

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: P566467

Luminaire Tested: **4SNX-45SL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566467
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-45SL-UNV-L935-CD
Description: 4FT 4500 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

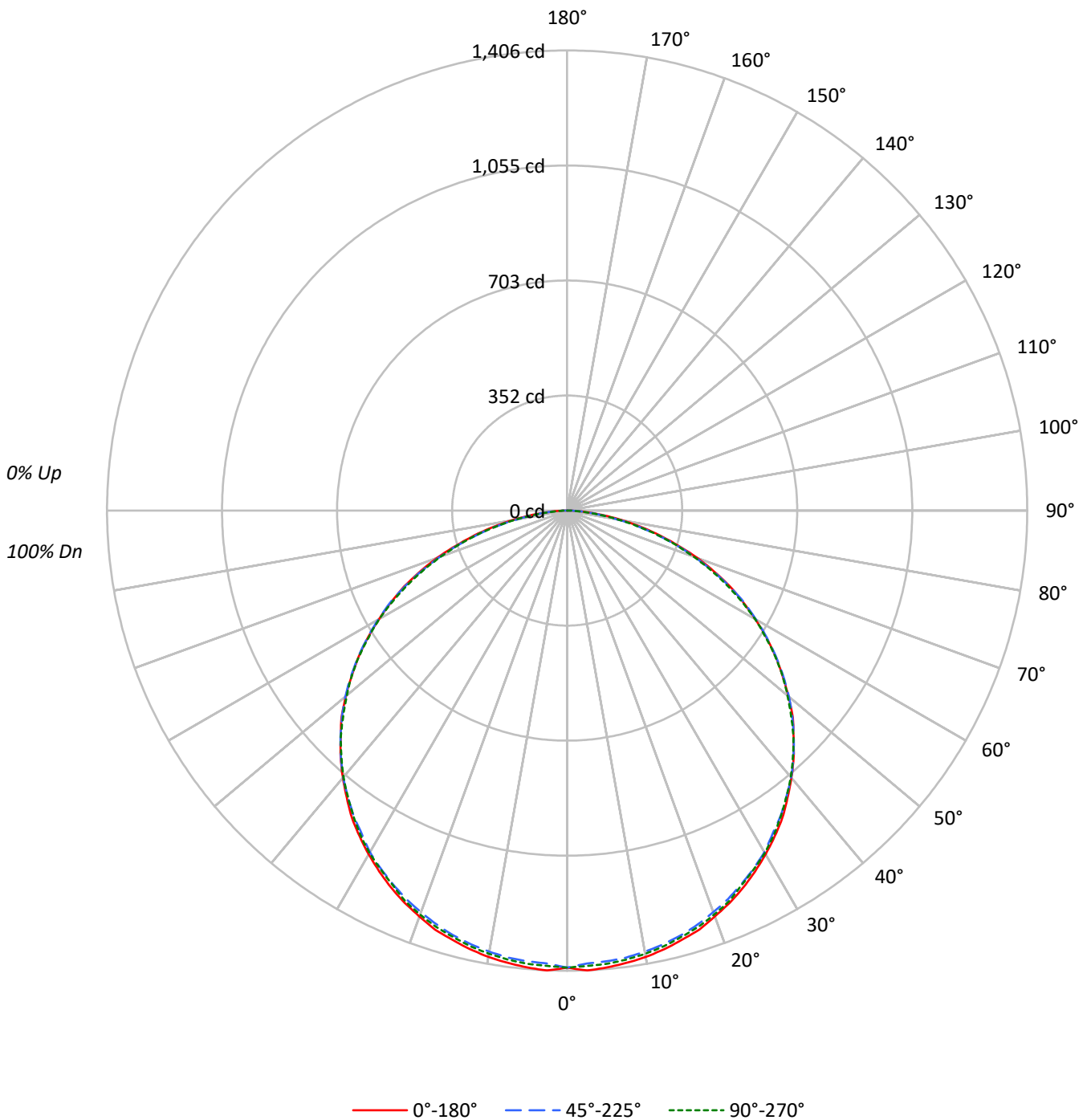
Lumens per Lamp: N/A
Luminaire Lumens: 4175.0 lumens
Efficiency: N/A
Efficacy: 140.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 29.8
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	50	30	10	50	30	10	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83					83			
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69					69			
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49					49			
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42					42			
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37					37			
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33					33			
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29					29			
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26					26			
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23					23			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15030	15030	15030
5°	15141	14938	15019
10°	15138	14960	15029
15°	15126	14973	15028
20°	15117	14959	15046
25°	15107	14959	14988
30°	15076	14983	15014
35°	15064	14950	14966
40°	14980	14962	14945
45°	14891	14909	14891
50°	14781	14825	14719
55°	14587	14634	14563
60°	14301	14355	14273
65°	14008	13911	13720
70°	13319	13042	12884
75°	12169	11749	11803
80°	10507	9732	9961
85°	7904	7595	6830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	3.2
10°-20°	381.7	9.1
20°-30°	584.0	14.0
30°-40°	714.1	17.1
40°-50°	755.3	18.1
50°-60°	696.0	16.7
60°-70°	536.3	12.8
70°-80°	300.5	7.2
80°-90°	74.7	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1098.2	26.3
