

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: P738638

Luminaire Tested: **24PT-72-PL1-L950**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738638  
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-72-PL1-L950  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND LEAVES LENS

Light Source: -  
Ballast/Driver: -

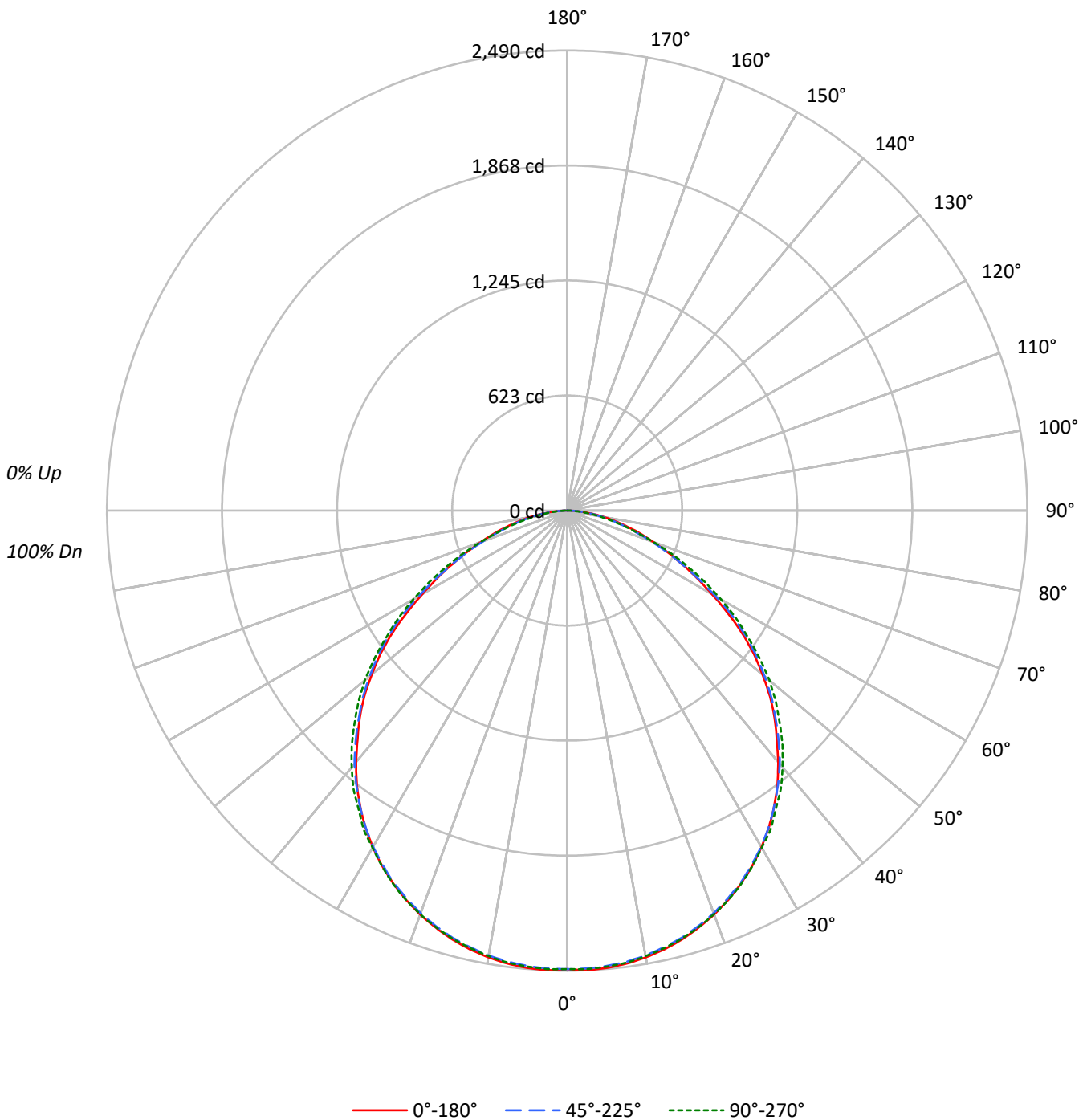
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6568.0 lumens  
Efficiency: N/A  
Efficacy: 109.3 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): 60.1  
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°	3558	3558	3558
5°	3576	3560	3565
10°	3573	3559	3565
15°	3567	3552	3560
20°	3549	3538	3547
25°	3523	3515	3526
30°	3481	3477	3488
35°	3418	3420	3446
40°	3324	3350	3395
45°	3221	3235	3299
50°	3077	3112	3187
55°	2888	2942	2987
60°	2594	2657	2755
65°	2321	2325	2451
70°	2069	2012	2084
75°	1869	1758	1727
80°	1661	1549	1367
85°	1361	1291	1068



