

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: P566863

Luminaire Tested: **4SNX-84HL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566863
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-84HL-LC-UNV-L835-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

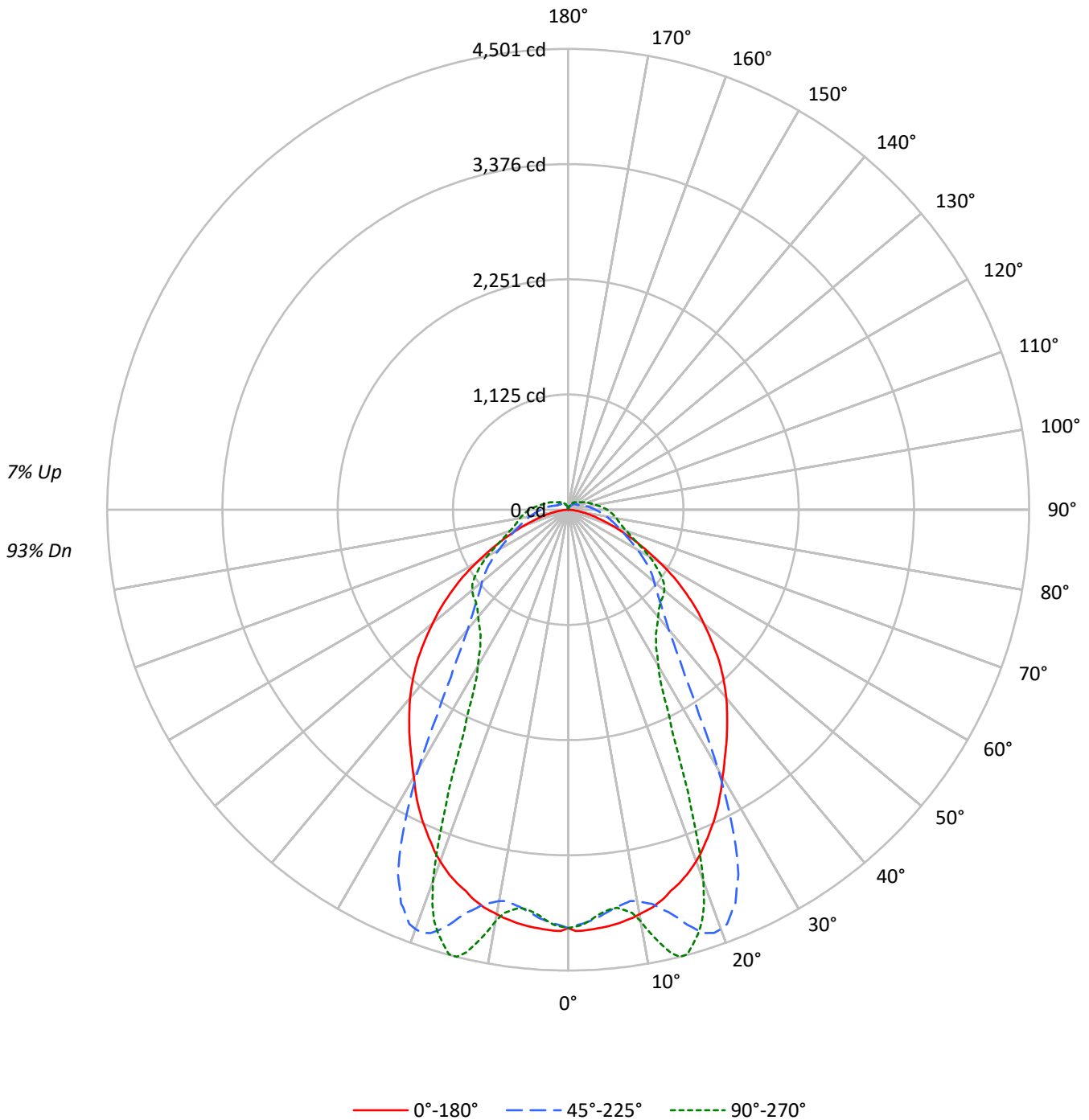
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9084.0 lumens
Efficiency: N/A
Efficacy: 156.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 57.9
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

