

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: P738183

Luminaire Tested: **22PT-45-PC3-L830**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738183  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PC3-L830  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source: -  
Ballast/Driver: -

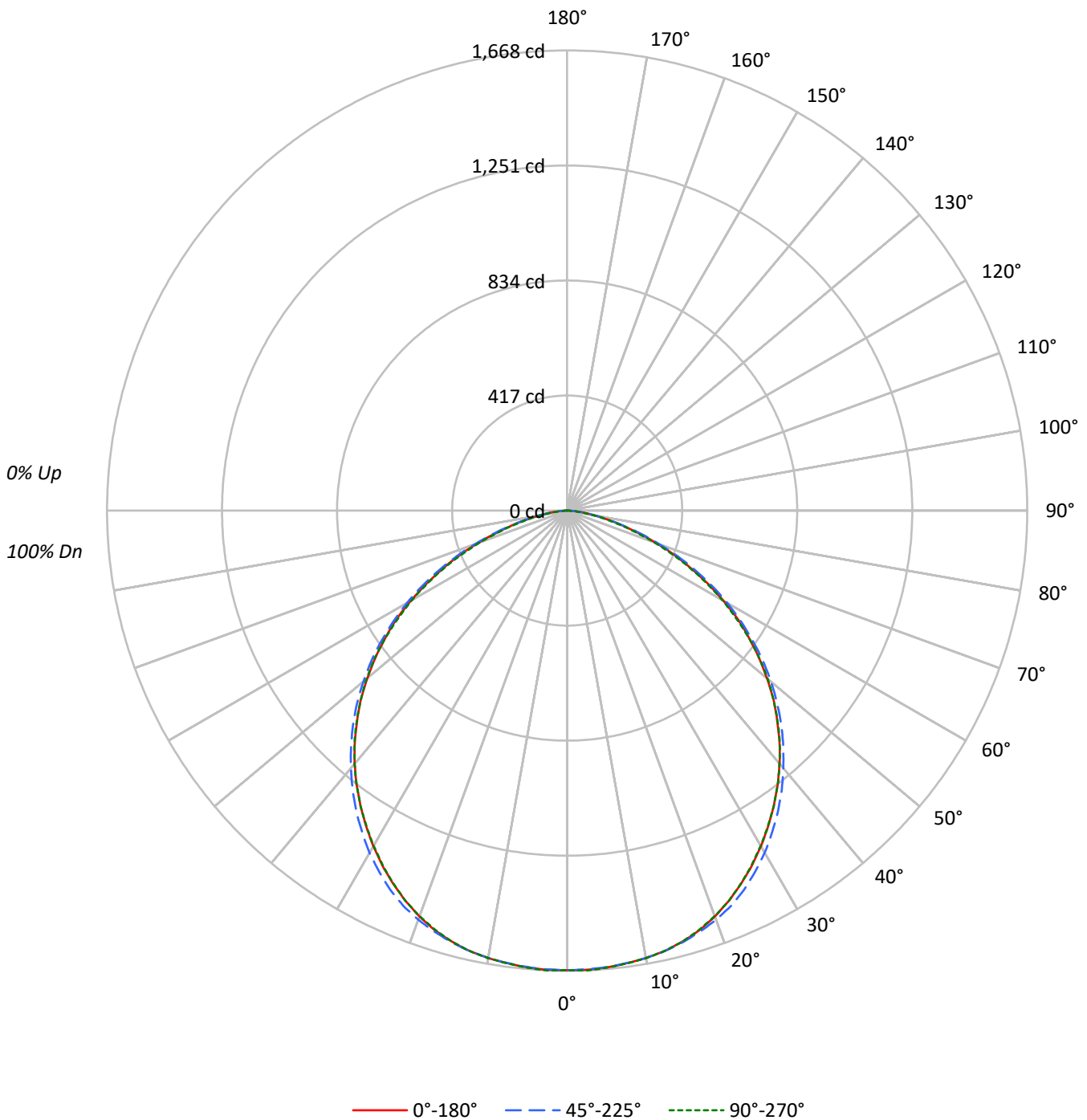
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4476.0 lumens  
Efficiency: N/A  
Efficacy: 126.8 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.25 / 1.37  
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')  
CIE Type: Direct

