

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: P738702

Luminaire Tested: **24PT-90-PL1-L950**

Issue Date: 2/8/2024



**Test Information**

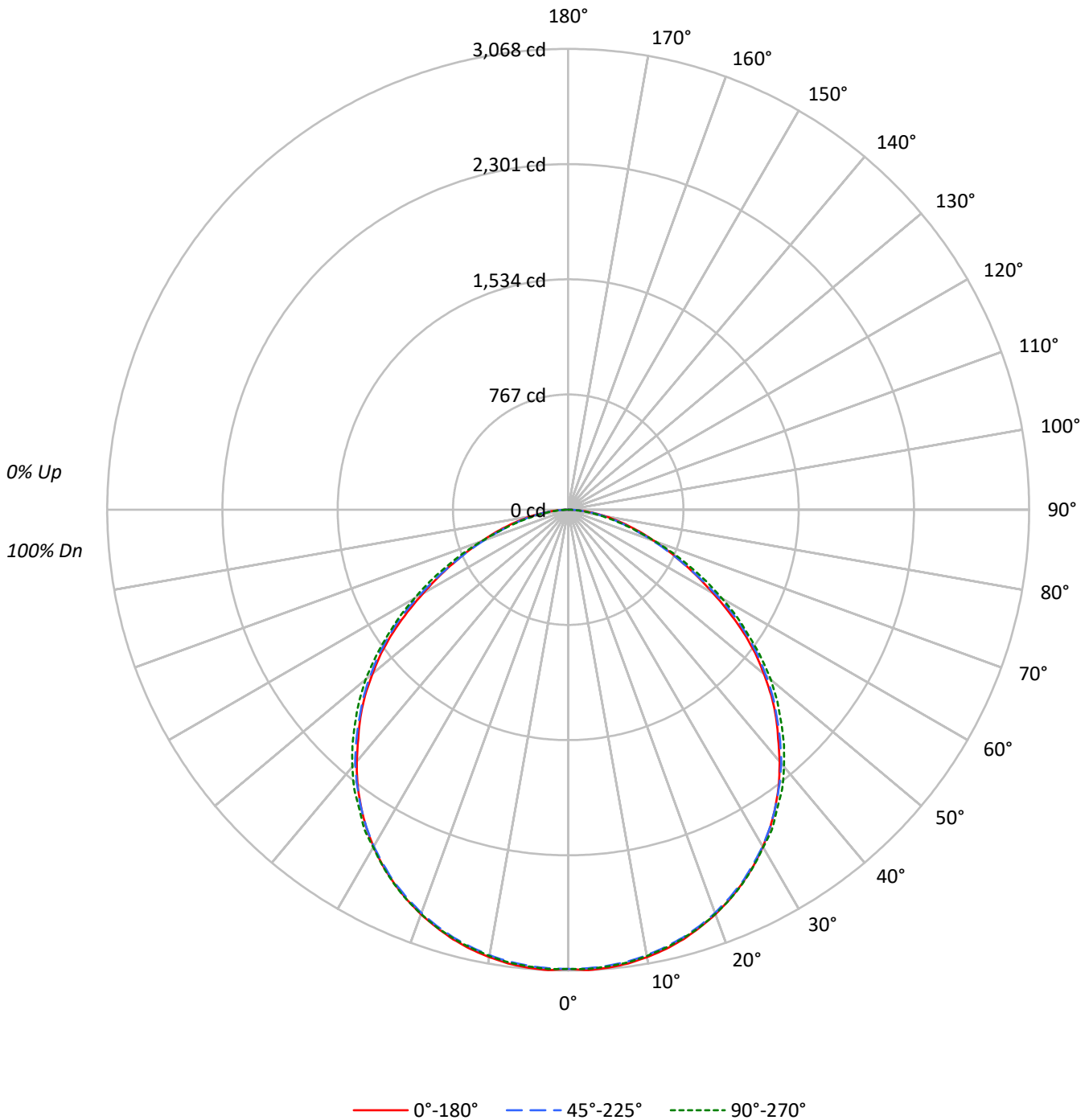
Test Method: LM-79-08  
Report Number: P738702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-90-PL1-L950  
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8093.0 lumens  
Efficiency: N/A  
Efficacy: 106.9 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): 75.7  
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

