

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: P566321

Luminaire Tested: **4SNX-33SL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566321
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-33SL-UNV-L850-CD
Description: 4FT 3300 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

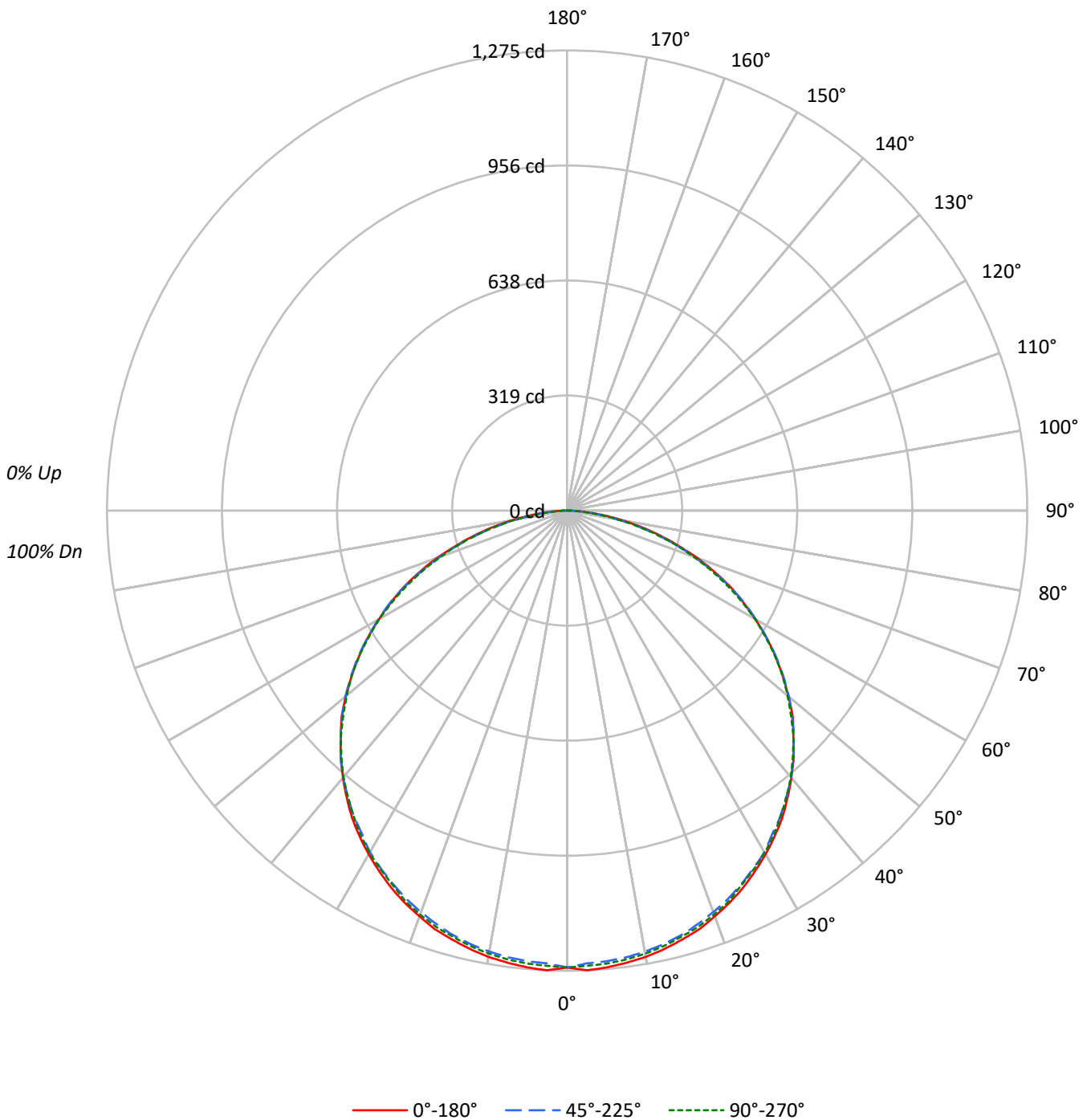
Lumens per Lamp: N/A
Luminaire Lumens: 3785.0 lumens
Efficiency: N/A
Efficacy: 179.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
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	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°	13626	13626	13626
5°	13727	13543	13617
10°	13724	13562	13624
15°	13713	13574	13624
20°	13704	13561	13640
25°	13696	13561	13588
30°	13668	13584	13611
35°	13658	13553	13567
40°	13581	13565	13548
45°	13499	13516	13499
50°	13402	13440	13345
55°	13225	13266	13202
60°	12964	13014	12940
65°	12699	12613	12439
70°	12072	11824	11679
75°	11029	10651	10701
80°	9527	8821	9031
85°	7175	6891	6187



