

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: P566697

Luminaire Tested: **4SNX-63SL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566697
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-SLW-UNV-L850-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

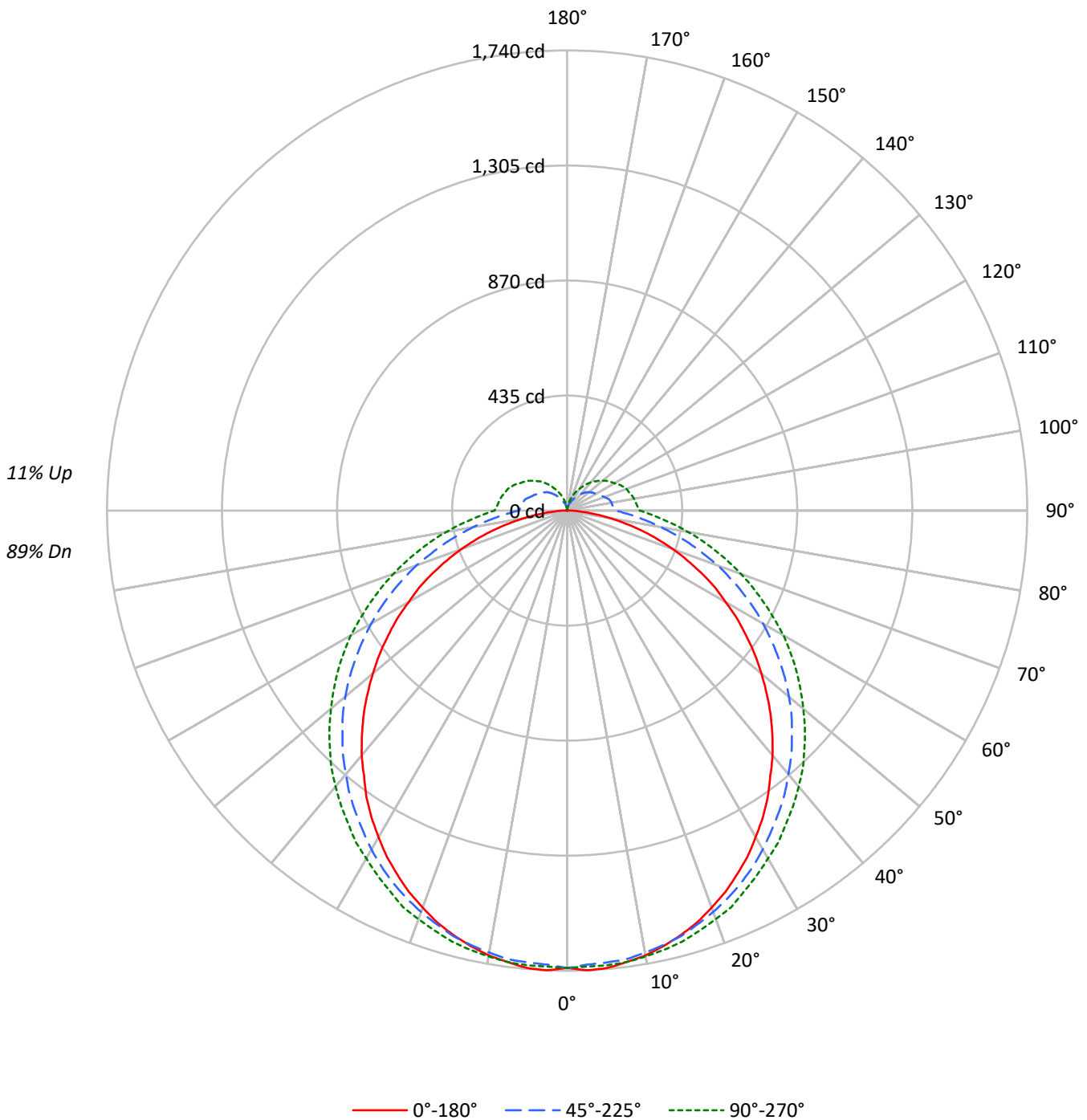
Lumens per Lamp: N/A
Luminaire Lumens: 6156.0 lumens
Efficiency: N/A
Efficacy: 138.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 44.4
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	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	18613	18613	18613
5°	18728	18135	18120
10°	18598	17768	17671
15°	18413	17393	17257
20°	18159	16961	16798
25°	17867	16539	16317
30°	17517	16076	15842
35°	17133	15595	15396
40°	16693	15121	14968
45°	16218	14640	14506
50°	15673	14130	13989
55°	15077	13518	13480
60°	14374	12864	12914
65°	13650	12128	12199
70°	12633	11318	11501
75°	11286	10291	10729
80°	9096	9244	9966
85°	6409	8348	9183