Input Watts (W): 35.3  
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

TEST NUMBER: P738183  
CATALOG NUMBER: 22PT-45-PC3-L830

### Luminous Intensity Polar Plot





TEST NUMBER: P738183

CATALOG NUMBER: 22PT-45-PC3-L830

**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	97	107	103	99	96	99	96	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	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	4882	4882	4882
5°	4888	4885	4891
10°	4901	4899	4901
15°	4906	4912	4905
20°	4881	4921	4878
25°	4825	4903	4821
30°	4753	4846	4746
35°	4671	4764	4671
40°	4583	4664	4583
45°	4462	4550	4469
50°	4309	4394	4327
55°	4110	4190	4110
60°	3832	3929	3808
65°	3440	3560	3395
70°	2942	3046	2855
75°	2334	2400	2213
80°	1674	1736	1593
85°	1106	1140	1035



TEST NUMBER: P738183

CATALOG NUMBER: 22PT-45-PC3-L830

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	158.1	3.5
10°-20°	456.6	10.2
20°-30°	692.8	15.5
30°-40°	827.3	18.5
40°-50°	841.4	18.8
50°-60°	727.8	16.3
60°-70°	500.8	11.2
70°-80°	227.3	5.1
80°-90°	44.0	1.0
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°	1307.4	29.2
0°-40°	2134.8	47.7
0°-60°	3703.9	82.8
0°-90°	4476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1666	1666	1666	1666	1666	
5°	1662	1660	1661	1661	1663	158
15°	1617	1618	1619	1617	1617	456
25°	1492	1506	1517	1503	1491	687
35°	1306	1329	1332	1327	1306	817
45°	1077	1096	1098	1097	1078	830
55°	804	818	820	819	804	719
65°	496	510	514	509	490	492
75°	206	214	212	210	196	222
85°	33	35	34	33	31	43
90°	0	0	0	0	0	



TEST NUMBER: P738183

CATALOG NUMBER: 22PT-45-PC3-L830

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1666.1	1666.1	1666.1	1666.1	1666.1
2.5°	1666.1	1664.0	1664.5	1665.1	1668.2
5°	1662.0	1660.3	1660.8	1660.8	1663.0
7.5°	1655.0	1654.5	1654.5	1653.9	1655.6
10°	1647.1	1646.0	1646.5	1646.0	1647.1
12.5°	1634.9	1634.9	1635.3	1633.9	1634.9
15°	1617.4	1618.4	1619.4	1616.9	1616.9
17.5°	1595.1	1597.7	1600.4	1595.7	1593.0
20°	1565.5	1571.9	1578.1	1570.7	1564.4
22.5°	1531.0	1541.5	1551.2	1539.5	1531.0
25°	1492.3	1505.6	1516.7	1502.9	1491.3
27.5°	1450.4	1465.3	1475.8	1464.2	1448.3
30°	1404.9	1422.9	1432.4	1421.3	1402.7
32.5°	1356.2	1377.3	1383.1	1376.2	1355.0
35°	1305.8	1329.1	1331.8	1327.0	1305.8
37.5°	1253.3	1275.6	1277.7	1275.0	1253.3
40°	1198.2	1218.8	1219.4	1219.4	1198.2
42.5°	1139.4	1159.5	1159.5	1158.9	1140.9
45°	1076.9	1096.5	1098.1	1096.9	1078.5
47.5°	1014.9	1029.7	1032.3	1030.2	1013.8
50°	945.4	960.8	964.0	961.8	949.2
52.5°	876.5	890.9	894.0	892.4	878.1
55°	804.5	818.2	820.3	818.8	804.5
57.5°	735.1	744.0	746.1	743.0	725.0
60°	653.9	666.7	670.4	666.7	649.8
62.5°	575.6	589.3	592.5	587.2	569.2
65°	496.1	509.7	513.5	509.3	489.7
67.5°	420.8	430.8	434.1	429.3	411.2
70°	343.4	356.2	355.6	349.2	333.3
72.5°	267.1	284.5	281.4	277.7	260.1
75°	206.2	214.1	212.0	209.9	195.5
77.5°	147.3	156.8	151.6	152.1	139.9
80°	99.2	108.1	102.9	100.6	94.4
82.5°	63.0	66.7	65.7	64.7	58.9
85°	32.9	34.9	33.9	32.9	30.8
87.5°	12.8	13.8	12.8	12.8	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)