

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: P738701

Luminaire Tested: **24PT-90-PL1-L940**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738701  
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-L940  
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -  
Ballast/Driver: -

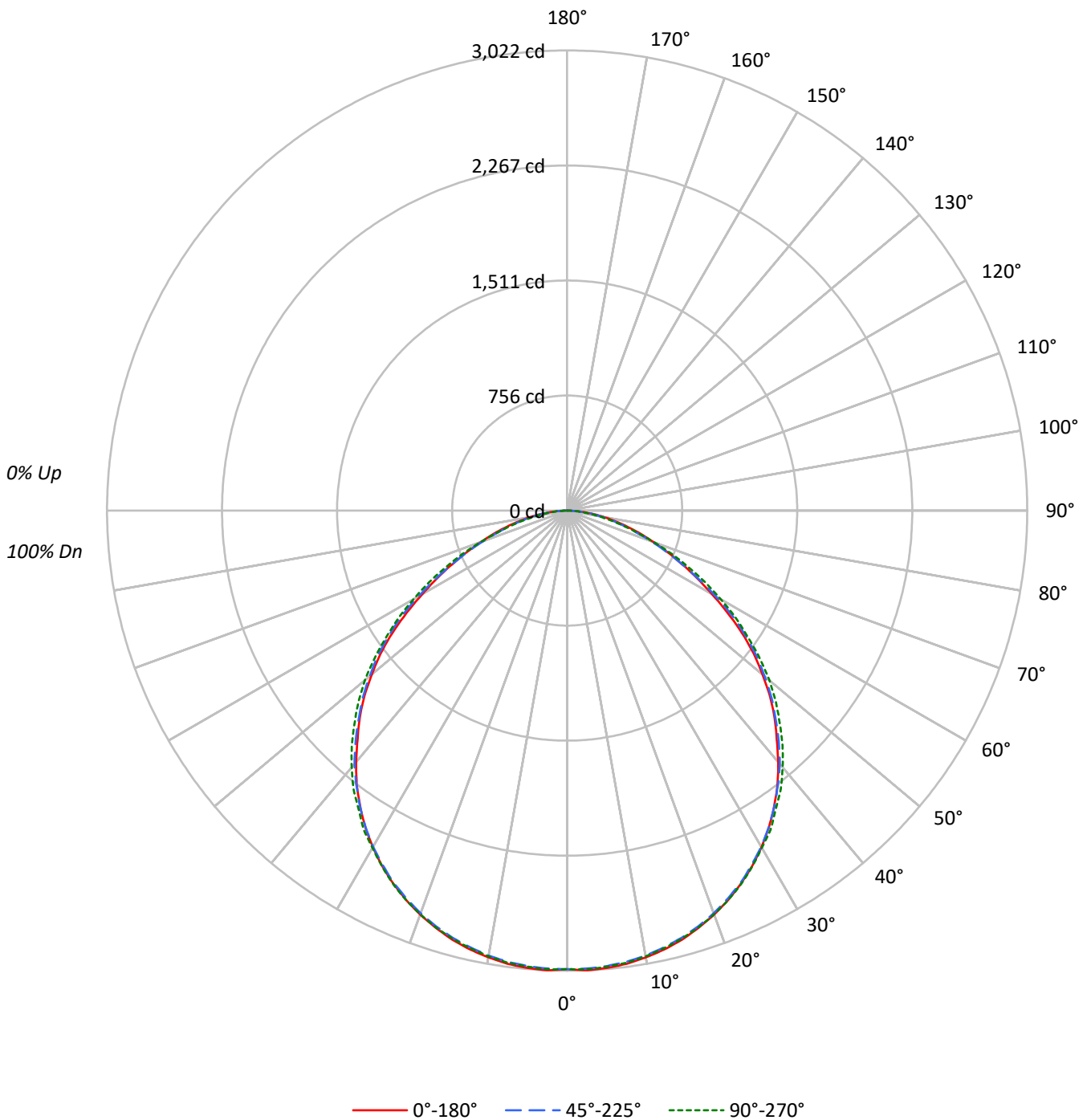
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7972.0 lumens  
Efficiency: N/A  
Efficacy: 105.3 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 (A<sub>in</sub>): 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°	4319	4319	4319
5°	4340	4321	4328
10°	4337	4320	4327
15°	4330	4311	4320
20°	4308	4294	4305
25°	4276	4266	4280
30°	4225	4220	4234
35°	4149	4151	4182
40°	4035	4066	4121
45°	3909	3927	4004
50°	3735	3777	3868
55°	3506	3571	3625
60°	3148	3225	3344
65°	2817	2822	2975
70°	2512	2442	2530
75°	2269	2134	2096
80°	2016	1880	1658
85°	1652	1566	1296



