

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: P566884

Luminaire Tested: **4SNX-84HL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566884
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-L940-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

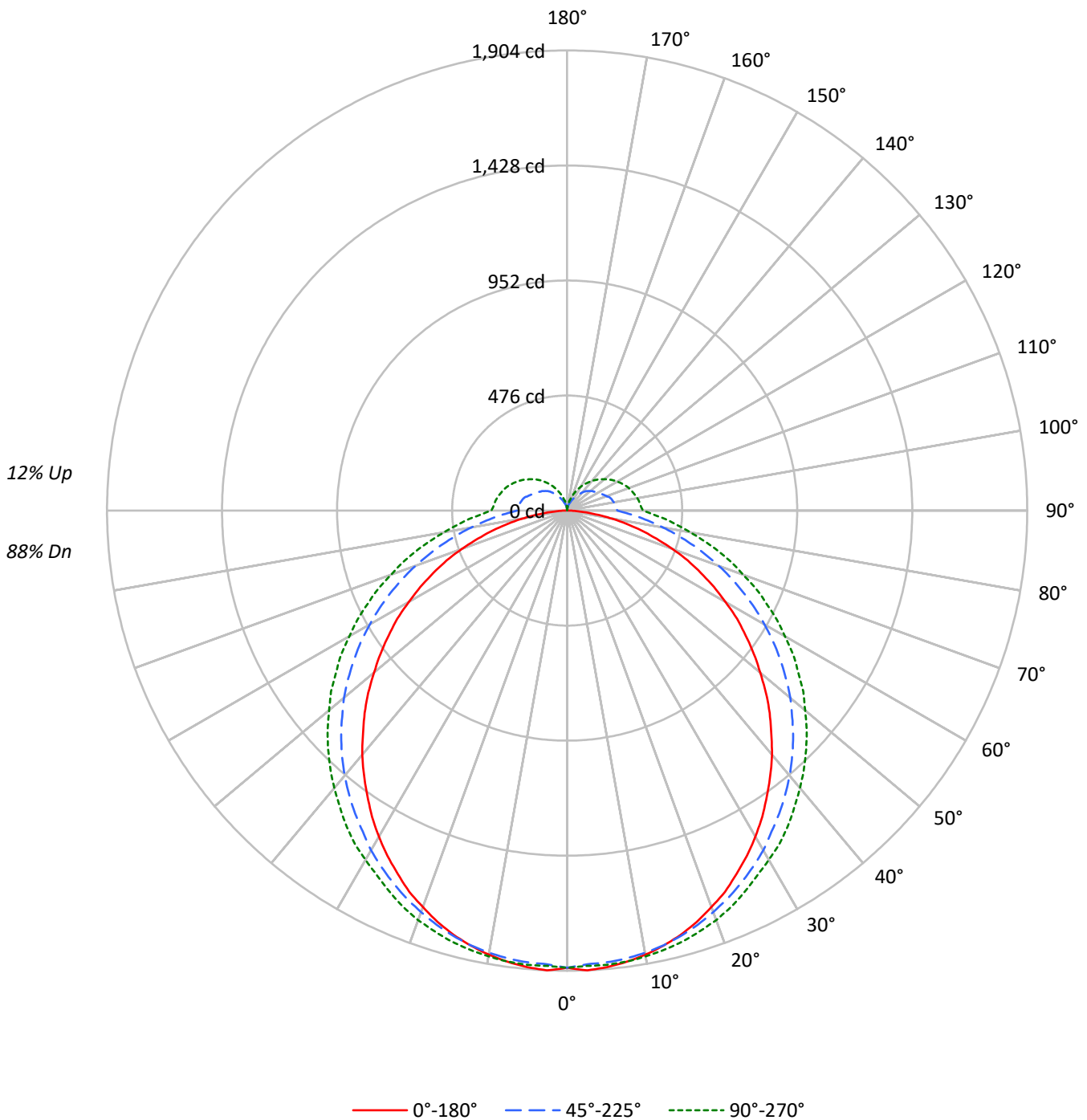
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6810.0 lumens
Efficiency: N/A
Efficacy: 117.6 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	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°	20361	20361	20361
5°	20414	19423	19264
10°	20245	18657	18317
15°	20023	17897	17454
20°	19699	17128	16619
25°	19320	16382	15765
30°	18910	15650	14977
35°	18404	14884	14271
40°	17908	14168	13502
45°	17314	13413	12771
50°	16633	12633	11992
55°	15968	11776	11223
60°	15198	10875	10393
65°	14260	9895	9535
70°	13075	8836	8606
75°	11417	7673	7717
80°	9120	6512	6698
85°	5856	5397	5848



