

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: P738566

Luminaire Tested: **24PT-50-PC3-L950**

Issue Date: 2/8/2024



**Test Information**

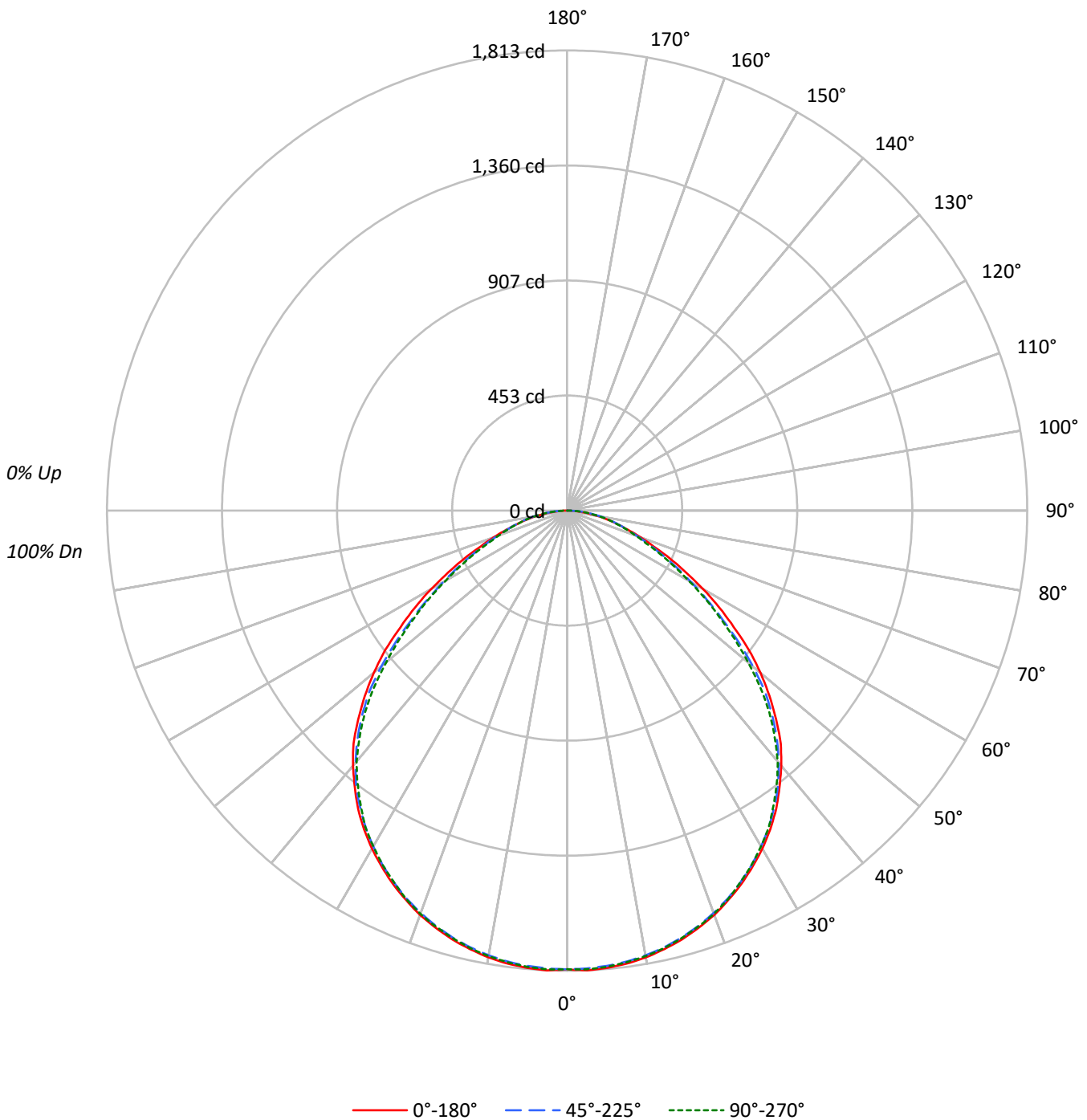
Test Method: LM-79-08  
Report Number: P738566  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-50-PC3-L950  
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4559.0 lumens  
Efficiency: N/A  
Efficacy: 111.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.35  
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 41  
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	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					100			
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86					86			
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73					73			
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62					62			
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54					54			
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47					47			
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41					41			
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37					37			
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33					33			
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30					30			
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27					27			