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.7	3.6
10°-20°	820.3	10.3
20°-30°	1242.8	15.6
30°-40°	1485.2	18.6
40°-50°	1498.2	18.8
50°-60°	1271.1	15.9
60°-70°	841.0	10.5
70°-80°	417.4	5.2
80°-90°	110.4	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°	2348.8	29.5
0°-40°	3834.0	48.1
0°-60°	6603.2	82.8
0°-90°	7972.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7972.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3012	3012	3012	3012	3012	
5°	3015	3005	3002	3000	3007	287
15°	2917	2907	2904	2904	2910	823
25°	2703	2697	2697	2696	2705	1245
35°	2370	2367	2371	2384	2389	1481
45°	1928	1925	1937	1963	1975	1483
55°	1402	1406	1428	1441	1450	1247
65°	830	828	832	858	877	828
75°	410	398	385	373	378	438
85°	100	100	95	87	79	119
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3011.8	3011.8	3011.8	3011.8	3011.8
2.5°	3022.2	3012.7	3010.1	3008.3	3015.3
5°	3015.3	3004.9	3002.3	3000.5	3006.6
7.5°	3001.4	2990.1	2988.4	2986.7	2994.5
10°	2978.9	2968.5	2966.8	2965.0	2972.0
12.5°	2952.1	2941.7	2938.2	2939.1	2943.4
15°	2916.6	2907.0	2904.4	2904.4	2910.5
17.5°	2872.4	2863.8	2862.0	2861.2	2868.9
20°	2823.1	2814.4	2814.4	2817.0	2821.3
22.5°	2766.8	2760.7	2757.3	2759.0	2767.7
25°	2702.7	2696.7	2696.7	2695.8	2705.3
27.5°	2631.7	2624.0	2624.0	2630.9	2634.3
30°	2552.1	2545.2	2548.6	2553.8	2557.3
32.5°	2466.4	2462.1	2464.7	2472.5	2486.3
35°	2370.3	2366.8	2371.2	2384.2	2389.3
37.5°	2269.9	2267.3	2273.3	2290.7	2305.4
40°	2155.6	2155.6	2172.1	2187.6	2201.5
42.5°	2037.0	2044.8	2056.9	2081.2	2093.3
45°	1927.9	1925.3	1936.6	1962.6	1974.7
47.5°	1806.7	1804.1	1820.6	1838.8	1858.7
50°	1674.3	1673.4	1693.3	1708.9	1734.0
52.5°	1545.3	1553.1	1566.1	1579.9	1594.6
55°	1402.4	1405.9	1428.4	1441.4	1450.1
57.5°	1248.3	1259.6	1287.3	1306.3	1314.1
60°	1097.7	1104.6	1124.6	1158.3	1166.1
62.5°	960.9	963.5	975.6	1013.7	1024.1
65°	830.2	828.5	831.9	857.9	877.0
67.5°	711.6	704.7	704.7	718.5	741.9
70°	599.1	588.7	582.6	586.9	603.4
72.5°	504.7	490.9	475.3	472.7	483.1
75°	409.5	398.2	385.2	373.1	378.3
77.5°	326.4	316.8	304.7	290.9	284.0
80°	244.1	240.7	227.7	214.7	200.8
82.5°	170.5	167.9	159.3	148.9	140.2
85°	100.4	100.4	95.2	87.4	78.8
87.5°	45.0	43.3	45.0	38.1	35.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)