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	3.2
10°-20°	346.0	9.1
20°-30°	529.5	14.0
30°-40°	647.4	17.1
40°-50°	684.8	18.1
50°-60°	631.0	16.7
60°-70°	486.2	12.8
70°-80°	272.4	7.2
80°-90°	67.7	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°	995.6	26.3
0°-40°	1642.9	43.4
0°-60°	2958.7	78.2
0°-90°	3785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3785.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1270	1266	1253	1266	1260	121
15°	1231	1228	1218	1228	1223	348
25°	1153	1151	1142	1151	1144	531
35°	1039	1037	1031	1035	1032	649
45°	887	890	888	887	887	685
55°	705	710	707	707	704	629
65°	499	499	495	483	488	490
75°	265	262	256	247	257	281
85°	58	55	56	56	50	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1265.9	1265.9	1265.9	1265.9	1265.9
2.5°	1275.0	1269.3	1255.6	1268.2	1262.5
5°	1270.4	1265.9	1253.4	1265.9	1260.2
7.5°	1263.6	1260.2	1248.8	1260.2	1254.5
10°	1255.6	1252.2	1240.8	1252.2	1246.5
12.5°	1244.3	1242.0	1230.6	1242.0	1236.3
15°	1230.6	1228.3	1218.1	1228.3	1222.6
17.5°	1216.9	1212.4	1202.1	1213.5	1209.0
20°	1196.4	1194.2	1183.9	1194.2	1190.8
22.5°	1176.0	1173.7	1164.6	1173.7	1171.4
25°	1153.2	1150.9	1141.8	1150.9	1144.1
27.5°	1127.0	1128.1	1117.9	1123.6	1120.2
30°	1099.7	1099.7	1092.9	1095.1	1095.1
32.5°	1070.1	1070.1	1059.8	1066.7	1065.5
35°	1039.4	1037.1	1031.4	1034.8	1032.5
37.5°	1002.9	1001.8	998.4	1000.6	998.4
40°	966.5	967.6	965.4	964.2	964.2
42.5°	928.9	931.2	927.8	926.6	925.5
45°	886.8	890.2	887.9	886.8	886.8
47.5°	848.1	849.2	845.8	844.7	841.3
50°	800.3	804.8	802.6	800.3	796.9
52.5°	752.5	759.3	754.8	752.5	752.5
55°	704.7	710.4	706.9	706.9	703.5
57.5°	654.6	660.3	655.7	655.7	651.2
60°	602.2	607.9	604.5	601.1	601.1
62.5°	549.8	554.4	553.3	547.6	544.2
65°	498.6	498.6	495.2	482.7	488.4
67.5°	440.6	439.4	434.9	422.3	430.3
70°	383.6	383.6	375.7	360.9	371.1
72.5°	322.2	325.6	315.3	305.1	315.3
75°	265.2	261.8	256.1	247.0	257.3
77.5°	210.6	204.9	198.1	193.5	199.2
80°	153.7	150.3	142.3	142.3	145.7
82.5°	104.7	101.3	95.6	96.8	92.2
85°	58.1	54.6	55.8	55.8	50.1
87.5°	23.9	23.9	23.9	21.6	19.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)