

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: P567584

Luminaire Tested: **8SNX-174HL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567584
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-L940-CD
Description: 8FT 17400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

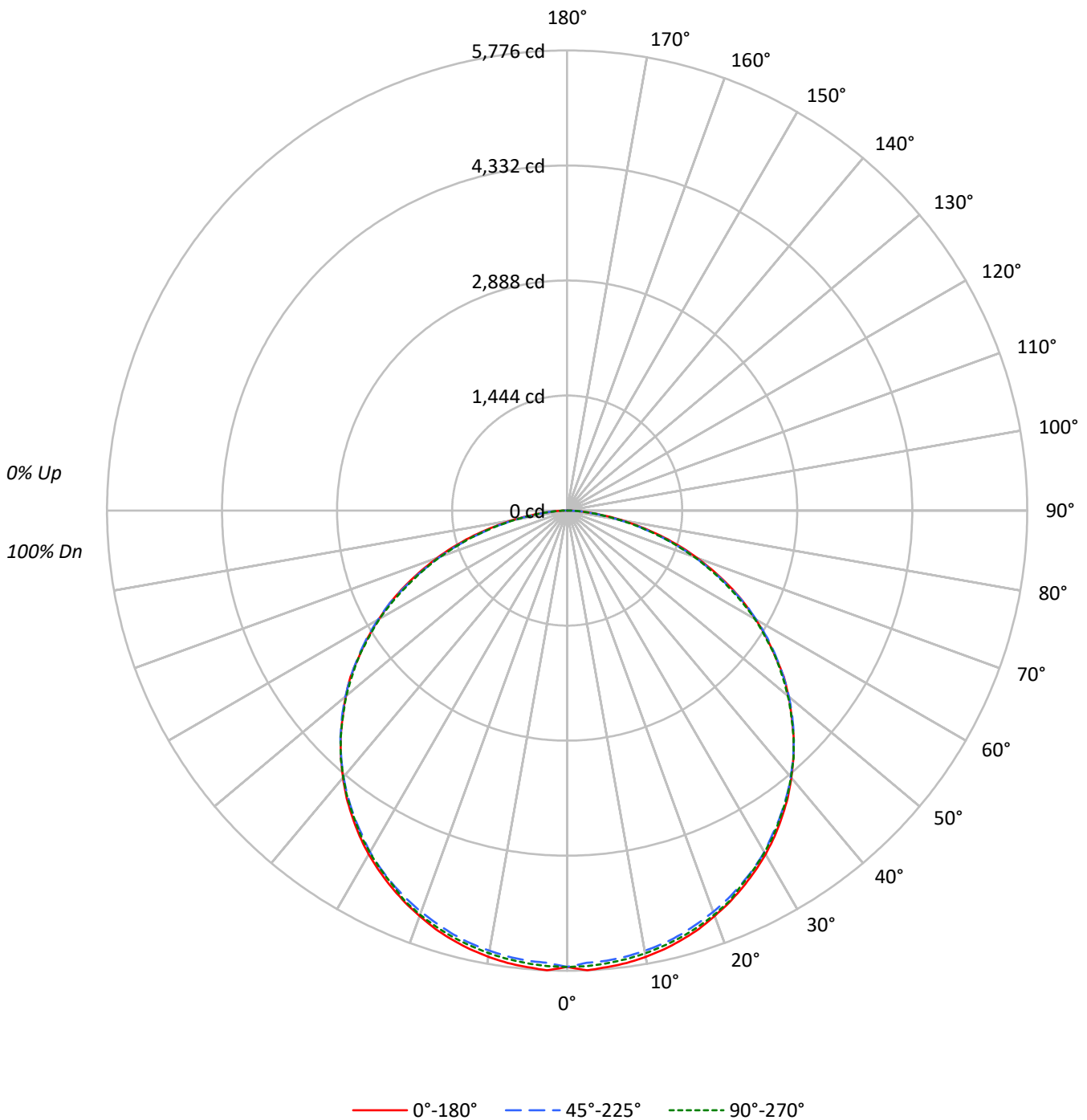
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17145.0 lumens
Efficiency: N/A
Efficacy: 137.8 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	30826	30826	30826
5°	31074	30642	30825
10°	31089	30665	30837
15°	31076	30697	30873
20°	31013	30693	30916
25°	30975	30730	30788
30°	30955	30759	30789
35°	30878	30688	30735
40°	30755	30687	30703
45°	30587	30643	30587
50°	30381	30442	30280
55°	29908	30066	29908
60°	29404	29534	29274
65°	28676	28336	28028
70°	27309	26699	26622
75°	25201	23992	24092
80°	21559	20208	20583
85°	16018	15716	14666



