

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: P738563

Luminaire Tested: **24PT-50-PC3-L930**

Issue Date: 2/8/2024



**Test Information**

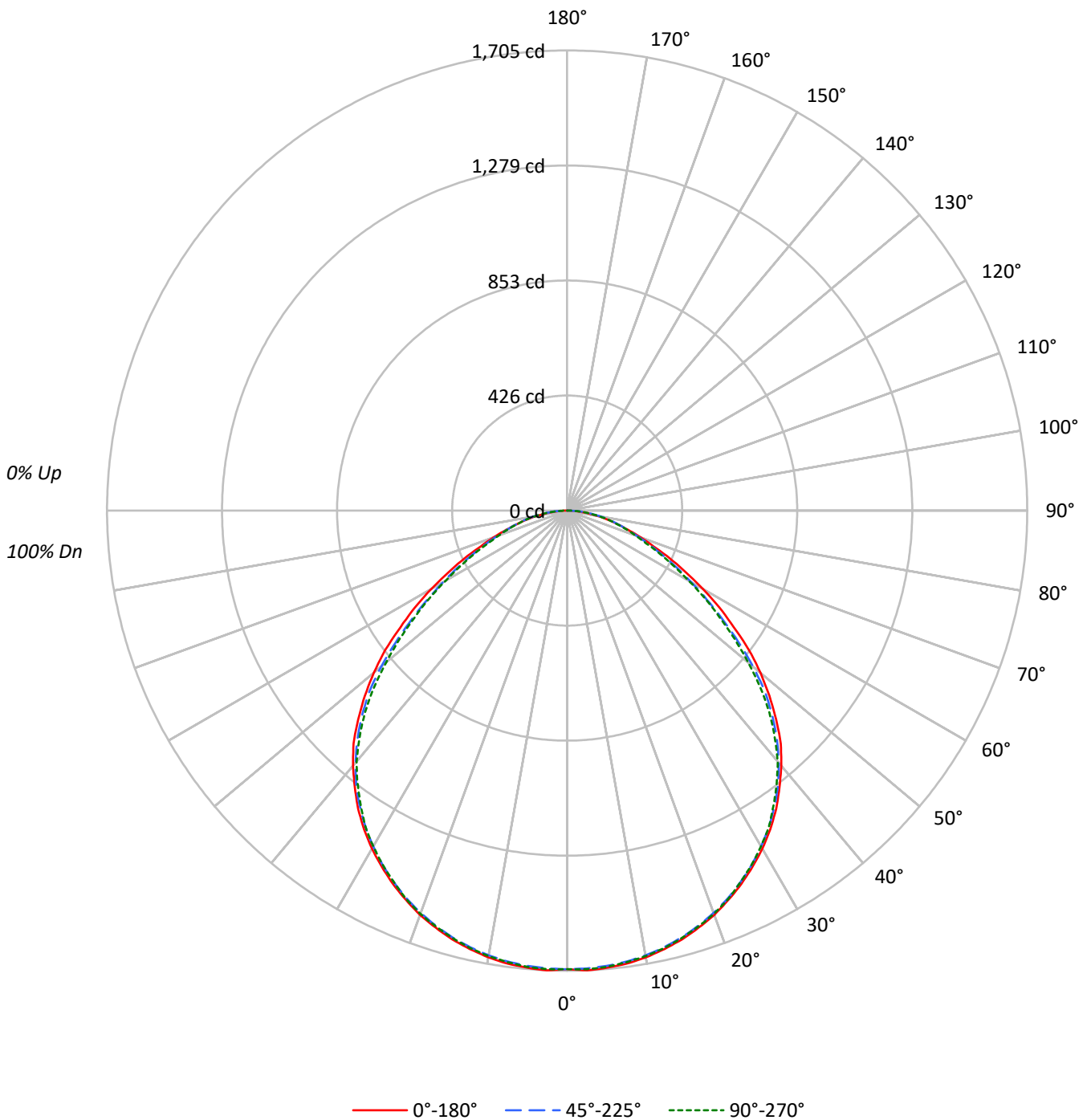
Test Method: LM-79-08  
Report Number: P738563  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-10)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-50-PC3-L930  
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4287.0 lumens  
Efficiency: N/A  
Efficacy: 104.6 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	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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	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	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

