

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: P567585

Luminaire Tested: **8SNX-174HL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567585
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-L950-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

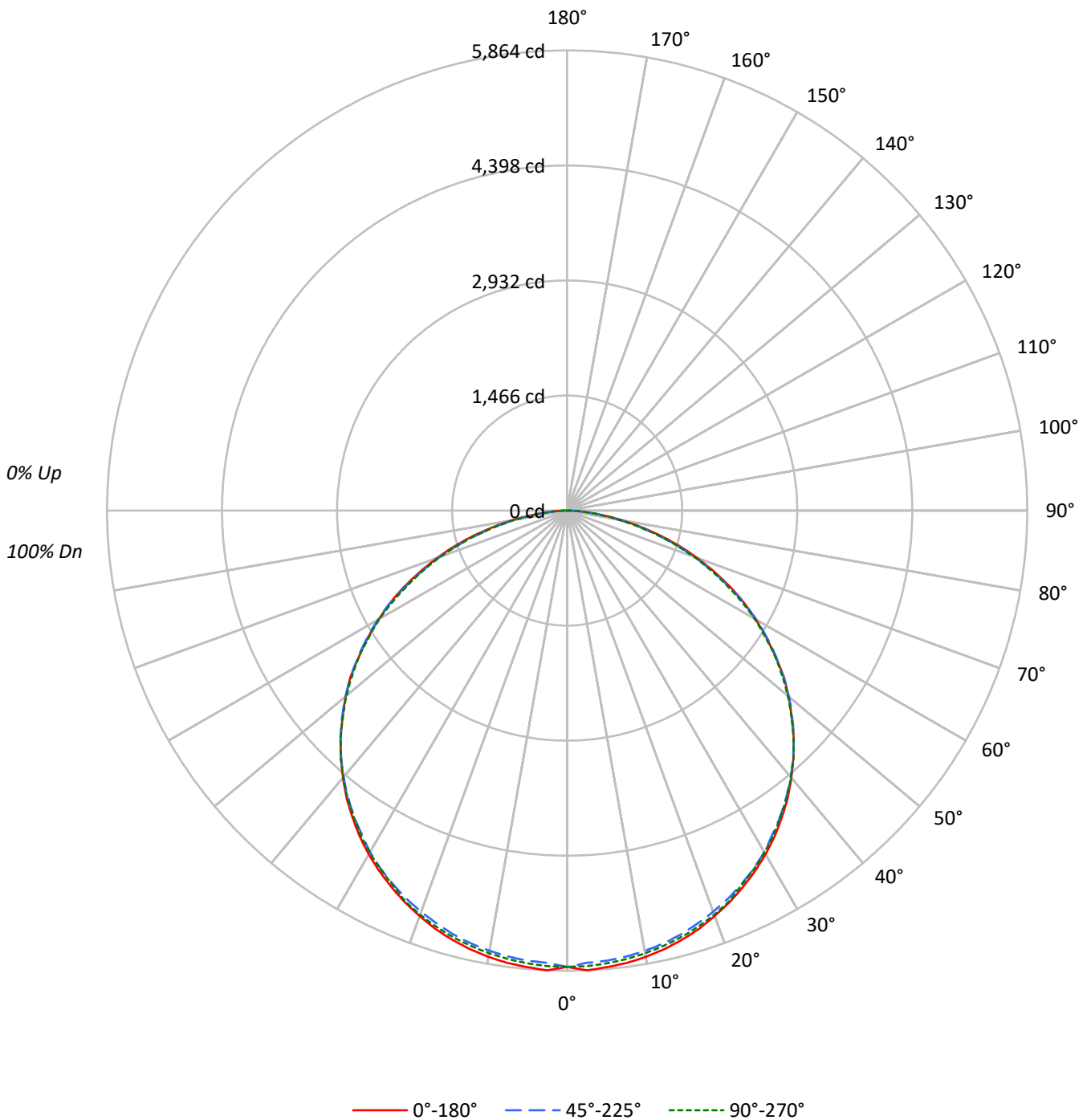
Lumens per Lamp: N/A
Luminaire Lumens: 17405.0 lumens
Efficiency: N/A
Efficacy: 139.9 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

