

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: P567579

Luminaire Tested: **8SNX-174HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-174HL-UNV-L835-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

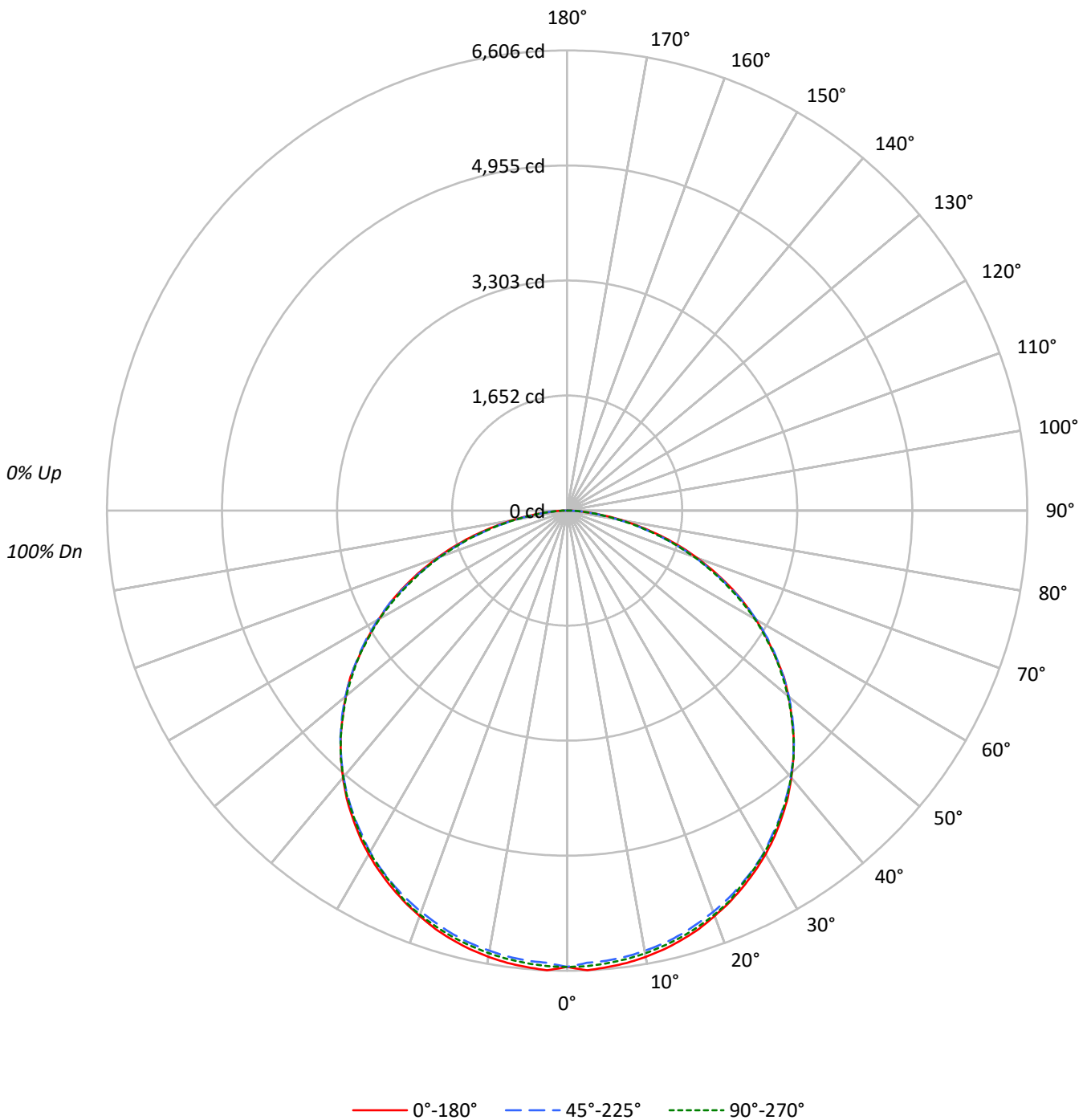
Lumens per Lamp: N/A
Luminaire Lumens: 19609.0 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 124.4
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

TEST NUMBER: P567579

CATALOG NUMBER: 8SNX-174HL-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567579

