

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: P738645

Luminaire Tested: **24PT-72-PR1-L940**

Issue Date: 2/8/2024



**Test Information**

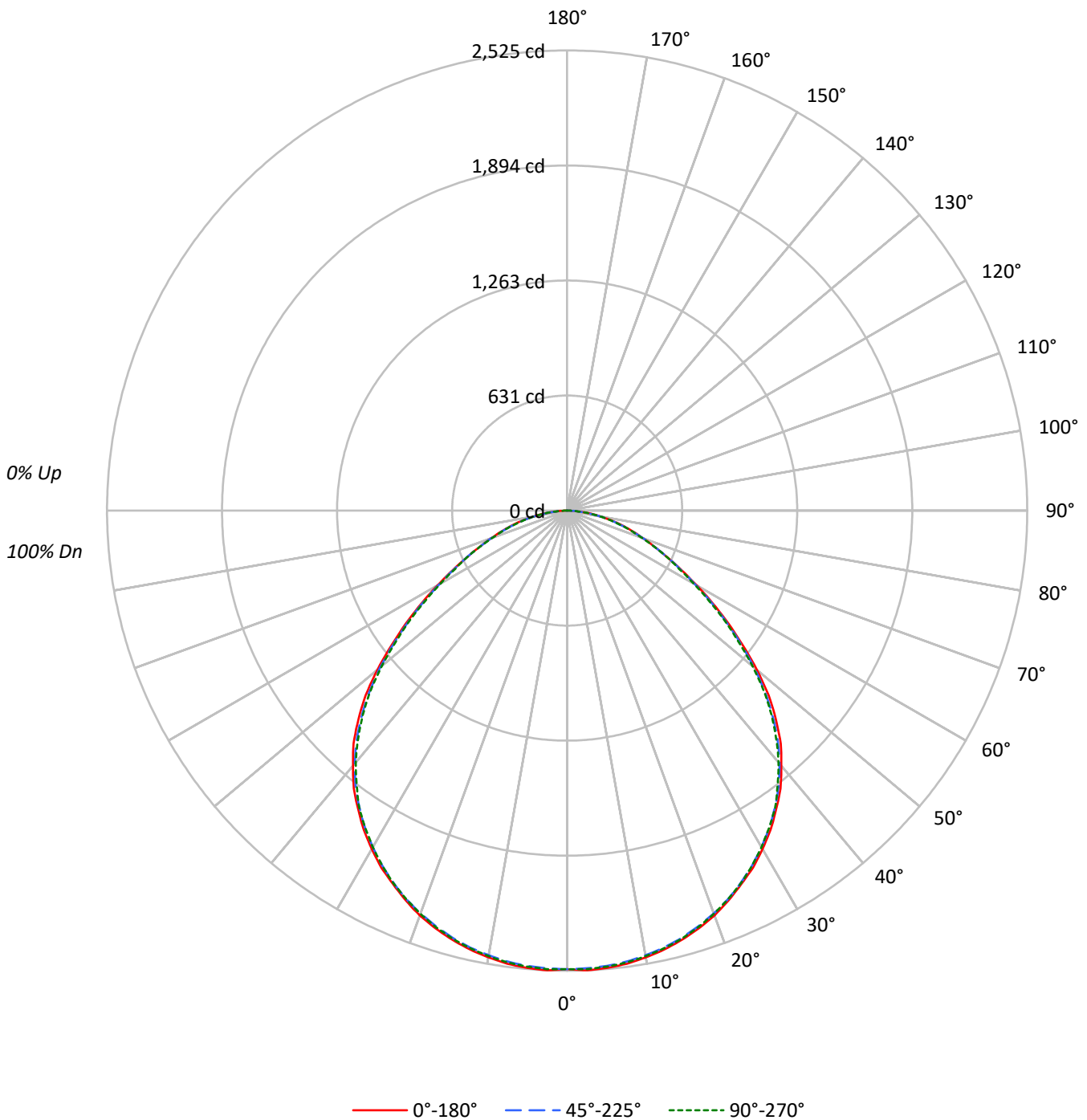
Test Method: LM-79-08  
Report Number: P738645  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-72-PR1-L940  
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6409.0 lumens  
Efficiency: N/A  
Efficacy: 106.6 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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	70	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	56	53
5	78	66	57	51	76	64	56	50	62	55	50	60	54	49	59	53	49	47
6	72	59	51	44	70	58	50	44	57	49	44	55	48	43	53	48	43	41
7	67	54	45	39	65	53	45	39	52	44	39	50	44	39	49	43	38	36
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27