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.6	2.6
10°-20°	516.6	7.6
20°-30°	785.8	11.5
30°-40°	955.5	14.0
40°-50°	1010.9	14.8
50°-60°	947.6	13.9
60°-70°	779.5	11.4
70°-80°	539.4	7.9
80°-90°	299.9	4.4
90°-100°	197.6	2.9
100°-110°	177.2	2.6
110°-120°	146.7	2.2
120°-130°	113.4	1.7
130°-140°	80.3	1.2
140°-150°	48.4	0.7
150°-160°	23.3	0.3
160°-170°	7.6	0.1
170°-180°	0.9	0.0
0°-30°	1482.0	21.8
0°-40°	2437.4	35.8
0°-60°	4395.9	64.6
0°-90°	6014.7	88.3
90°-120°	521.4	7.7
90°-150°	763.5	11.2
90°-180°	795.0	11.7
0°-180°	6810.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1892	1892	1892	1892	1892	
5°	1896	1893	1876	1892	1887	180
15°	1817	1823	1822	1846	1846	512
25°	1658	1682	1702	1739	1740	764
35°	1441	1480	1530	1579	1593	902
45°	1185	1247	1322	1382	1398	913
55°	902	982	1076	1144	1167	807
65°	610	697	806	885	910	605
75°	317	409	529	613	647	337
85°	70	174	294	376	408	81
90°	1	98	208	286	314	5
95°	1	93	202	276	303	1
105°	1	80	189	260	283	1
115°	2	70	160	231	257	2
125°	2	60	136	197	222	2
135°	2	47	114	162	182	2
145°	2	34	79	122	138	1
155°	4	23	49	78	91	2
165°	4	15	27	36	47	1
175°	4	6	8	8	5	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-84HL-LW-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1891.6	1891.6	1891.6	1891.6	1891.6
2.5°	1904.4	1898.6	1878.7	1891.6	1885.7
5°	1896.2	1892.7	1876.4	1891.6	1886.9
7.5°	1883.4	1882.2	1869.4	1886.9	1882.2
10°	1865.9	1868.2	1857.7	1876.4	1872.9
12.5°	1843.7	1847.2	1842.6	1863.6	1861.2
15°	1816.9	1822.7	1821.6	1846.1	1846.1
17.5°	1784.3	1792.4	1797.1	1825.1	1825.1
20°	1745.8	1758.6	1767.9	1798.3	1802.9
22.5°	1707.3	1722.5	1736.5	1767.9	1774.9
25°	1658.3	1681.6	1701.5	1738.8	1740.0
27.5°	1610.5	1636.2	1663.0	1699.1	1702.6
30°	1558.0	1590.7	1623.3	1658.3	1668.8
32.5°	1502.0	1538.2	1574.4	1621.0	1635.0
35°	1441.4	1479.9	1530.0	1579.0	1593.0
37.5°	1380.8	1423.9	1482.2	1532.4	1545.2
40°	1319.0	1366.8	1432.1	1483.4	1498.5
42.5°	1250.2	1308.5	1378.4	1433.2	1450.7
45°	1184.8	1246.7	1322.5	1381.9	1398.3
47.5°	1116.0	1181.3	1263.0	1326.0	1344.6
50°	1042.6	1117.2	1204.7	1267.6	1285.1
52.5°	973.8	1049.6	1141.7	1207.0	1231.5
55°	901.5	981.9	1076.4	1144.0	1167.4
57.5°	833.8	910.8	1012.2	1079.9	1109.0
60°	756.9	842.0	943.4	1016.9	1040.2
62.5°	684.6	770.8	875.8	951.6	978.4
65°	609.9	697.4	805.8	885.1	909.6
67.5°	539.9	626.2	737.0	815.2	846.7
70°	463.0	553.9	667.1	747.5	774.3
72.5°	387.2	481.6	597.1	683.4	713.7
75°	317.2	409.3	529.4	613.4	647.2
77.5°	249.6	342.9	464.1	550.4	579.6
80°	181.9	279.9	403.5	488.6	516.6
82.5°	120.1	222.7	345.2	430.3	460.6
85°	70.0	173.8	293.9	375.5	408.2
87.5°	30.3	131.8	246.1	326.5	353.4
90°	1.2	98.0	207.6	285.7	313.7
92.5°	1.2	95.6	202.9	279.9	306.7
95°	1.2	93.3	201.8	276.4	303.2
97.5°	1.2	92.1	199.4	274.1	299.7
100°	1.2	88.6	195.9	269.4	295.0
102.5°	1.2	84.0	192.4	264.7	289.2
105°	1.2	80.5	188.9	260.1	283.4
107.5°	1.2	77.0	183.1	254.2	277.6
110°	1.2	73.5	173.8	248.4	271.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	72.3	166.8	240.2	264.7
115°	2.3	70.0	159.8	230.9	256.6
117.5°	2.3	68.8	153.9	221.6	248.4
120°	2.3	65.3	148.1	213.4	239.1
122.5°	2.3	61.8	142.3	205.2	230.9
125°	2.3	59.5	136.4	197.1	221.6
127.5°	2.3	56.0	131.8	188.9	211.1
130°	2.3	53.6	125.9	179.6	201.8
132.5°	2.3	50.1	120.1	170.3	191.3
135°	2.3	46.6	114.3	162.1	181.9
137.5°	2.3	42.0	107.3	152.8	171.4
140°	2.3	38.5	98.0	143.4	160.9
142.5°	2.3	36.2	88.6	132.9	149.3
145°	2.3	33.8	79.3	122.4	137.6
147.5°	2.3	31.5	71.1	112.0	125.9
150°	2.3	28.0	63.0	102.6	114.3
152.5°	3.5	25.7	56.0	91.0	102.6
155°	3.5	23.3	49.0	78.1	91.0
157.5°	3.5	21.0	42.0	65.3	79.3
160°	3.5	18.7	36.2	53.6	67.6
162.5°	3.5	17.5	31.5	44.3	57.1
165°	3.5	15.2	26.8	36.2	46.6
167.5°	3.5	11.7	22.2	28.0	38.5
170°	3.5	9.3	17.5	19.8	29.2
172.5°	3.5	7.0	12.8	14.0	15.2
175°	3.5	5.8	8.2	8.2	4.7
177.5°	3.5	4.7	4.7	4.7	2.3
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)