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

	0°	45°	90°
0°	2437	2437	2437
5°	2448	2437	2442
10°	2448	2437	2440
15°	2442	2431	2434
20°	2432	2421	2426
25°	2416	2404	2403
30°	2395	2379	2378
35°	2363	2344	2333
40°	2310	2282	2272
45°	2220	2179	2149
50°	2085	2005	1952
55°	1885	1757	1724
60°	1667	1521	1491
65°	1425	1317	1284
70°	1208	1156	1122
75°	1059	1077	1040
80°	949	1047	988
85°	801	957	910



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	161.1	3.8
10°-20°	462.5	10.8
20°-30°	700.7	16.3
30°-40°	836.9	19.5
40°-50°	825.6	19.3
50°-60°	639.1	14.9
60°-70°	392.8	9.2
70°-80°	205.8	4.8
80°-90°	62.4	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°	1324.4	30.9
0°-40°	2161.3	50.4
0°-60°	3625.9	84.6
0°-90°	4287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4287.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1700	1700	1700	1700	1700	
5°	1700	1695	1693	1692	1697	162
15°	1645	1640	1638	1636	1640	464
25°	1527	1522	1519	1518	1519	703
35°	1350	1344	1339	1335	1333	843
45°	1095	1087	1075	1063	1060	842
55°	754	734	703	692	690	677
65°	420	401	388	377	378	419
75°	191	193	194	191	188	206
85°	49	54	58	57	55	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1699.5	1699.5	1699.5	1699.5	1699.5
2.5°	1705.2	1700.0	1697.7	1697.2	1701.0
5°	1700.5	1695.3	1693.4	1692.4	1696.7
7.5°	1692.9	1687.2	1685.4	1683.9	1687.7
10°	1681.1	1675.4	1673.5	1672.6	1675.9
12.5°	1664.1	1658.9	1657.4	1656.0	1660.3
15°	1645.1	1639.9	1637.6	1636.2	1639.5
17.5°	1620.5	1616.3	1613.5	1613.5	1616.3
20°	1594.1	1588.9	1586.5	1585.1	1589.8
22.5°	1561.4	1558.1	1555.3	1552.9	1558.1
25°	1526.9	1522.2	1519.3	1518.4	1518.9
27.5°	1487.6	1484.3	1480.5	1479.1	1480.1
30°	1446.5	1442.2	1437.0	1434.2	1436.5
32.5°	1400.6	1394.4	1390.2	1387.4	1390.7
35°	1350.0	1343.8	1339.1	1334.8	1333.0
37.5°	1292.3	1290.4	1283.8	1276.2	1275.7
40°	1234.1	1228.9	1219.4	1216.1	1213.8
42.5°	1171.7	1160.8	1150.8	1141.4	1138.1
45°	1095.0	1087.0	1074.7	1063.3	1059.6
47.5°	1016.5	1006.1	994.3	974.4	972.0
50°	934.7	919.5	898.7	882.2	875.1
52.5°	849.5	829.2	800.3	786.2	782.4
55°	754.0	733.6	702.9	692.5	689.7
57.5°	668.8	639.0	614.0	602.1	605.9
60°	581.3	552.5	530.3	518.9	519.8
62.5°	495.7	473.0	456.5	445.6	447.0
65°	420.0	400.6	388.3	377.0	378.4
67.5°	345.8	336.8	327.8	321.2	317.4
70°	288.1	284.3	275.8	269.6	267.7
72.5°	235.6	237.9	230.8	228.9	228.5
75°	191.1	193.0	194.4	190.6	187.8
77.5°	152.8	155.6	161.3	156.1	155.1
80°	114.9	120.6	126.8	123.5	119.7
82.5°	80.4	87.5	93.2	88.9	87.0
85°	48.7	54.4	58.2	56.8	55.3
87.5°	21.8	23.7	25.5	26.0	25.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)