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

	0°	45°	90°
0°	3608	3608	3608
5°	3625	3610	3616
10°	3624	3607	3615
15°	3619	3603	3609
20°	3607	3589	3592
25°	3578	3567	3569
30°	3550	3530	3530
35°	3501	3480	3484
40°	3422	3393	3378
45°	3285	3232	3215
50°	3032	2989	2960
55°	2699	2661	2643
60°	2353	2327	2303
65°	2062	2064	2052
70°	1856	1850	1823
75°	1728	1678	1681
80°	1543	1514	1514
85°	1191	1226	1180



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.7	3.7
10°-20°	685.5	10.7
20°-30°	1039.3	16.2
30°-40°	1243.0	19.4
40°-50°	1227.3	19.1
50°-60°	955.2	14.9
60°-70°	606.4	9.5
70°-80°	325.4	5.1
80°-90°	88.3	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°	1963.4	30.6
0°-40°	3206.4	50.0
0°-60°	5388.9	84.1
0°-90°	6409.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6409.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2516	2516	2516	2516	2516	
5°	2519	2511	2508	2507	2512	239
15°	2438	2429	2427	2424	2432	688
25°	2262	2257	2254	2250	2256	1043
35°	2000	1996	1988	1982	1990	1251
45°	1620	1609	1594	1586	1586	1244
55°	1080	1074	1064	1057	1057	967
65°	608	610	608	601	605	610
75°	312	307	303	302	304	330
85°	72	74	74	74	72	89
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2516.5	2516.5	2516.5	2516.5	2516.5
2.5°	2525.0	2516.5	2513.7	2512.3	2518.7
5°	2518.7	2510.9	2508.1	2506.7	2512.3
7.5°	2508.1	2499.0	2496.2	2494.8	2501.1
10°	2489.1	2480.7	2477.2	2477.2	2482.8
12.5°	2466.7	2459.6	2456.1	2453.3	2459.6
15°	2437.9	2429.4	2427.3	2424.5	2431.5
17.5°	2403.4	2395.0	2392.2	2390.8	2395.7
20°	2364.1	2353.6	2352.1	2351.4	2354.3
22.5°	2315.6	2310.0	2307.2	2305.8	2307.9
25°	2261.5	2257.3	2254.5	2250.3	2255.9
27.5°	2208.8	2203.2	2196.2	2192.7	2196.2
30°	2144.2	2137.2	2132.3	2130.8	2132.3
32.5°	2077.5	2070.4	2064.1	2063.4	2062.7
35°	2000.2	1996.0	1988.2	1981.9	1990.3
37.5°	1923.6	1913.8	1906.7	1899.0	1896.9
40°	1828.0	1824.5	1812.6	1805.6	1804.9
42.5°	1735.3	1719.1	1710.7	1705.8	1698.1
45°	1620.1	1608.8	1594.1	1586.4	1585.7
47.5°	1500.0	1485.9	1471.8	1461.3	1464.1
50°	1359.4	1353.1	1339.8	1330.6	1327.1
52.5°	1214.7	1213.3	1199.3	1193.6	1187.3
55°	1079.8	1074.2	1064.4	1057.3	1057.3
57.5°	947.0	942.1	937.2	923.9	923.9
60°	820.6	819.9	811.4	803.7	803.0
62.5°	707.5	711.7	704.0	696.2	692.0
65°	607.7	609.8	608.4	600.7	604.9
67.5°	519.9	520.6	517.8	513.6	516.4
70°	442.6	446.1	441.2	438.4	434.9
72.5°	375.2	373.8	369.5	371.7	366.7
75°	311.9	307.0	302.8	302.1	303.5
77.5°	248.7	247.3	243.8	243.8	241.7
80°	186.9	185.5	183.4	184.1	183.4
82.5°	132.8	129.3	126.5	127.9	128.6
85°	72.4	73.8	74.5	74.5	71.7
87.5°	29.5	28.8	29.5	30.9	31.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)