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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°	31293	31293	31293
5°	31545	31107	31293
10°	31560	31130	31305
15°	31547	31163	31341
20°	31483	31159	31385
25°	31445	31196	31255
30°	31424	31226	31256
35°	31347	31153	31202
40°	31221	31152	31169
45°	31052	31108	31052
50°	30841	30903	30738
55°	30361	30522	30361
60°	29849	29982	29717
65°	29110	28765	28452
70°	27723	27103	27026
75°	25583	24354	24458
80°	21888	20515	20896
85°	16259	15956	14888



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	551.8	3.2
10°-20°	1589.9	9.1
20°-30°	2434.0	14.0
30°-40°	2977.4	17.1
40°-50°	3149.2	18.1
50°-60°	2901.7	16.7
60°-70°	2233.3	12.8
70°-80°	1254.7	7.2
80°-90°	313.0	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°	4575.7	26.3
0°-40°	7553.1	43.4
0°-60°	13604.0	78.2
0°-90°	17405.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17405.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5814	5814	5814	5814	5814	
5°	5839	5822	5758	5810	5792	555
15°	5662	5647	5593	5642	5625	1598
25°	5295	5290	5253	5290	5263	2442
35°	4771	4764	4742	4764	4749	2986
45°	4080	4092	4087	4077	4080	3146
55°	3236	3265	3253	3243	3236	2898
65°	2286	2291	2259	2227	2234	2255
75°	1230	1211	1171	1154	1176	1296
85°	263	258	258	251	241	325
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5814.4	5814.4	5814.4	5814.4	5814.4
2.5°	5863.6	5831.6	5767.7	5824.3	5809.5
5°	5839.0	5821.8	5757.8	5809.5	5792.3
7.5°	5814.4	5794.7	5733.2	5789.8	5765.2
10°	5775.0	5757.8	5696.3	5750.4	5728.3
12.5°	5723.4	5708.6	5652.0	5703.7	5681.5
15°	5661.9	5647.1	5593.0	5642.2	5625.0
17.5°	5588.0	5570.8	5519.1	5570.8	5558.5
20°	5497.0	5487.2	5440.4	5487.2	5479.8
22.5°	5403.5	5391.2	5354.3	5388.7	5391.2
25°	5295.2	5290.3	5253.4	5290.3	5263.2
27.5°	5182.0	5182.0	5145.1	5169.7	5152.5
30°	5056.5	5054.1	5024.6	5036.9	5029.5
32.5°	4921.2	4918.8	4879.4	4911.4	4899.1
35°	4771.1	4763.7	4741.6	4763.7	4749.0
37.5°	4616.1	4608.7	4591.5	4603.8	4601.3
40°	4443.9	4443.9	4434.0	4443.9	4436.5
42.5°	4266.7	4274.1	4261.8	4271.6	4271.6
45°	4079.7	4092.0	4087.1	4077.2	4079.7
47.5°	3880.4	3902.5	3890.2	3887.8	3875.5
50°	3683.5	3703.2	3690.9	3678.6	3671.2
52.5°	3479.3	3489.1	3474.4	3469.5	3452.2
55°	3235.7	3265.2	3252.9	3243.1	3235.7
57.5°	3011.8	3033.9	3024.1	3004.4	2992.1
60°	2773.1	2790.3	2785.4	2763.3	2760.8
62.5°	2539.3	2544.3	2539.3	2500.0	2502.4
65°	2285.9	2290.8	2258.8	2226.9	2234.2
67.5°	2020.2	2034.9	1990.6	1943.9	1975.9
70°	1761.8	1756.9	1722.4	1670.8	1717.5
72.5°	1496.0	1491.1	1451.8	1414.8	1446.8
75°	1230.3	1210.6	1171.2	1154.0	1176.2
77.5°	954.7	932.6	915.3	903.0	912.9
80°	706.2	676.7	661.9	652.1	674.2
82.5°	470.0	447.8	440.4	447.8	442.9
85°	263.3	258.4	258.4	251.0	241.1
87.5°	108.3	113.2	115.6	113.2	108.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)