

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: CORELITE

Report Number: P738030

Luminaire Tested: **14PT-80-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2211-846-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 14PT-80-PW1-L950
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

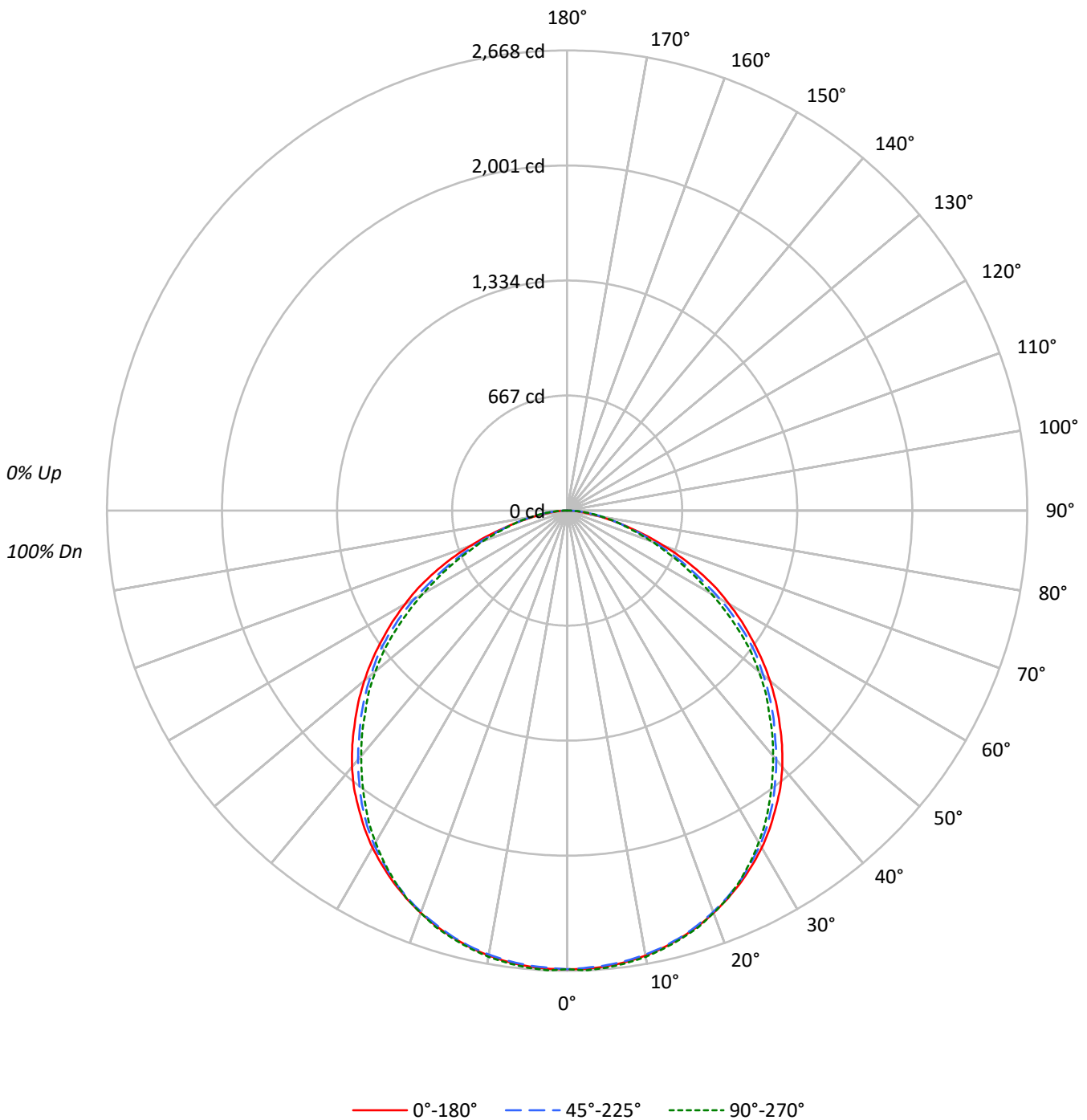
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7058.0 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 71
Input Voltage (V): NR
Input Current (A_{in}): 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	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7974	7974	7974
5°	7981	7963	8004
10°	7977	7959	7998
15°	7952	7940	7971
20°	7920	7901	7920
25°	7876	7843	7837
30°	7816	7747	7693
35°	7711	7596	7498
40°	7594	7386	7270
45°	7383	7165	7019
50°	7161	6926	6766
55°	6861	6629	6366
60°	6506	6121	5802
65°	6019	5467	5194
70°	5217	4760	4578
75°	4167	4075	3960
80°	3165	3539	3539
85°	2339	3017	3017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.2	3.6
10°-20°	723.4	10.2
20°-30°	1093.3	15.5
30°-40°	1298.2	18.4
40°-50°	1308.0	18.5
50°-60°	1130.6	16.0
60°-70°	772.7	10.9
70°-80°	381.0	5.4
80°-90°	98.5	1.4
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°	2069.0	29.3
0°-40°	3367.2	47.7
0°-60°	5805.7	82.3
0°-90°	7058.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7058.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2660	2660	2660	2660	2660	
5°	2652	2653	2646	2657	2660	252
15°	2562	2565	2558	2567	2568	723
25°	2381	2379	2371	2373	2369	1097
35°	2107	2100	2075	2057	2049	1319
45°	1741	1722	1690	1670	1656	1344
