

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: P738717

Luminaire Tested: **24PT-90-PW1-L940**

Issue Date: 2/8/2024



**Test Information**

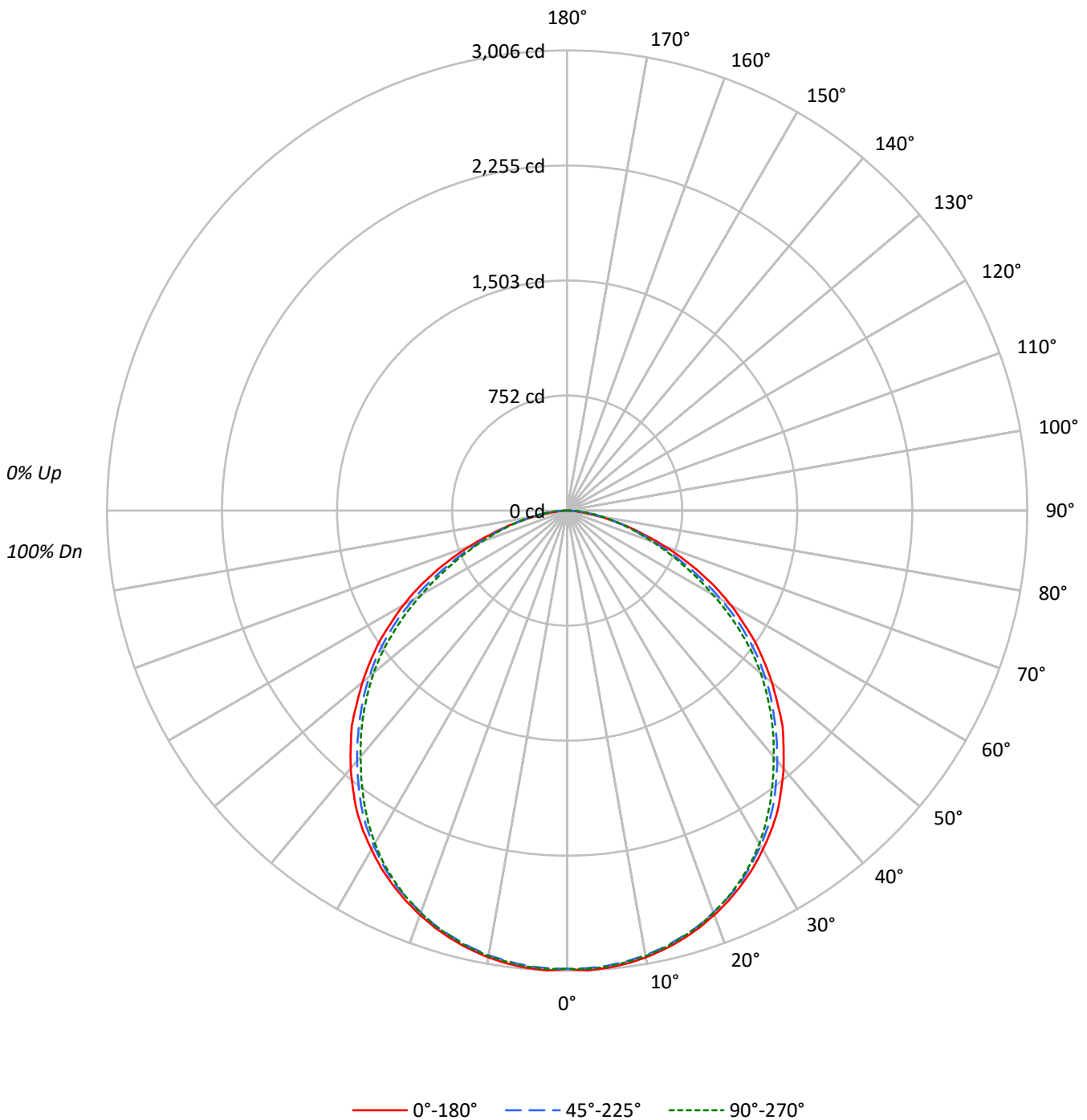
Test Method: LM-79-08  
Report Number: P738717  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-13)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-90-PW1-L940  
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7984.0 lumens  
Efficiency: N/A  
Efficacy: 105.5 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): 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

