

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: P738580

Luminaire Tested: **24PT-50-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

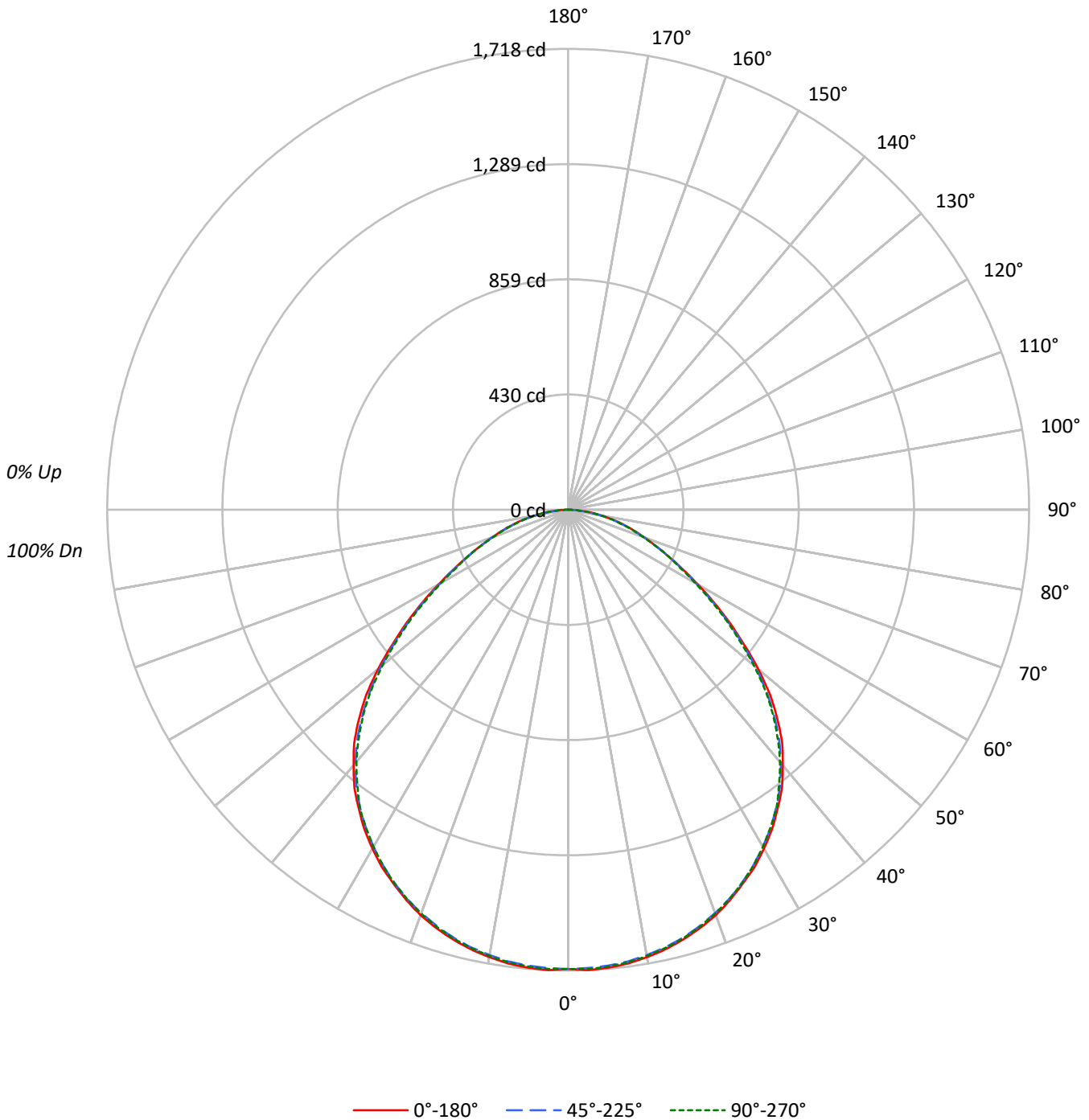
Test Method: LM-79-08  
Report Number: P738580  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-15)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 24PT-50-PR1-L935  
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4361.0 lumens  
Efficiency: N/A  
Efficacy: 106.4 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): 41  
Input Voltage (V): NR  
Input Current (Ain): 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°	2455	2455	2455
5°	2467	2456	2461
10°	2466	2454	2460
15°	2462	2452	2456
20°	2455	2442	2444
25°	2435	2427	2429
30°	2416	2402	2402
35°	2382	2368	2371
40°	2328	2309	2299
45°	2235	2200	2188
50°	2063	2033	2014
55°	1837	1810	1799
60°	1601	1584	1567
65°	1403	1405	1396
70°	1263	1259	1241
75°	1176	1141	1144
80°	1050	1031	1031
85°	809	834	803