55°	1313	1309	1268	1231	1218	1174
65°	848	818	771	737	732	838
75°	360	357	352	352	342	392
85°	68	80	88	90	88	83
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2659.7	2659.7	2659.7	2659.7	2659.7
2.5°	2658.7	2659.7	2652.8	2664.6	2667.6
5°	2651.8	2652.8	2645.9	2656.7	2659.7
7.5°	2639.0	2641.0	2633.1	2643.9	2645.9
10°	2620.3	2621.2	2614.3	2625.2	2627.2
12.5°	2594.6	2595.6	2589.7	2599.6	2599.6
15°	2562.1	2565.1	2558.2	2567.0	2568.0
17.5°	2525.7	2526.6	2519.7	2529.6	2531.6
20°	2482.3	2482.3	2476.4	2484.3	2482.3
22.5°	2434.0	2434.0	2427.1	2431.1	2433.0
25°	2380.8	2378.8	2370.9	2372.9	2369.0
27.5°	2319.7	2319.7	2305.9	2305.9	2299.0
30°	2257.6	2252.7	2237.9	2229.0	2222.1
32.5°	2186.7	2179.8	2161.1	2145.3	2140.4
35°	2106.9	2100.0	2075.3	2056.6	2048.7
37.5°	2030.0	2014.2	1981.7	1963.0	1954.1
40°	1940.3	1920.6	1887.1	1861.5	1857.5
42.5°	1843.7	1828.0	1784.6	1765.9	1761.0
45°	1741.3	1722.5	1690.0	1670.3	1655.5
47.5°	1640.7	1626.9	1589.5	1565.9	1560.9
50°	1535.3	1523.5	1485.0	1459.4	1450.6
52.5°	1425.9	1418.0	1385.5	1353.0	1342.2
55°	1312.6	1308.7	1268.3	1230.8	1218.0
57.5°	1201.2	1196.3	1146.1	1102.7	1090.9
60°	1085.0	1070.2	1020.9	980.5	967.7
62.5°	974.6	943.1	889.8	858.3	843.5
65°	848.5	817.9	770.6	737.1	732.2
67.5°	724.3	687.8	651.4	630.7	614.9
70°	595.2	570.6	543.0	525.2	522.3
72.5°	475.0	457.2	443.4	432.6	423.7
75°	359.7	356.7	351.8	351.8	341.9
77.5°	264.1	271.0	274.9	273.9	275.9
80°	183.3	197.1	205.0	206.0	205.0
82.5°	116.3	132.0	144.9	146.8	148.8
85°	68.0	79.8	87.7	89.7	87.7
87.5°	30.5	38.4	40.4	42.4	40.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)