60.4	138.5	200.1	224.9
127.5°	2.4	56.8	133.8	191.8	214.3
130°	2.4	54.5	127.9	182.3	204.8
132.5°	2.4	50.9	121.9	172.8	194.1
135°	2.4	47.4	116.0	164.6	184.7
137.5°	2.4	42.6	108.9	155.1	174.0
140°	2.4	39.1	99.4	145.6	163.4
142.5°	2.4	36.7	90.0	135.0	151.5
145°	2.4	34.3	80.5	124.3	139.7
147.5°	2.4	32.0	72.2	113.6	127.9
150°	2.4	28.4	63.9	104.2	116.0
152.5°	3.6	26.0	56.8	92.3	104.2
155°	3.6	23.7	49.7	79.3	92.3
157.5°	3.6	21.3	42.6	66.3	80.5
160°	3.6	18.9	36.7	54.5	68.7
162.5°	3.6	17.8	32.0	45.0	58.0
165°	3.6	15.4	27.2	36.7	47.4
167.5°	3.6	11.8	22.5	28.4	39.1
170°	3.6	9.5	17.8	20.1	29.6
172.5°	3.6	7.1	13.0	14.2	15.4
175°	3.6	5.9	8.3	8.3	4.7
177.5°	3.6	4.7	4.7	4.7	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)