TEST NUMBER: P566863
CATALOG NUMBER: 4SNX-84HL-LC-UNV-L835-CD

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	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	43996	43996	43996
5°	44048	41061	40272
10°	43521	38988	39935
15°	42507	40554	42513
20°	41221	42234	35580
25°	39152	37857	21877
30°	36580	28174	15833
35°	34478	19430	13357
40°	32595	15066	12309
45°	30402	12815	11641
50°	27548	11490	11428
55°	24542	10379	10574
60°	20691	8969	9146
65°	16701	7800	7633
70°	12964	6999	6721
75°	9883	6493	6268
80°	6744	6133	6204
85°	3480	5833	6161



TEST NUMBER: P566863

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	380.3	4.2
10°-20°	1162.2	12.8
20°-30°	1564.9	17.2
30°-40°	1481.0	16.3
40°-50°	1307.2	14.4
50°-60°	1061.7	11.7
60°-70°	722.1	7.9
70°-80°	464.6	5.1
80°-90°	308.9	3.4
90°-100°	212.3	2.3
100°-110°	142.5	1.6
110°-120°	100.5	1.1
120°-130°	71.8	0.8
130°-140°	50.7	0.6
140°-150°	31.5	0.3
150°-160°	15.3	0.2
160°-170°	5.4	0.1
170°-180°	0.9	0.0
0°-30°	3107.4	34.2
0°-40°	4588.4	50.5
0°-60°	6957.3	76.6
0°-90°	8453.0	93.1
90°-120°	455.4	5.0
90°-150°	609.3	6.7
90°-180°	631.0	6.9
0°-180°	9084.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4087	4087	4087	4087	4087	
5°	4092	4054	3967	3964	3944	388
15°	3857	3832	4128	4492	4496	1087
25°	3361	3985	3932	2856	2415	1542
35°	2700	3789	1997	1538	1491	1690
45°	2080	2549	1264	1248	1275	1597
55°	1386	1508	949	1060	1100	1237
65°	714	813	635	706	728	717
75°	275	384	448	502	526	299
85°	42	164	318	402	430	54
90°	1	114	265	356	380	2
95°	1	87	223	302	323	1
105°	3	61	147	207	232	3
115°	3	53	108	154	173	3
125°	4	44	93	116	125	4
135°	6	35	76	97	103	4
145°	6	25	54	75	82	4
155°	7	15	33	50	57	3
165°	7	10	18	25	30	2
175°	8	8	8	8	7	1
180°	7	7	7	7	7	



TEST NUMBER: P566863

CATALOG NUMBER: 4SNX-84HL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4087.4	4087.4	4087.4	4087.4	4087.4
1°	4115.1	4102.6	4061.0	4083.2	4072.1
2°	4113.7	4092.9	4045.7	4070.7	4056.8
3°	4106.8	4084.6	4023.6	4038.8	4018.0
4°	4099.8	4073.5	4000.0	4000.0	3976.4
5°	4091.5	4054.1	3966.7	3963.9	3944.5
6°	4081.8	4038.8	3937.6	3934.8	3923.7
7°	4067.9	4012.5	3905.7	3925.1	3916.8
8°	4051.3	3987.5	3889.0	3937.6	3950.0
9°	4036.0	3957.0	3869.6	3976.4	3986.1
10°	4011.1	3929.2	3882.1	4054.1	4083.2
11°	3990.3	3905.7	3909.8	4130.3	4217.7
12°	3969.5	3880.7	3936.2	4226.0	4332.8
13°	3934.8	3861.3	3994.4	4330.1	4439.6
14°	3904.3	3846.0	4051.3	4435.5	4500.7
15°	3857.1	3832.2	4127.6	4492.3	4496.5
16°	3825.2	3822.4	4216.3	4496.5	4418.8
17°	3789.2	3818.3	4288.5	4424.4	4332.8
18°	3748.9	3826.6	4348.1	4334.2	4228.8
19°	3703.2	3834.9	4373.1	4209.4	4073.5
20°	3653.2	3847.4	4359.2	4079.0	3859.9
21°	3603.3	3864.1	4332.8	3941.7	3579.7
22.5°	3510.4	3904.3	4208.0	3556.1	3116.5
23°	3484.0	3912.6	4178.9	3435.5	2995.8
24°	3418.8	3947.3	4045.7	3153.9	2676.8
25°	3360.6	3984.7	3932.0	2855.7	2414.7
26°	3295.4	4012.5	3760.0	2581.1	2253.8
27°	3231.6	4029.1	3564.5	2367.5	2073.5
28°	3158.1	4047.1	3352.3	2183.1	1937.6
29°	3088.7	4049.9	3142.8	2036.0	1830.8
30°	3013.9	4036.0	2922.3	1918.2	1764.2
32.5°	2850.2	3959.8	2382.8	1693.5	1597.8
35°	2700.4	3789.2	1997.2	1538.1	1491.0
37.5°	2549.2	3520.1	1726.8	1441.0	1425.8
40°	2400.8	3201.1	1522.9	1363.4	1366.1
42.5°	2244.1	2872.4	1382.8	1299.6	1312.1
45°	2080.4	2549.2	1263.5	1248.3	1274.6
47.5°	1898.7	2253.8	1169.2	1215.0	1255.2
50°	1726.8	1961.2	1095.7	1183.1	1224.7
52.5°	1563.1	1721.2	1029.1	1129.0	1177.5
55°	1385.6	1507.6	948.7	1059.6	1099.9
57.5°	1216.4	1314.8	864.1	973.6	1009.7
60°	1030.5	1124.8	778.1	880.7	915.4
62.5°	862.7	962.5	704.6	787.8	815.5
65°	714.3	812.8	635.2	706.0	728.2



