

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: P566693

Luminaire Tested: **4SNX-63SL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

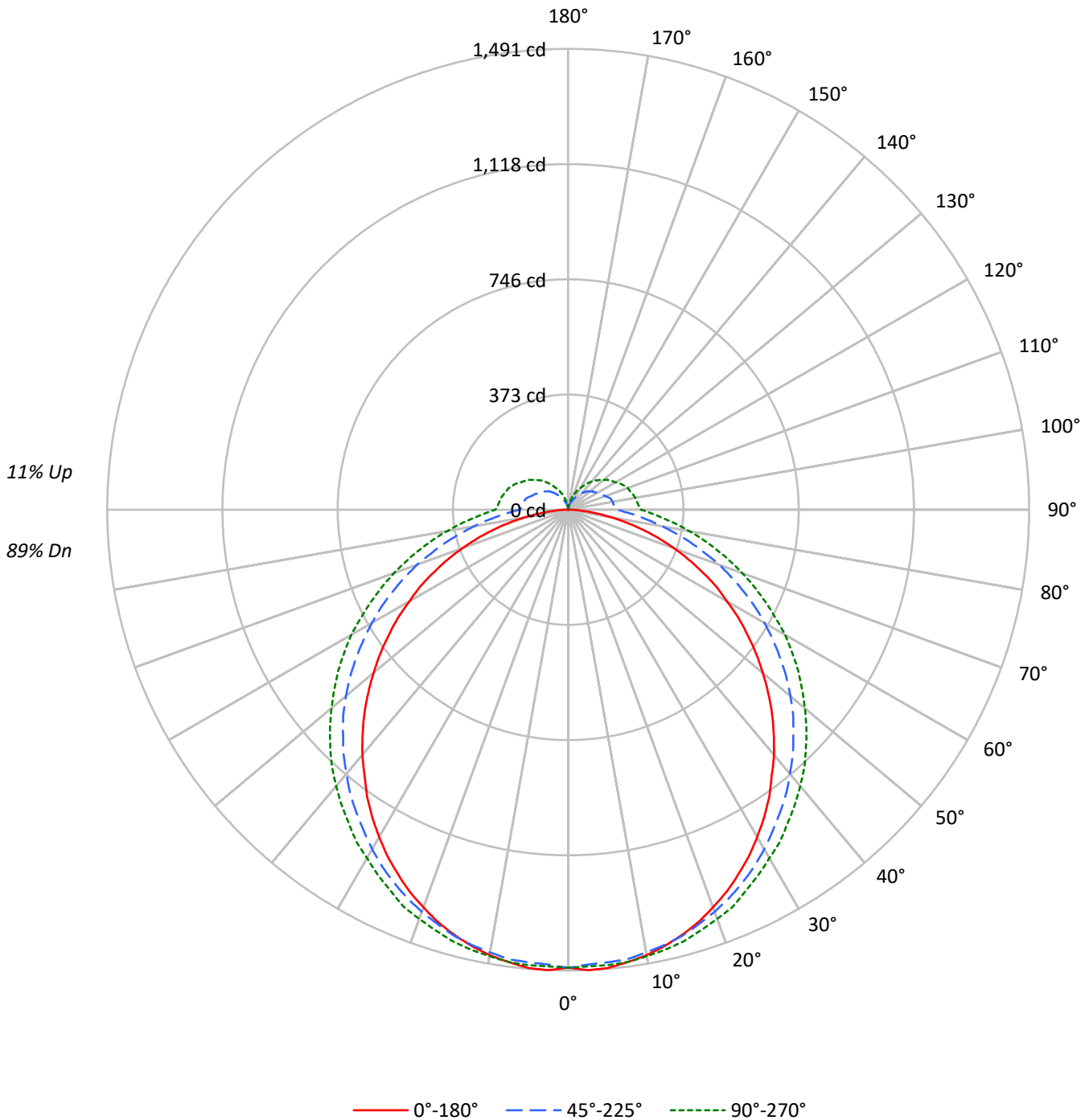
Test Method: LM-79-08  
Report Number: P566693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-63SL-LW-UNV-L950-CD  
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5276.0 lumens  
Efficiency: N/A  
Efficacy: 118.8 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: 0.17')  
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°	15952	15952	15952
5°	16022	15215	15100
10°	15882	14608	14346
15°	15693	14020	13666
20°	15447	13412	12985
25°	15166	12827	12320
30°	14835	12226	11683
35°	14475	11623	11087
40°	14064	11035	10518
45°	13620	10445	9935
50°	13114	9837	9324
55°	12556	9160	8725
60°	11903	8454	8091
65°	11218	7692	7367
70°	10268	6881	6656
75°	9020	5935	5902
80°	7050	4981	5150
85°	4601	4097	4378