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	2.7
10°-20°	472.1	7.7
20°-30°	717.8	11.7
30°-40°	871.4	14.2
40°-50°	920.8	15.0
50°-60°	861.6	14.0
60°-70°	707.0	11.5
70°-80°	486.3	7.9
80°-90°	266.3	4.3
90°-100°	171.5	2.8
100°-110°	153.9	2.5
110°-120°	127.4	2.1
120°-130°	98.1	1.6
130°-140°	68.9	1.1
140°-150°	41.5	0.7
150°-160°	19.9	0.3
160°-170°	6.5	0.1
170°-180°	0.8	0.0
0°-30°	1354.2	22.0
0°-40°	2225.6	36.2
0°-60°	4008.0	65.1
0°-90°	5467.6	88.8
90°-120°	452.7	7.4
90°-150°	661.3	10.7
90°-180°	688.0	11.2
0°-180°	6156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1729	1729	1729	1729	1729	
5°	1736	1733	1715	1729	1726	165
15°	1662	1669	1665	1686	1686	469
25°	1519	1537	1554	1587	1587	700
35°	1323	1355	1394	1433	1444	826
45°	1088	1137	1202	1255	1269	838
55°	827	895	977	1038	1059	740
65°	560	635	731	799	820	554
75°	292	371	478	553	578	308
85°	64	153	260	332	356	74
90°	0	86	182	250	274	4
95°	0	82	175	239	264	0
105°	0	68	164	225	246	2
115°	4	61	139	200	225	4
125°	4	50	118	171	192	3
135°	4	39	96	139	157	3
145°	4	28	68	107	118	2
155°	4	18	43	68	78	2
165°	4	11	21	32	39	1
175°	4	4	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1729.2	1729.2	1729.2	1729.2	1729.2
2.5°	1739.9	1736.4	1718.5	1732.8	1725.7
5°	1736.4	1732.8	1715.0	1729.2	1725.7
7.5°	1722.1	1722.1	1711.4	1725.7	1722.1
10°	1707.8	1707.8	1697.1	1715.0	1711.4
12.5°	1686.4	1690.0	1682.9	1704.3	1700.7
15°	1661.5	1668.6	1665.1	1686.4	1686.4
17.5°	1633.0	1640.1	1640.1	1665.1	1665.1
20°	1597.3	1608.0	1615.1	1643.7	1643.7
22.5°	1561.7	1575.9	1586.6	1611.6	1622.3
25°	1518.9	1536.7	1554.5	1586.6	1586.6
27.5°	1476.1	1497.5	1518.9	1551.0	1554.5
30°	1426.2	1451.1	1479.7	1511.7	1518.9
32.5°	1376.3	1408.3	1436.9	1476.1	1486.8
35°	1322.8	1354.9	1394.1	1433.3	1444.0
37.5°	1262.2	1301.4	1351.3	1394.1	1404.8
40°	1208.7	1251.5	1301.4	1351.3	1362.0
42.5°	1148.1	1194.4	1255.0	1301.4	1319.2
45°	1087.5	1137.4	1201.6	1255.0	1269.3
47.5°	1023.3	1080.3	1151.6	1201.6	1219.4
50°	959.1	1019.7	1094.6	1151.6	1165.9
52.5°	894.9	959.1	1037.5	1094.6	1112.4
55°	827.2	894.9	976.9	1037.5	1058.9
57.5°	763.0	830.7	916.3	980.5	1001.9
60°	691.7	770.1	855.7	919.9	944.8
62.5°	631.1	702.4	795.1	859.3	880.7
65°	559.8	634.6	730.9	798.7	820.0
67.5°	492.0	570.5	666.7	738.0	759.4
70°	424.3	502.7	606.1	673.9	698.8
72.5°	356.5	438.5	538.4	613.3	638.2
75°	292.4	370.8	477.8	552.6	577.6
77.5°	224.6	310.2	417.2	492.0	520.6
80°	164.0	253.1	360.1	435.0	463.5
82.5°	110.5	199.7	306.6	381.5	410.0
85°	64.2	153.3	260.3	331.6	356.5
87.5°	32.1	117.7	217.5	288.8	313.8
90°	0.0	85.6	181.8	249.6	274.5
92.5°	0.0	82.0	178.3	242.4	267.4
95°	0.0	82.0	174.7	238.9	263.8
97.5°	0.0	78.4	171.1	238.9	260.3
100°	0.0	74.9	171.1	235.3	256.7
102.5°	0.0	71.3	167.6	231.8	253.1
105°	0.0	67.7	164.0	224.6	246.0
107.5°	3.6	67.7	156.9	221.1	242.4
110°	3.6	64.2	149.7	217.5	238.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.6	60.6	142.6	210.4	231.8
115°	3.6	60.6	139.1	199.7	224.6
117.5°	3.6	57.0	131.9	192.5	217.5
120°	3.6	57.0	128.4	185.4	206.8
122.5°	3.6	53.5	121.2	178.3	199.7
125°	3.6	49.9	117.7	171.1	192.5
127.5°	3.6	46.4	114.1	164.0	185.4
130°	3.6	42.8	107.0	156.9	174.7
132.5°	3.6	42.8	103.4	146.2	167.6
135°	3.6	39.2	96.3	139.1	156.9
137.5°	3.6	35.7	89.1	131.9	149.7
140°	3.6	32.1	82.0	124.8	139.1
142.5°	3.6	32.1	74.9	114.1	128.4
145°	3.6	28.5	67.7	107.0	117.7
147.5°	3.6	25.0	60.6	96.3	107.0
150°	3.6	25.0	53.5	85.6	96.3
152.5°	3.6	21.4	46.4	78.4	89.1
155°	3.6	17.8	42.8	67.7	78.4
157.5°	3.6	17.8	35.7	57.0	67.7
160°	3.6	14.3	32.1	46.4	57.0
162.5°	3.6	14.3	28.5	39.2	49.9
165°	3.6	10.7	21.4	32.1	39.2
167.5°	3.6	10.7	17.8	25.0	32.1
170°	3.6	7.1	14.3	17.8	25.0
172.5°	3.6	7.1	10.7	10.7	10.7
175°	3.6	3.6	7.1	7.1	3.6
177.5°	3.6	3.6	3.6	3.6	3.6
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)