

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: P566695

Luminaire Tested: **4SNX-63SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566695
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-L835-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

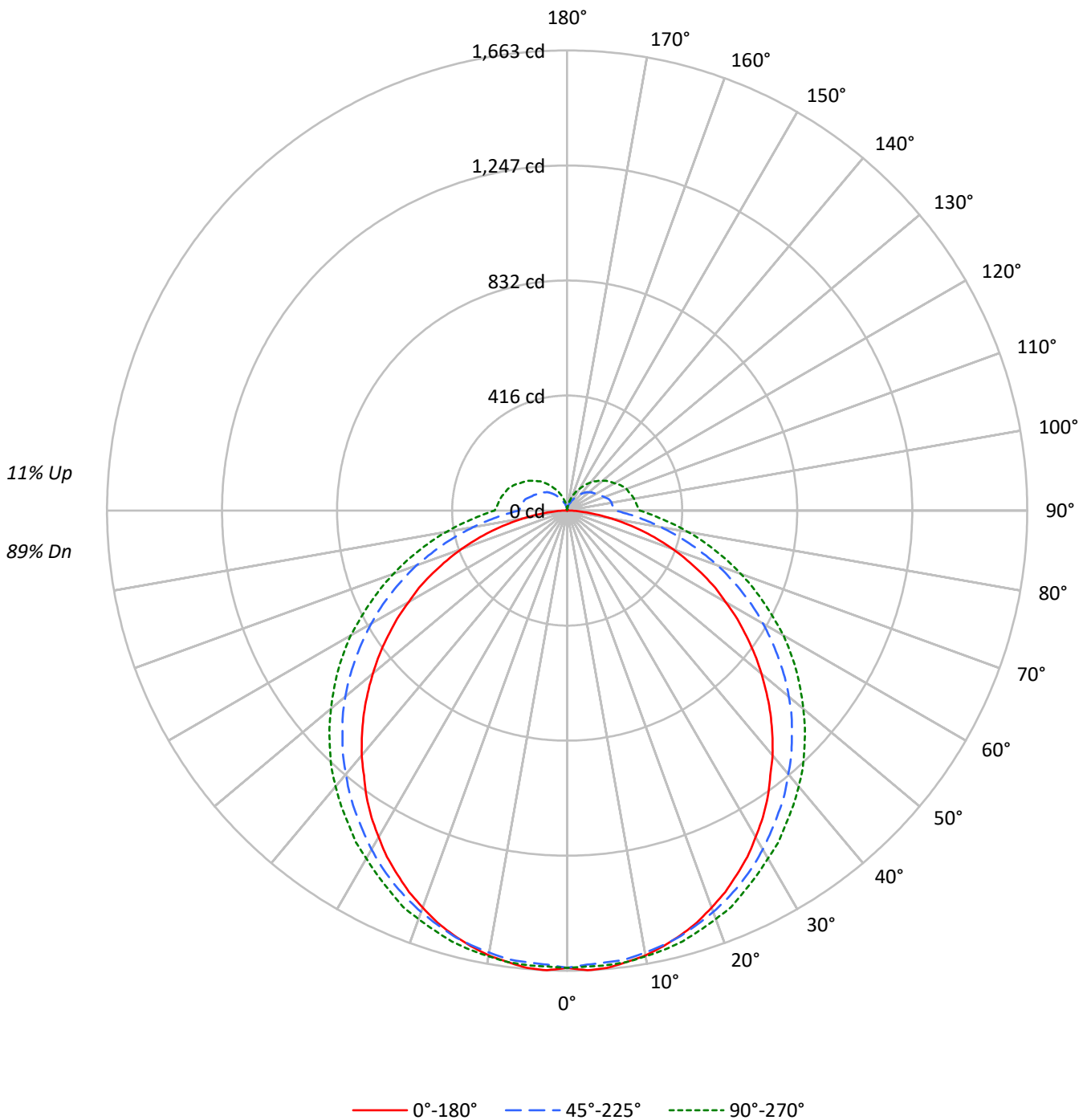
Lumens per Lamp: N/A
Luminaire Lumens: 5883.0 lumens
Efficiency: N/A
Efficacy: 132.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 44.4
Input Voltage (V): NR
Input Current (A_{in}): 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	77	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°	17787	17787	17787
5°	17897	17330	17316
10°	17774	16980	16887
15°	17596	16621	16493
20°	17355	16209	16053
25°	17074	15806	15594
30°	16739	15362	15139
35°	16373	14904	14713
40°	15953	14451	14304
45°	15498	13990	13863
50°	14979	13502	13369
55°	14408	12918	12883
60°	13736	12294	12341
65°	13043	11591	11659
70°	12073	10816	10991
75°	10785	9834	10253
80°	8691	8834	9525
85°	6119	7976	8776