0°-40°	1812.2	43.4
0°-60°	3263.5	78.2
0°-90°	4175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1401	1396	1382	1396	1390	133
15°	1357	1355	1344	1355	1349	384
25°	1272	1270	1260	1270	1262	586
35°	1146	1144	1138	1141	1139	716
45°	978	982	979	978	978	756
55°	777	784	780	780	776	694
65°	550	550	546	532	539	541
75°	293	289	282	272	284	310
85°	64	60	62	62	55	79
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.3	1396.3	1396.3	1396.3	1396.3
2.5°	1406.4	1400.1	1385.0	1398.8	1392.6
5°	1401.3	1396.3	1382.5	1396.3	1390.0
7.5°	1393.8	1390.0	1377.5	1390.0	1383.8
10°	1385.0	1381.3	1368.7	1381.3	1375.0
12.5°	1372.5	1370.0	1357.4	1370.0	1363.7
15°	1357.4	1354.9	1343.6	1354.9	1348.6
17.5°	1342.3	1337.3	1326.0	1338.6	1333.5
20°	1319.7	1317.2	1305.9	1317.2	1313.5
22.5°	1297.1	1294.6	1284.6	1294.6	1292.1
25°	1272.0	1269.5	1259.5	1269.5	1262.0
27.5°	1243.1	1244.4	1233.1	1239.4	1235.6
30°	1213.0	1213.0	1205.5	1208.0	1208.0
32.5°	1180.3	1180.3	1169.0	1176.6	1175.3
35°	1146.4	1143.9	1137.7	1141.4	1138.9
37.5°	1106.3	1105.0	1101.2	1103.8	1101.2
40°	1066.1	1067.3	1064.8	1063.6	1063.6
42.5°	1024.6	1027.2	1023.4	1022.1	1020.9
45°	978.2	981.9	979.4	978.2	978.2
47.5°	935.5	936.7	933.0	931.7	928.0
50°	882.7	887.8	885.3	882.7	879.0
52.5°	830.0	837.5	832.5	830.0	830.0
55°	777.3	783.5	779.8	779.8	776.0
57.5°	722.0	728.3	723.3	723.3	718.3
60°	664.3	670.5	666.8	663.0	663.0
62.5°	606.5	611.5	610.3	604.0	600.2
65°	550.0	550.0	546.2	532.4	538.7
67.5°	486.0	484.7	479.7	465.9	474.7
70°	423.2	423.2	414.4	398.1	409.4
72.5°	355.4	359.1	347.8	336.5	347.8
75°	292.6	288.8	282.5	272.5	283.8
77.5°	232.3	226.0	218.5	213.5	219.7
80°	169.5	165.8	157.0	157.0	160.7
82.5°	115.5	111.8	105.5	106.7	101.7
85°	64.0	60.3	61.5	61.5	55.3
87.5°	26.4	26.4	26.4	23.9	21.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)