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

	0°	45°	90°
0°	2592	2592	2592
5°	2603	2592	2597
10°	2603	2591	2595
15°	2597	2585	2588
20°	2587	2574	2580
25°	2569	2556	2555
30°	2547	2530	2529
35°	2513	2493	2481
40°	2457	2427	2416
45°	2361	2318	2285
50°	2217	2132	2076
55°	2004	1869	1833
60°	1773	1617	1585
65°	1516	1401	1365
70°	1284	1230	1194
75°	1126	1145	1106
80°	1009	1113	1051
85°	852	1018	969



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.4	3.8
10°-20°	491.9	10.8
20°-30°	745.1	16.3
30°-40°	890.0	19.5
40°-50°	878.0	19.3
50°-60°	679.7	14.9
60°-70°	417.8	9.2
70°-80°	218.9	4.8
80°-90°	66.4	1.5
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°	1408.4	30.9
0°-40°	2298.4	50.4
0°-60°	3856.0	84.6
0°-90°	4559.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4559.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1807	1807	1807	1807	1807	
5°	1808	1803	1801	1800	1804	172
15°	1750	1744	1742	1740	1744	494
25°	1624	1619	1616	1615	1615	748
35°	1436	1429	1424	1420	1418	896
45°	1164	1156	1143	1131	1127	896
55°	802	780	748	736	733	720
65°	447	426	413	401	402	446
75°	203	205	207	203	200	219
85°	52	58	62	60	59	60
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1807.4	1807.4	1807.4	1807.4	1807.4
2.5°	1813.4	1807.9	1805.4	1804.9	1808.9
5°	1808.4	1802.8	1800.8	1799.8	1804.4
7.5°	1800.3	1794.3	1792.3	1790.8	1794.8
10°	1787.8	1781.7	1779.7	1778.7	1782.2
12.5°	1769.6	1764.1	1762.6	1761.1	1765.6
15°	1749.5	1744.0	1741.5	1740.0	1743.5
17.5°	1723.4	1718.8	1715.8	1715.8	1718.8
20°	1695.2	1689.7	1687.2	1685.6	1690.7
22.5°	1660.5	1657.0	1654.0	1651.4	1657.0
25°	1623.8	1618.7	1615.7	1614.7	1615.2
27.5°	1582.0	1578.5	1574.5	1573.0	1574.0
30°	1538.3	1533.7	1528.2	1525.2	1527.7
32.5°	1489.5	1482.9	1478.4	1475.4	1478.9
35°	1435.6	1429.1	1424.1	1419.5	1417.5
37.5°	1374.3	1372.3	1365.2	1357.2	1356.7
40°	1312.4	1306.9	1296.8	1293.3	1290.8
42.5°	1246.0	1234.4	1223.9	1213.8	1210.3
45°	1164.5	1156.0	1142.9	1130.8	1126.8
47.5°	1081.0	1069.9	1057.4	1036.2	1033.7
50°	994.0	977.9	955.8	938.1	930.6
52.5°	903.4	881.8	851.1	836.0	832.0
55°	801.8	780.2	747.5	736.4	733.4
57.5°	711.3	679.6	652.9	640.4	644.4
60°	618.2	587.5	563.9	551.8	552.8
62.5°	527.2	503.0	485.4	473.9	475.4
65°	446.7	426.1	413.0	400.9	402.4
67.5°	367.7	358.2	348.6	341.6	337.5
70°	306.3	302.3	293.3	286.7	284.7
72.5°	250.5	253.0	245.5	243.5	243.0
75°	203.2	205.2	206.7	202.7	199.7
77.5°	162.5	165.5	171.5	166.0	165.0
80°	122.2	128.3	134.8	131.3	127.3
82.5°	85.5	93.1	99.1	94.6	92.6
85°	51.8	57.8	61.9	60.4	58.9
87.5°	23.1	25.2	27.2	27.7	26.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)