

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: P738669

Luminaire Tested: **24PT-80-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

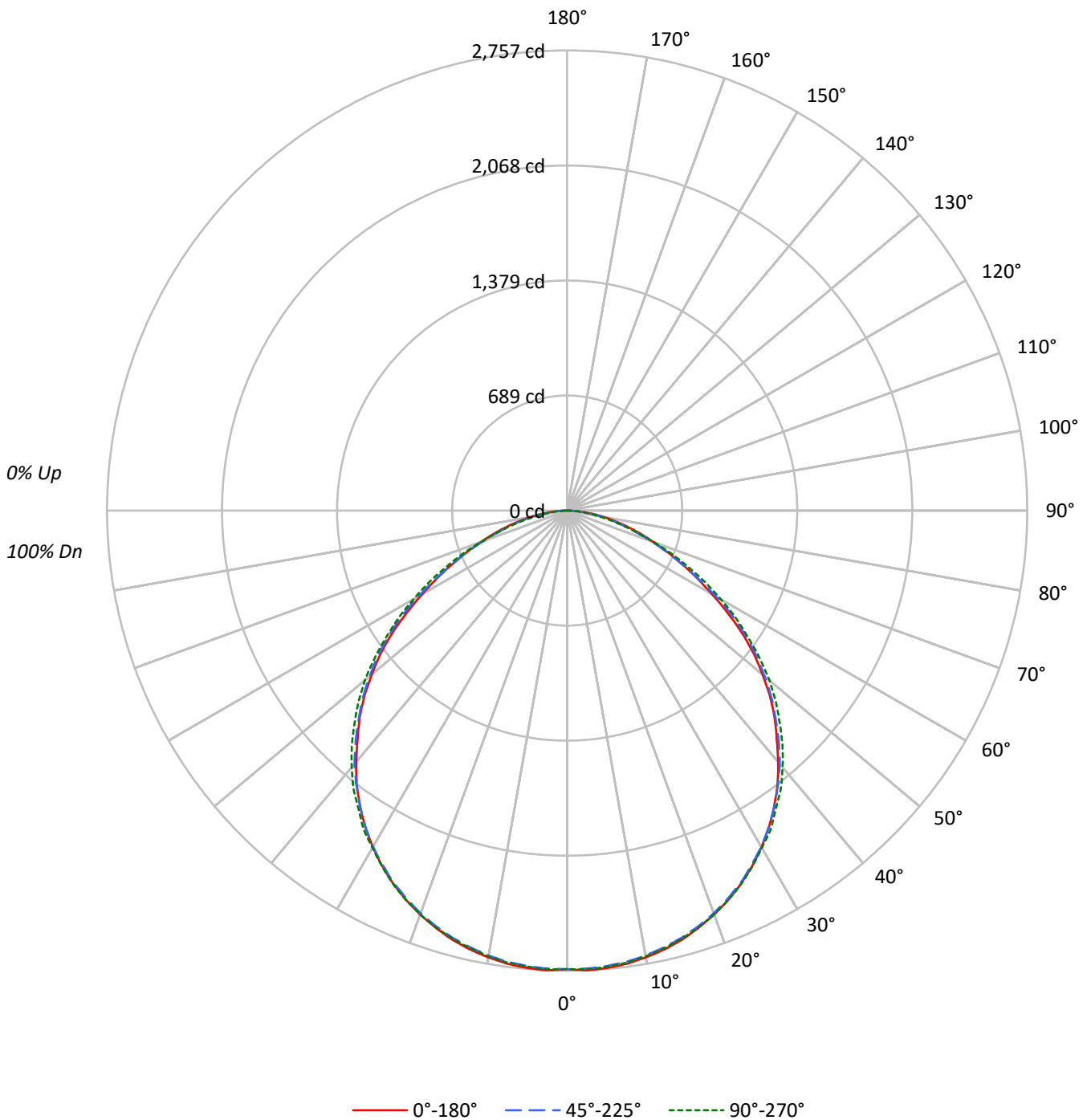
Test Method: LM-79-08  
Report Number: P738669  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-80-PL1-L940  
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7273.0 lumens  
Efficiency: N/A  
Efficacy: 106.5 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.26 / 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 (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	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49		60	53	48		58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3940	3940	3940
5°	3959	3942	3948
10°	3957	3941	3948
15°	3950	3933	3942
20°	3930	3918	3928
25°	3901	3892	3905
30°	3855	3850	3863
35°	3785	3787	3816
40°	3681	3709	3759
45°	3567	3583	3653
50°	3407	3446	3529
55°	3199	3258	3307
60°	2872	2942	3051
65°	2570	2575	2715
70°	2291	2228	2308
75°	2070	1947	1912
80°	1839	1715	1513
85°	1507	1430	1183



