

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: P738686

Luminaire Tested: **24PT-80-PW1-L950**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738686
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-80-PW1-L950
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

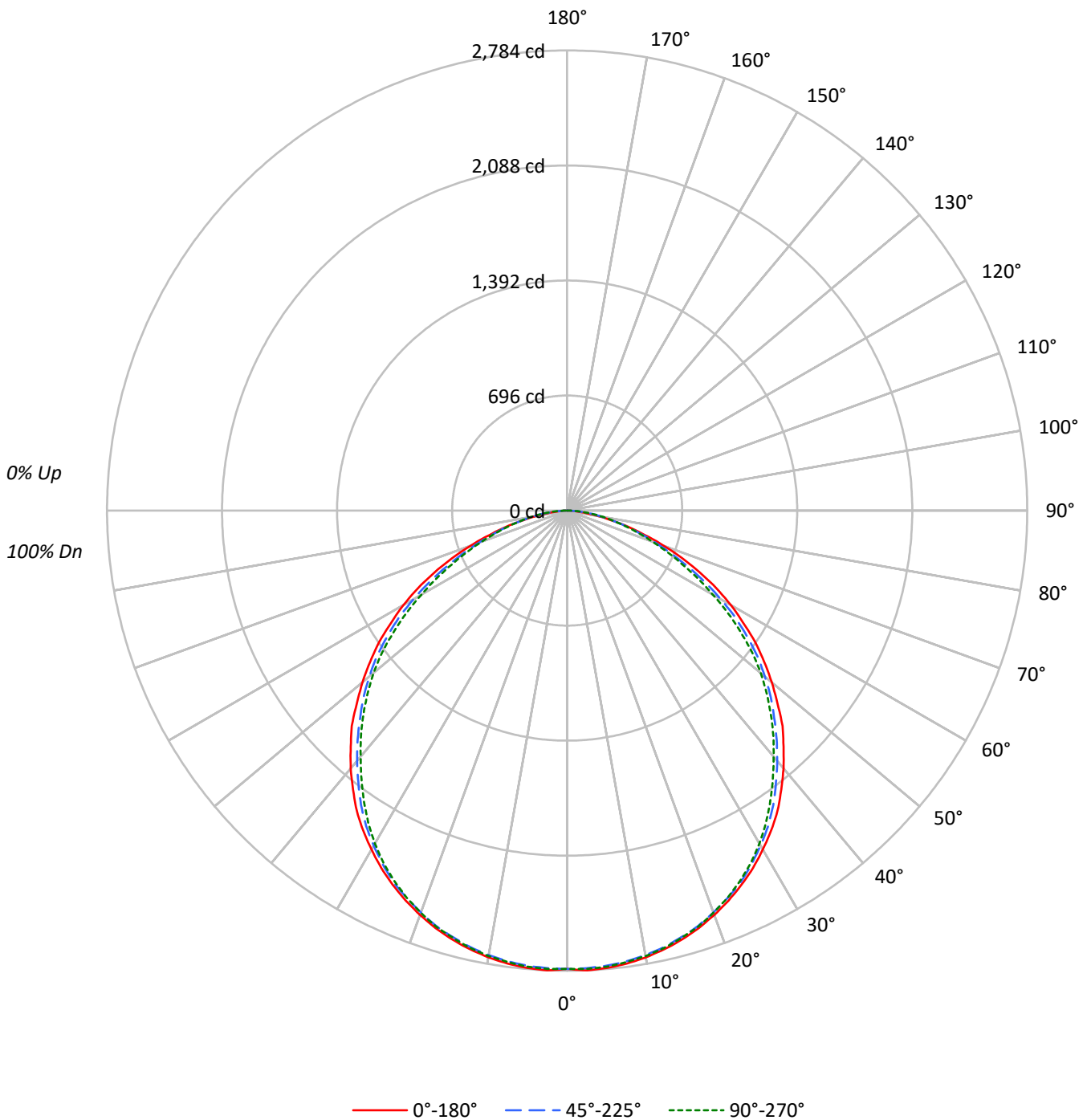
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7394.0 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.24 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 68.3
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	56	68	61	56		66	60	55		64	58	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	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44	38	33	31
9	57	44	36	31	56	44	36	31	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3976	3976	3976
5°	3998	3979	3987
10°	3996	3977	3984
15°	3988	3966	3971
20°	3972	3949	3951
25°	3951	3928	3913
30°	3920	3874	3851
35°	3884	3806	3752
40°	3813	3700	3639
45°	3737	3593	3534
50°	3605	3484	3410
55°	3473	3325	3205
60°	3283	3081	2922
65°	3006	2744	2603
70°	2605	2380	2292
75°	2132	2052	2025
80°	1556	1754	1808
85°	1041	1464	1556