TEST NUMBER: P738702  
CATALOG NUMBER: 24PT-90-PL1-L950

### Luminous Intensity Polar Plot





TEST NUMBER: P738702

CATALOG NUMBER: 24PT-90-PL1-L950

**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°	4384	4384	4384
5°	4406	4387	4393
10°	4403	4385	4393
15°	4395	4377	4386
20°	4373	4360	4370
25°	4341	4331	4345
30°	4290	4284	4298
35°	4212	4214	4246
40°	4096	4127	4183
45°	3969	3987	4065
50°	3792	3835	3927
55°	3559	3625	3680
60°	3196	3274	3395
65°	2859	2866	3021
70°	2550	2480	2568
75°	2303	2167	2128
80°	2046	1908	1684
85°	1676	1591	1316



TEST NUMBER: P738702

CATALOG NUMBER: 24PT-90-PL1-L950

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	290.0	3.6
10°-20°	832.8	10.3
20°-30°	1261.6	15.6
30°-40°	1507.7	18.6
40°-50°	1520.9	18.8
50°-60°	1290.4	15.9
60°-70°	853.8	10.5
70°-80°	423.7	5.2
80°-90°	112.1	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°	2384.4	29.5
0°-40°	3892.1	48.1
0°-60°	6703.4	82.8
0°-90°	8093.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8093.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3058	3058	3058	3058	3058	
5°	3061	3050	3048	3046	3052	291
15°	2961	2951	2948	2948	2955	835
25°	2744	2738	2738	2737	2746	1264
35°	2406	2403	2407	2420	2426	1503
45°	1957	1955	1966	1992	2005	1506
55°	1424	1427	1450	1463	1472	1266
65°	843	841	845	871	890	841
75°	416	404	391	379	384	445
85°	102	102	97	89	80	121
90°	0	0	0	0	0	



TEST NUMBER: P738702

CATALOG NUMBER: 24PT-90-PL1-L950

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3057.5	3057.5	3057.5	3057.5	3057.5
2.5°	3068.0	3058.4	3055.7	3054.0	3061.0
5°	3061.0	3050.5	3047.8	3046.1	3052.2
7.5°	3047.0	3035.5	3033.8	3032.0	3039.9
10°	3024.1	3013.6	3011.8	3010.0	3017.1
12.5°	2996.9	2986.3	2982.8	2983.7	2988.1
15°	2960.8	2951.2	2948.5	2948.5	2954.7
17.5°	2916.0	2907.2	2905.5	2904.6	2912.5
20°	2865.9	2857.1	2857.1	2859.8	2864.2
22.5°	2808.8	2802.6	2799.1	2800.9	2809.7
25°	2743.8	2737.6	2737.6	2736.7	2746.4
27.5°	2671.7	2663.8	2663.8	2670.8	2674.3
30°	2590.8	2583.8	2587.3	2592.6	2596.1
32.5°	2503.8	2499.4	2502.1	2510.0	2524.0
35°	2406.3	2402.8	2407.2	2420.3	2425.6
37.5°	2304.3	2301.7	2307.8	2325.4	2340.4
40°	2188.3	2188.3	2205.0	2220.8	2234.9
42.5°	2067.9	2075.8	2088.1	2112.7	2125.0
45°	1957.2	1954.6	1966.0	1992.3	2004.6
47.5°	1834.1	1831.5	1848.2	1866.7	1886.9
50°	1699.7	1698.8	1719.0	1734.8	1760.3
52.5°	1568.7	1576.6	1589.8	1603.9	1618.8
55°	1423.7	1427.2	1450.1	1463.3	1472.1
57.5°	1267.3	1278.7	1306.8	1326.2	1334.1
60°	1114.4	1121.4	1141.6	1175.9	1183.8
62.5°	975.5	978.2	990.5	1029.1	1039.7
65°	842.8	841.1	844.6	870.9	890.3
67.5°	722.4	715.4	715.4	729.4	753.2
70°	608.2	597.6	591.5	595.9	612.6
72.5°	512.4	498.3	482.5	479.8	490.4
75°	415.7	404.3	391.1	378.8	384.1
77.5°	331.3	321.7	309.4	295.3	288.3
80°	247.8	244.3	231.1	218.0	203.9
82.5°	173.1	170.5	161.7	151.2	142.4
85°	101.9	101.9	96.7	88.8	80.0
87.5°	45.7	43.9	45.7	38.7	36.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)