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	140.8	2.7
10°-20°	404.6	7.7
20°-30°	615.2	11.7
30°-40°	746.8	14.2
40°-50°	789.2	15.0
50°-60°	738.5	14.0
60°-70°	605.9	11.5
70°-80°	416.8	7.9
80°-90°	228.2	4.3
90°-100°	147.0	2.8
100°-110°	131.9	2.5
110°-120°	109.2	2.1
120°-130°	84.1	1.6
130°-140°	59.1	1.1
140°-150°	35.6	0.7
150°-160°	17.0	0.3
160°-170°	5.6	0.1
170°-180°	0.7	0.0
0°-30°	1160.6	22.0
0°-40°	1907.4	36.2
0°-60°	3435.1	65.1
0°-90°	4686.0	88.8
90°-120°	388.0	7.4
90°-150°	566.7	10.7
90°-180°	590.0	11.2
0°-180°	5276.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1482	1482	1482	1482	1482	
5°	1488	1485	1470	1482	1479	141
15°	1424	1430	1427	1445	1445	402
25°	1302	1317	1332	1360	1360	600
35°	1134	1161	1195	1228	1238	708
45°	932	975	1030	1076	1088	718
55°	709	767	837	889	908	634
65°	480	544	626	684	703	475
75°	251	318	410	474	495	264
85°	55	131	223	284	306	64
90°	0	73	156	214	235	4
95°	0	70	150	205	226	0
105°	0	58	141	192	211	2
115°	3	52	119	171	192	3
125°	3	43	101	147	165	3
135°	3	34	82	119	134	2
145°	3	24	58	92	101	2
155°	3	15	37	58	67	1
165°	3	9	18	28	34	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1482.0	1482.0	1482.0	1482.0	1482.0
2.5°	1491.2	1488.2	1472.9	1485.1	1479.0
5°	1488.2	1485.1	1469.8	1482.0	1479.0
7.5°	1475.9	1475.9	1466.8	1479.0	1475.9
10°	1463.7	1463.7	1454.5	1469.8	1466.8
12.5°	1445.4	1448.4	1442.3	1460.7	1457.6
15°	1424.0	1430.1	1427.0	1445.4	1445.4
17.5°	1399.5	1405.6	1405.6	1427.0	1427.0
20°	1369.0	1378.1	1384.3	1408.7	1408.7
22.5°	1338.4	1350.6	1359.8	1381.2	1390.4
25°	1301.8	1317.0	1332.3	1359.8	1359.8
27.5°	1265.1	1283.4	1301.8	1329.3	1332.3
30°	1222.3	1243.7	1268.1	1295.6	1301.8
32.5°	1179.5	1207.0	1231.5	1265.1	1274.2
35°	1133.7	1161.2	1194.8	1228.4	1237.6
37.5°	1081.7	1115.4	1158.1	1194.8	1204.0
40°	1035.9	1072.6	1115.4	1158.1	1167.3
42.5°	984.0	1023.7	1075.6	1115.4	1130.6
45°	932.0	974.8	1029.8	1075.6	1087.8
47.5°	877.0	925.9	987.0	1029.8	1045.1
50°	822.0	873.9	938.1	987.0	999.2
52.5°	767.0	822.0	889.2	938.1	953.4
55°	708.9	767.0	837.3	889.2	907.6
57.5°	653.9	712.0	785.3	840.3	858.7
60°	592.8	660.0	733.4	788.4	809.8
62.5°	540.9	602.0	681.4	736.4	754.8
65°	479.8	543.9	626.4	684.5	702.8
67.5°	421.7	488.9	571.4	632.5	650.9
70°	363.6	430.9	519.5	577.5	598.9
72.5°	305.6	375.9	461.4	525.6	547.0
75°	250.6	317.8	409.5	473.6	495.0
77.5°	192.5	265.9	357.5	421.7	446.1
80°	140.6	217.0	308.6	372.8	397.2
82.5°	94.7	171.1	262.8	327.0	351.4
85°	55.0	131.4	223.1	284.2	305.6
87.5°	27.5	100.8	186.4	247.5	268.9
90°	0.0	73.3	155.8	213.9	235.3
92.5°	0.0	70.3	152.8	207.8	229.2
95°	0.0	70.3	149.7	204.7	226.1
97.5°	0.0	67.2	146.7	204.7	223.1
100°	0.0	64.2	146.7	201.7	220.0
102.5°	0.0	61.1	143.6	198.6	217.0
105°	0.0	58.1	140.6	192.5	210.8
107.5°	3.1	58.1	134.5	189.5	207.8
110°	3.1	55.0	128.3	186.4	204.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	51.9	122.2	180.3	198.6
115°	3.1	51.9	119.2	171.1	192.5
117.5°	3.1	48.9	113.1	165.0	186.4
120°	3.1	48.9	110.0	158.9	177.2
122.5°	3.1	45.8	103.9	152.8	171.1
125°	3.1	42.8	100.8	146.7	165.0
127.5°	3.1	39.7	97.8	140.6	158.9
130°	3.1	36.7	91.7	134.5	149.7
132.5°	3.1	36.7	88.6	125.3	143.6
135°	3.1	33.6	82.5	119.2	134.5
137.5°	3.1	30.6	76.4	113.1	128.3
140°	3.1	27.5	70.3	107.0	119.2
142.5°	3.1	27.5	64.2	97.8	110.0
145°	3.1	24.4	58.1	91.7	100.8
147.5°	3.1	21.4	51.9	82.5	91.7
150°	3.1	21.4	45.8	73.3	82.5
152.5°	3.1	18.3	39.7	67.2	76.4
155°	3.1	15.3	36.7	58.1	67.2
157.5°	3.1	15.3	30.6	48.9	58.1
160°	3.1	12.2	27.5	39.7	48.9
162.5°	3.1	12.2	24.4	33.6	42.8
165°	3.1	9.2	18.3	27.5	33.6
167.5°	3.1	9.2	15.3	21.4	27.5
170°	3.1	6.1	12.2	15.3	21.4
172.5°	3.1	6.1	9.2	9.2	9.2
175°	3.1	3.1	6.1	6.1	3.1
177.5°	3.1	3.1	3.1	3.1	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)