CATALOG NUMBER: 8SNX-174HL-UNV-L835-CD

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°	35256	35256	35256
5°	35540	35046	35255
10°	35557	35072	35269
15°	35541	35109	35310
20°	35470	35105	35359
25°	35427	35147	35213
30°	35404	35179	35214
35°	35317	35098	35152
40°	35175	35097	35116
45°	34984	35047	34984
50°	34747	34817	34631
55°	34205	34387	34205
60°	33630	33778	33480
65°	32797	32409	32056
70°	31234	30535	30449
75°	28823	27440	27555
80°	24658	23112	23543
85°	18315	17976	16778



TEST NUMBER: P567579

CATALOG NUMBER: 8SNX-174HL-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.7	3.2
10°-20°	1791.2	9.1
20°-30°	2742.2	14.0
30°-40°	3354.5	17.1
40°-50°	3548.0	18.1
50°-60°	3269.1	16.7
60°-70°	2516.1	12.8
70°-80°	1413.6	7.2
80°-90°	352.6	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°	5155.1	26.3
0°-40°	8509.6	43.4
0°-60°	15326.7	78.2
0°-90°	19609.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	19609.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6551	6551	6551	6551	6551	
5°	6578	6559	6487	6545	6526	626
15°	6379	6362	6301	6357	6337	1801
25°	5966	5960	5919	5960	5930	2752
35°	5375	5367	5342	5367	5350	3364
45°	4596	4610	4605	4594	4596	3544
55°	3645	3679	3665	3654	3645	3265
65°	2575	2581	2545	2509	2517	2541
75°	1386	1364	1320	1300	1325	1460
85°	297	291	291	283	272	366
90°	0	0	0	0	0	



TEST NUMBER: P567579

CATALOG NUMBER: 8SNX-174HL-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6550.7	6550.7	6550.7	6550.7	6550.7
2.5°	6606.1	6570.1	6498.0	6561.8	6545.2
5°	6578.4	6559.0	6486.9	6545.2	6525.7
7.5°	6550.7	6528.5	6459.2	6523.0	6495.3
10°	6506.3	6486.9	6417.6	6478.6	6453.7
12.5°	6448.1	6431.5	6367.7	6425.9	6401.0
15°	6378.8	6362.2	6301.2	6356.6	6337.2
17.5°	6295.7	6276.3	6218.0	6276.3	6262.4
20°	6193.1	6182.0	6129.3	6182.0	6173.7
22.5°	6087.7	6073.9	6032.3	6071.1	6073.9
25°	5965.8	5960.2	5918.6	5960.2	5929.7
27.5°	5838.2	5838.2	5796.7	5824.4	5805.0
30°	5696.9	5694.1	5660.8	5674.7	5666.4
32.5°	5544.4	5541.6	5497.3	5533.3	5519.4
35°	5375.3	5367.0	5342.0	5367.0	5350.3
37.5°	5200.6	5192.3	5172.9	5186.8	5184.0
40°	5006.6	5006.6	4995.5	5006.6	4998.3
42.5°	4807.0	4815.3	4801.4	4812.5	4812.5
45°	4596.3	4610.2	4604.6	4593.5	4596.3
47.5°	4371.8	4396.7	4382.8	4380.1	4366.2
50°	4150.0	4172.2	4158.3	4144.4	4136.1
52.5°	3919.9	3931.0	3914.3	3908.8	3889.4
55°	3645.4	3678.7	3664.8	3653.8	3645.4
57.5°	3393.2	3418.1	3407.0	3384.9	3371.0
60°	3124.3	3143.7	3138.1	3113.2	3110.4
62.5°	2860.9	2866.5	2860.9	2816.6	2819.3
65°	2575.4	2580.9	2544.9	2508.8	2517.2
67.5°	2276.0	2292.6	2242.7	2190.0	2226.1
70°	1984.9	1979.3	1940.5	1882.3	1935.0
72.5°	1685.5	1680.0	1635.6	1594.0	1630.1
75°	1386.1	1363.9	1319.6	1300.2	1325.1
77.5°	1075.6	1050.7	1031.3	1017.4	1028.5
80°	795.6	762.4	745.7	734.6	759.6
82.5°	529.5	504.5	496.2	504.5	499.0
85°	296.6	291.1	291.1	282.8	271.7
87.5°	122.0	127.5	130.3	127.5	122.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)