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.0	3.6
10°-20°	755.0	10.2
20°-30°	1142.7	15.5
30°-40°	1359.7	18.4
40°-50°	1373.4	18.6
50°-60°	1188.4	16.1
60°-70°	811.8	11.0
70°-80°	400.1	5.4
80°-90°	100.0	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°	2160.7	29.2
0°-40°	3520.4	47.6
0°-60°	6082.1	82.3
0°-90°	7394.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7394.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2773	2773	2773	2773	2773	
5°	2778	2767	2764	2762	2770	264
15°	2686	2678	2672	2670	2675	758
25°	2497	2488	2483	2473	2473	1151
35°	2219	2201	2174	2150	2144	1385
45°	1843	1812	1772	1752	1743	1415
55°	1389	1370	1330	1302	1282	1237
65°	886	852	809	782	767	875
75°	385	374	370	368	366	411
85°	63	79	89	92	95	81
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2773.0	2773.0	2773.0	2773.0	2773.0
2.5°	2784.3	2773.8	2770.6	2768.2	2775.4
5°	2777.8	2767.4	2764.2	2761.8	2769.8
7.5°	2764.2	2753.8	2750.6	2748.2	2754.6
10°	2744.2	2734.6	2731.3	2728.9	2736.2
12.5°	2718.5	2709.7	2705.7	2702.5	2710.5
15°	2686.5	2677.6	2672.0	2670.4	2675.2
17.5°	2648.0	2639.2	2635.1	2632.7	2638.4
20°	2603.1	2593.5	2587.8	2584.6	2589.4
22.5°	2553.4	2543.8	2536.5	2533.3	2534.9
25°	2497.3	2487.6	2482.8	2473.2	2473.2
27.5°	2437.1	2425.9	2413.9	2403.5	2404.3
30°	2367.4	2354.6	2340.1	2326.5	2325.7
32.5°	2296.8	2280.8	2263.2	2244.7	2239.1
35°	2219.1	2200.6	2174.2	2150.1	2143.7
37.5°	2127.7	2110.8	2075.6	2055.5	2045.1
40°	2037.1	2013.0	1977.0	1953.7	1944.1
42.5°	1937.7	1914.4	1875.9	1854.3	1846.3
45°	1843.1	1811.8	1771.7	1751.7	1742.9
47.5°	1725.2	1699.6	1671.5	1648.3	1637.0
50°	1616.2	1595.4	1561.7	1536.0	1528.8
52.5°	1502.4	1484.7	1452.7	1419.0	1411.0
55°	1389.3	1370.1	1330.0	1301.9	1281.9
57.5°	1261.9	1245.0	1207.3	1171.3	1153.6
60°	1144.8	1115.9	1074.3	1035.0	1018.9
62.5°	1017.3	989.3	941.2	901.1	892.3
65°	885.9	852.2	808.9	782.4	767.2
67.5°	752.8	719.9	683.8	667.0	657.4
70°	621.3	594.9	567.6	555.6	546.8
72.5°	494.6	479.4	464.2	459.4	451.3
75°	384.8	373.6	370.4	368.0	365.6
77.5°	277.4	283.0	286.2	289.4	286.2
80°	188.4	200.4	212.4	218.9	218.9
82.5°	116.2	137.1	147.5	153.9	153.1
85°	63.3	78.6	89.0	92.2	94.6
87.5°	25.7	32.1	36.1	39.3	40.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)