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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°	4293	4293	4293
5°	4317	4296	4305
10°	4314	4294	4302
15°	4306	4283	4288
20°	4289	4264	4267
25°	4266	4241	4225
30°	4232	4184	4158
35°	4194	4109	4052
40°	4117	3996	3929
45°	4035	3879	3816
50°	3893	3762	3682
55°	3750	3590	3460
60°	3545	3327	3155
65°	3246	2963	2811
70°	2813	2569	2475
75°	2302	2215	2187
80°	1680	1894	1951
85°	1125	1581	1680



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	284.0	3.6
10°-20°	815.3	10.2
20°-30°	1233.9	15.5
30°-40°	1468.1	18.4
40°-50°	1483.0	18.6
50°-60°	1283.2	16.1
60°-70°	876.6	11.0
70°-80°	432.0	5.4
80°-90°	108.0	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°	2333.1	29.2
0°-40°	3801.3	47.6
0°-60°	6567.5	82.3
0°-90°	7984.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7984.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2994	2994	2994	2994	2994	
5°	3000	2988	2985	2982	2991	285
15°	2901	2891	2885	2884	2889	819
25°	2696	2686	2681	2671	2671	1243
35°	2396	2376	2348	2322	2315	1496
45°	1990	1956	1913	1892	1882	1528
55°	1500	1479	1436	1406	1384	1336
65°	957	920	873	845	828	945
75°	416	403	400	397	395	444
85°	68	85	96	100	102	88
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2994.3	2994.3	2994.3	2994.3	2994.3
2.5°	3006.4	2995.2	2991.7	2989.1	2996.9
5°	2999.5	2988.2	2984.8	2982.2	2990.8
7.5°	2984.8	2973.5	2970.1	2967.5	2974.4
10°	2963.1	2952.8	2949.3	2946.7	2954.5
12.5°	2935.4	2925.9	2921.6	2918.1	2926.8
15°	2900.8	2891.3	2885.2	2883.5	2888.7
17.5°	2859.3	2849.7	2845.4	2842.8	2848.9
20°	2810.8	2800.4	2794.3	2790.9	2796.1
22.5°	2757.1	2746.7	2738.9	2735.5	2737.2
25°	2696.5	2686.1	2680.9	2670.6	2670.6
27.5°	2631.6	2619.5	2606.5	2595.2	2596.1
30°	2556.3	2542.4	2526.9	2512.1	2511.3
32.5°	2480.1	2462.8	2443.8	2423.8	2417.8
35°	2396.1	2376.2	2347.7	2321.7	2314.8
37.5°	2297.5	2279.3	2241.2	2219.5	2208.3
40°	2199.6	2173.7	2134.7	2109.6	2099.2
42.5°	2092.3	2067.2	2025.6	2002.3	1993.6
45°	1990.1	1956.4	1913.1	1891.5	1881.9
47.5°	1862.9	1835.2	1804.9	1779.8	1767.7
50°	1745.2	1722.7	1686.3	1658.6	1650.8
52.5°	1622.2	1603.2	1568.6	1532.2	1523.6
55°	1500.2	1479.4	1436.1	1405.8	1384.2
57.5°	1362.5	1344.4	1303.7	1264.7	1245.7
60°	1236.2	1205.0	1160.0	1117.6	1100.3
62.5°	1098.5	1068.2	1016.3	973.0	963.5
65°	956.6	920.2	873.4	844.9	828.4
67.5°	812.9	777.4	738.4	720.2	709.8
70°	670.9	642.3	612.9	599.9	590.4
72.5°	534.1	517.7	501.2	496.0	487.4
75°	415.5	403.4	399.9	397.3	394.7
77.5°	299.5	305.6	309.0	312.5	309.0
80°	203.4	216.4	229.4	236.3	236.3
82.5°	125.5	148.0	159.3	166.2	165.3
85°	68.4	84.8	96.1	99.6	102.1
87.5°	27.7	34.6	39.0	42.4	44.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)