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.0	2.7
10°-20°	451.2	7.7
20°-30°	686.0	11.7
30°-40°	832.7	14.2
40°-50°	880.0	15.0
50°-60°	823.4	14.0
60°-70°	675.6	11.5
70°-80°	464.7	7.9
80°-90°	254.5	4.3
90°-100°	163.9	2.8
100°-110°	147.0	2.5
110°-120°	121.7	2.1
120°-130°	93.7	1.6
130°-140°	65.9	1.1
140°-150°	39.7	0.7
150°-160°	19.0	0.3
160°-170°	6.2	0.1
170°-180°	0.7	0.0
0°-30°	1294.1	22.0
0°-40°	2126.9	36.2
0°-60°	3830.3	65.1
0°-90°	5225.1	88.8
90°-120°	432.7	7.4
90°-150°	631.9	10.7
90°-180°	658.0	11.2
0°-180°	5883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1652	1652	1652	1652	1652	
5°	1659	1656	1639	1652	1649	157
15°	1588	1595	1591	1612	1612	448
25°	1452	1469	1486	1516	1516	669
35°	1264	1295	1332	1370	1380	790
45°	1039	1087	1148	1199	1213	801
55°	790	855	934	992	1012	707
65°	535	606	698	763	784	530
75°	279	354	457	528	552	294
85°	61	146	249	317	341	71
90°	0	82	174	238	262	4
95°	0	78	167	228	252	0
105°	0	65	157	215	235	2
115°	3	58	133	191	215	3
125°	3	48	112	164	184	3
135°	3	38	92	133	150	3
145°	3	27	65	102	112	2
155°	3	17	41	65	75	2
165°	3	10	20	31	38	1
175°	3	3	7	7	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1652.5	1652.5	1652.5	1652.5	1652.5
2.5°	1662.8	1659.4	1642.3	1656.0	1649.1
5°	1659.4	1656.0	1638.9	1652.5	1649.1
7.5°	1645.7	1645.7	1635.5	1649.1	1645.7
10°	1632.1	1632.1	1621.9	1638.9	1635.5
12.5°	1611.7	1615.1	1608.3	1628.7	1625.3
15°	1587.8	1594.6	1591.2	1611.7	1611.7
17.5°	1560.6	1567.4	1567.4	1591.2	1591.2
20°	1526.5	1536.7	1543.5	1570.8	1570.8
22.5°	1492.4	1506.0	1516.3	1540.1	1550.3
25°	1451.5	1468.6	1485.6	1516.3	1516.3
27.5°	1410.6	1431.1	1451.5	1482.2	1485.6
30°	1362.9	1386.8	1414.0	1444.7	1451.5
32.5°	1315.2	1345.9	1373.1	1410.6	1420.9
35°	1264.1	1294.8	1332.3	1369.7	1380.0
37.5°	1206.2	1243.7	1291.4	1332.3	1342.5
40°	1155.1	1196.0	1243.7	1291.4	1301.6
42.5°	1097.2	1141.5	1199.4	1243.7	1260.7
45°	1039.2	1086.9	1148.3	1199.4	1213.0
47.5°	977.9	1032.4	1100.6	1148.3	1165.3
50°	916.6	974.5	1046.0	1100.6	1114.2
52.5°	855.2	916.6	991.5	1046.0	1063.1
55°	790.5	855.2	933.6	991.5	1012.0
57.5°	729.2	793.9	875.7	937.0	957.5
60°	661.0	736.0	817.8	879.1	902.9
62.5°	603.1	671.2	759.8	821.2	841.6
65°	534.9	606.5	698.5	763.2	783.7
67.5°	470.2	545.2	637.2	705.3	725.8
70°	405.5	480.4	579.2	644.0	667.8
72.5°	340.7	419.1	514.5	586.1	609.9
75°	279.4	354.4	456.6	528.1	552.0
77.5°	214.7	296.4	398.7	470.2	497.5
80°	156.7	241.9	344.1	415.7	443.0
82.5°	105.6	190.8	293.0	364.6	391.8
85°	61.3	146.5	248.7	316.9	340.7
87.5°	30.7	112.4	207.8	276.0	299.8
90°	0.0	81.8	173.8	238.5	262.4
92.5°	0.0	78.4	170.4	231.7	255.5
95°	0.0	78.4	167.0	228.3	252.1
97.5°	0.0	75.0	163.6	228.3	248.7
100°	0.0	71.6	163.6	224.9	245.3
102.5°	0.0	68.1	160.1	221.5	241.9
105°	0.0	64.7	156.7	214.7	235.1
107.5°	3.4	64.7	149.9	211.3	231.7
110°	3.4	61.3	143.1	207.8	228.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.4	57.9	136.3	201.0	221.5
115°	3.4	57.9	132.9	190.8	214.7
117.5°	3.4	54.5	126.1	184.0	207.8
120°	3.4	54.5	122.7	177.2	197.6
122.5°	3.4	51.1	115.8	170.4	190.8
125°	3.4	47.7	112.4	163.6	184.0
127.5°	3.4	44.3	109.0	156.7	177.2
130°	3.4	40.9	102.2	149.9	167.0
132.5°	3.4	40.9	98.8	139.7	160.1
135°	3.4	37.5	92.0	132.9	149.9
137.5°	3.4	34.1	85.2	126.1	143.1
140°	3.4	30.7	78.4	119.3	132.9
142.5°	3.4	30.7	71.6	109.0	122.7
145°	3.4	27.3	64.7	102.2	112.4
147.5°	3.4	23.9	57.9	92.0	102.2
150°	3.4	23.9	51.1	81.8	92.0
152.5°	3.4	20.4	44.3	75.0	85.2
155°	3.4	17.0	40.9	64.7	75.0
157.5°	3.4	17.0	34.1	54.5	64.7
160°	3.4	13.6	30.7	44.3	54.5
162.5°	3.4	13.6	27.3	37.5	47.7
165°	3.4	10.2	20.4	30.7	37.5
167.5°	3.4	10.2	17.0	23.9	30.7
170°	3.4	6.8	13.6	17.0	23.9
172.5°	3.4	6.8	10.2	10.2	10.2
175°	3.4	3.4	6.8	6.8	3.4
177.5°	3.4	3.4	3.4	3.4	3.4
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)