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	260.6	3.6
10°-20°	748.4	10.3
20°-30°	1133.8	15.6
30°-40°	1355.0	18.6
40°-50°	1366.8	18.8
50°-60°	1159.6	15.9
60°-70°	767.3	10.5
70°-80°	380.8	5.2
80°-90°	100.7	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°	2142.8	29.5
0°-40°	3497.8	48.1
0°-60°	6024.2	82.8
0°-90°	7273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7273.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2748	2748	2748	2748	2748	
5°	2751	2741	2739	2737	2743	262
15°	2661	2652	2650	2650	2655	751
25°	2466	2460	2460	2459	2468	1136
35°	2162	2159	2163	2175	2180	1351
45°	1759	1756	1767	1790	1802	1353
55°	1280	1283	1303	1315	1323	1138
65°	757	756	759	783	800	756
75°	374	363	352	340	345	400
85°	92	92	87	80	72	109
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2747.7	2747.7	2747.7	2747.7	2747.7
2.5°	2757.2	2748.5	2746.1	2744.6	2750.9
5°	2750.9	2741.4	2739.0	2737.4	2743.0
7.5°	2738.2	2728.0	2726.4	2724.8	2731.9
10°	2717.7	2708.2	2706.6	2705.1	2711.4
12.5°	2693.2	2683.7	2680.6	2681.4	2685.3
15°	2660.8	2652.1	2649.8	2649.8	2655.3
17.5°	2620.6	2612.7	2611.1	2610.3	2617.4
20°	2575.5	2567.6	2567.6	2570.0	2574.0
22.5°	2524.2	2518.7	2515.5	2517.1	2525.0
25°	2465.8	2460.2	2460.2	2459.4	2468.1
27.5°	2401.0	2393.9	2393.9	2400.2	2403.4
30°	2328.3	2322.0	2325.2	2329.9	2333.1
32.5°	2250.1	2246.2	2248.6	2255.7	2268.3
35°	2162.5	2159.3	2163.3	2175.1	2179.8
37.5°	2070.9	2068.5	2074.0	2089.8	2103.2
40°	1966.6	1966.6	1981.6	1995.8	2008.5
42.5°	1858.4	1865.5	1876.6	1898.7	1909.7
45°	1758.9	1756.5	1766.8	1790.5	1801.5
47.5°	1648.3	1645.9	1660.9	1677.5	1695.7
50°	1527.5	1526.7	1544.8	1559.1	1582.0
52.5°	1409.8	1416.9	1428.7	1441.4	1454.8
55°	1279.5	1282.6	1303.2	1315.0	1322.9
57.5°	1138.9	1149.2	1174.4	1191.8	1198.9
60°	1001.5	1007.8	1025.9	1056.8	1063.9
62.5°	876.7	879.0	890.1	924.9	934.3
65°	757.4	755.8	759.0	782.7	800.1
67.5°	649.2	642.9	642.9	655.5	676.9
70°	546.5	537.1	531.5	535.5	550.5
72.5°	460.5	447.8	433.6	431.2	440.7
75°	373.6	363.3	351.5	340.4	345.1
77.5°	297.8	289.1	278.0	265.4	259.1
80°	222.7	219.6	207.7	195.9	183.2
82.5°	155.6	153.2	145.3	135.8	127.9
85°	91.6	91.6	86.9	79.8	71.9
87.5°	41.1	39.5	41.1	34.8	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)