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	162.4	3.7
10°-20°	466.4	10.7
20°-30°	707.2	16.2
30°-40°	845.8	19.4
40°-50°	835.1	19.1
50°-60°	650.0	14.9
60°-70°	412.6	9.5
70°-80°	221.4	5.1
80°-90°	60.1	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°	1336.0	30.6
0°-40°	2181.8	50.0
0°-60°	3666.9	84.1
0°-90°	4361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4361.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1712	1712	1712	1712	1712	
5°	1714	1709	1707	1706	1710	163
15°	1659	1653	1652	1650	1654	468
25°	1539	1536	1534	1531	1535	710
35°	1361	1358	1353	1349	1354	851
45°	1102	1095	1085	1079	1079	846
55°	735	731	724	720	720	658
65°	414	415	414	409	412	415
75°	212	209	206	206	206	224
85°	49	50	51	51	49	61
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1712.4	1712.4	1712.4	1712.4	1712.4
2.5°	1718.1	1712.4	1710.5	1709.5	1713.8
5°	1713.8	1708.6	1706.6	1705.7	1709.5
7.5°	1706.6	1700.4	1698.5	1697.6	1701.9
10°	1693.7	1688.0	1685.6	1685.6	1689.4
12.5°	1678.4	1673.7	1671.3	1669.4	1673.7
15°	1658.8	1653.1	1651.7	1649.8	1654.5
17.5°	1635.4	1629.7	1627.8	1626.8	1630.2
20°	1608.6	1601.5	1600.5	1600.0	1602.0
22.5°	1575.7	1571.8	1569.9	1569.0	1570.4
25°	1538.9	1536.0	1534.1	1531.2	1535.0
27.5°	1503.0	1499.2	1494.4	1492.0	1494.4
30°	1459.0	1454.2	1450.9	1449.9	1450.9
32.5°	1413.6	1408.8	1404.5	1404.0	1403.6
35°	1361.0	1358.1	1352.9	1348.6	1354.3
37.5°	1308.9	1302.2	1297.4	1292.2	1290.7
40°	1243.9	1241.5	1233.4	1228.6	1228.1
42.5°	1180.8	1169.8	1164.1	1160.7	1155.5
45°	1102.4	1094.7	1084.7	1079.4	1079.0
47.5°	1020.6	1011.1	1001.5	994.3	996.3
50°	925.0	920.7	911.6	905.4	903.0
52.5°	826.6	825.6	816.0	812.2	807.9
55°	734.8	730.9	724.2	719.5	719.5
57.5°	644.4	641.1	637.7	628.6	628.6
60°	558.4	557.9	552.2	546.9	546.4
62.5°	481.4	484.3	479.0	473.7	470.9
65°	413.5	414.9	414.0	408.7	411.6
67.5°	353.8	354.2	352.3	349.5	351.4
70°	301.2	303.6	300.2	298.3	295.9
72.5°	255.3	254.3	251.5	252.9	249.5
75°	212.3	208.9	206.0	205.6	206.5
77.5°	169.2	168.3	165.9	165.9	164.4
80°	127.2	126.2	124.8	125.2	124.8
82.5°	90.4	88.0	86.0	87.0	87.5
85°	49.2	50.2	50.7	50.7	48.8
87.5°	20.1	19.6	20.1	21.0	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)