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	235.4	3.6
10°-20°	675.8	10.3
20°-30°	1023.9	15.6
30°-40°	1223.6	18.6
40°-50°	1234.3	18.8
50°-60°	1047.2	15.9
60°-70°	692.9	10.5
70°-80°	343.8	5.2
80°-90°	91.0	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°	1935.1	29.5
0°-40°	3158.7	48.1
0°-60°	5440.3	82.8
0°-90°	6568.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6568.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2481	2481	2481	2481	2481	
5°	2484	2476	2474	2472	2477	236
15°	2403	2395	2393	2393	2398	678
25°	2227	2222	2222	2221	2229	1026
35°	1953	1950	1954	1964	1968	1220
45°	1588	1586	1596	1617	1627	1222
55°	1155	1158	1177	1188	1195	1027
65°	684	683	685	707	722	683
75°	337	328	317	307	312	361
85°	83	83	78	72	65	98
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2481.4	2481.4	2481.4	2481.4	2481.4
2.5°	2489.9	2482.1	2479.9	2478.5	2484.2
5°	2484.2	2475.7	2473.5	2472.1	2477.1
7.5°	2472.8	2463.5	2462.1	2460.7	2467.1
10°	2454.3	2445.7	2444.3	2442.8	2448.6
12.5°	2432.1	2423.6	2420.7	2421.5	2425.0
15°	2402.9	2395.1	2392.9	2392.9	2397.9
17.5°	2366.5	2359.4	2358.0	2357.3	2363.7
20°	2325.9	2318.7	2318.7	2320.9	2324.5
22.5°	2279.5	2274.5	2271.7	2273.1	2280.2
25°	2226.7	2221.7	2221.7	2221.0	2228.9
27.5°	2168.3	2161.8	2161.8	2167.5	2170.4
30°	2102.6	2096.9	2099.8	2104.1	2106.9
32.5°	2032.0	2028.5	2030.6	2037.0	2048.4
35°	1952.9	1950.0	1953.6	1964.3	1968.5
37.5°	1870.1	1868.0	1873.0	1887.2	1899.4
40°	1776.0	1776.0	1789.5	1802.4	1813.8
42.5°	1678.3	1684.7	1694.7	1714.6	1724.6
45°	1588.4	1586.2	1595.5	1616.9	1626.9
47.5°	1488.5	1486.4	1499.9	1514.9	1531.3
50°	1379.4	1378.7	1395.1	1407.9	1428.6
52.5°	1273.1	1279.6	1290.3	1301.7	1313.8
55°	1155.4	1158.3	1176.8	1187.5	1194.7
57.5°	1028.5	1037.8	1060.6	1076.3	1082.7
60°	904.4	910.1	926.5	954.3	960.7
62.5°	791.7	793.8	803.8	835.2	843.8
65°	684.0	682.6	685.4	706.8	722.5
67.5°	586.3	580.6	580.6	592.0	611.2
70°	493.6	485.0	480.0	483.6	497.1
72.5°	415.8	404.4	391.6	389.4	398.0
75°	337.4	328.1	317.4	307.4	311.7
77.5°	268.9	261.0	251.1	239.6	233.9
80°	201.1	198.3	187.6	176.9	165.5
82.5°	140.5	138.4	131.2	122.7	115.5
85°	82.7	82.7	78.5	72.0	64.9
87.5°	37.1	35.7	37.1	31.4	29.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)