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	543.6	3.2
10°-20°	1566.2	9.1
20°-30°	2397.6	14.0
30°-40°	2933.0	17.1
40°-50°	3102.2	18.1
50°-60°	2858.3	16.7
60°-70°	2199.9	12.8
70°-80°	1236.0	7.2
80°-90°	308.3	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°	4507.3	26.3
0°-40°	7440.3	43.4
0°-60°	13400.8	78.2
0°-90°	17145.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	17145.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5728	5728	5728	5728	5728	
5°	5752	5735	5672	5723	5706	547
15°	5577	5563	5509	5558	5541	1574
25°	5216	5211	5175	5211	5185	2406
35°	4700	4693	4671	4693	4678	2941
45°	4019	4031	4026	4016	4019	3099
55°	3187	3216	3204	3195	3187	2855
65°	2252	2257	2225	2194	2201	2221
75°	1212	1192	1154	1137	1159	1276
85°	259	254	254	247	238	320
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5727.6	5727.6	5727.6	5727.6	5727.6
2.5°	5776.0	5744.5	5681.5	5737.3	5722.7
5°	5751.8	5734.8	5671.8	5722.7	5705.7
7.5°	5727.6	5708.2	5647.6	5703.3	5679.1
10°	5688.8	5671.8	5611.2	5664.5	5642.7
12.5°	5637.9	5623.3	5567.6	5618.5	5596.7
15°	5577.3	5562.7	5509.4	5557.9	5540.9
17.5°	5504.6	5487.6	5436.7	5487.6	5475.5
20°	5414.9	5405.2	5359.1	5405.2	5397.9
22.5°	5322.8	5310.7	5274.3	5308.2	5310.7
25°	5216.1	5211.3	5174.9	5211.3	5184.6
27.5°	5104.6	5104.6	5068.3	5092.5	5075.5
30°	4981.0	4978.6	4949.5	4961.6	4954.4
32.5°	4847.7	4845.3	4806.5	4838.0	4825.9
35°	4699.8	4692.6	4670.8	4692.6	4678.0
37.5°	4547.1	4539.9	4522.9	4535.0	4532.6
40°	4377.5	4377.5	4367.8	4377.5	4370.2
42.5°	4203.0	4210.2	4198.1	4207.8	4207.8
45°	4018.7	4030.9	4026.0	4016.3	4018.7
47.5°	3822.4	3844.2	3832.1	3829.7	3817.6
50°	3628.5	3647.9	3635.8	3623.7	3616.4
52.5°	3427.3	3437.0	3422.5	3417.6	3400.7
55°	3187.4	3216.5	3204.3	3194.6	3187.4
57.5°	2966.8	2988.6	2978.9	2959.5	2947.4
60°	2731.7	2748.6	2743.8	2722.0	2719.6
62.5°	2501.4	2506.3	2501.4	2462.6	2465.1
65°	2251.8	2256.6	2225.1	2193.6	2200.9
67.5°	1990.0	2004.5	1960.9	1914.8	1946.4
70°	1735.5	1730.6	1696.7	1645.8	1691.8
72.5°	1473.7	1468.9	1430.1	1393.7	1425.2
75°	1211.9	1192.5	1153.8	1136.8	1158.6
77.5°	940.5	918.6	901.7	889.6	899.2
80°	695.6	666.6	652.0	642.3	664.1
82.5°	463.0	441.1	433.9	441.1	436.3
85°	259.4	254.5	254.5	247.2	237.5
87.5°	106.6	111.5	113.9	111.5	106.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)