TEST NUMBER: P566863

CATALOG NUMBER: 4SNX-84HL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	582.5	687.9	578.4	638.0	658.8
70°	459.1	570.0	528.4	582.5	604.7
72.5°	359.2	471.6	486.8	536.8	558.9
75°	274.6	384.2	448.0	502.1	525.7
77.5°	203.9	313.5	411.9	474.3	499.3
80°	134.5	249.7	380.0	449.4	478.5
82.5°	84.6	201.1	348.1	424.4	454.9
85°	41.6	163.7	317.6	402.2	430.0
87.5°	13.9	135.9	289.9	380.0	403.6
90°	1.4	113.7	264.9	356.4	380.0
92.5°	1.4	98.5	244.1	328.7	352.3
95°	1.4	87.4	223.3	302.4	323.2
97.5°	1.4	79.1	203.9	274.6	296.8
100°	1.4	70.7	183.1	248.3	271.8
102.5°	2.8	65.2	165.0	226.1	251.0
105°	2.8	61.0	147.0	206.7	231.6
107.5°	2.8	58.3	131.8	191.4	215.0
110°	2.8	55.5	120.7	177.5	202.5
112.5°	2.8	54.1	113.7	165.0	188.6
115°	2.8	52.7	108.2	154.0	173.4
117.5°	4.2	51.3	104.0	142.9	158.1
120°	4.2	48.5	101.2	133.1	145.6
122.5°	4.2	45.8	97.1	124.8	134.5
125°	4.2	44.4	92.9	116.5	124.8
127.5°	4.2	41.6	88.8	109.6	117.9
130°	5.5	38.8	84.6	104.0	111.0
132.5°	5.5	36.1	80.4	101.2	106.8
135°	5.5	34.7	76.3	97.1	102.6
137.5°	5.5	31.9	72.1	92.9	98.5
140°	5.5	29.1	66.6	87.4	92.9
142.5°	5.5	27.7	61.0	81.8	87.4
145°	5.5	25.0	54.1	74.9	81.8
147.5°	6.9	23.6	48.5	69.3	74.9
150°	6.9	20.8	43.0	63.8	69.3
152.5°	6.9	18.0	37.4	56.9	62.4
155°	6.9	15.3	33.3	49.9	56.9
157.5°	6.9	13.9	29.1	41.6	49.9
160°	6.9	12.5	25.0	36.1	43.0
162.5°	6.9	11.1	22.2	30.5	37.4
165°	6.9	9.7	18.0	25.0	30.5
167.5°	8.3	9.7	15.3	19.4	25.0
170°	8.3	9.7	12.5	15.3	19.4
172.5°	8.3	8.3	9.7	11.1	12.5
175°	8.3	8.3	8.3	8.3	6.9
177.5°	8.3	8.3	8.3	6.9	6.9



TEST NUMBER: P566863

CATALOG NUMBER: 4SNX-84HL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.9	6.9	6.9	6.9	6.9

(END OF REPORT)