

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: P738348

Luminaire Tested: **22PT-45-PW1-L935**

Issue Date: 2/8/2024



**Test Information**

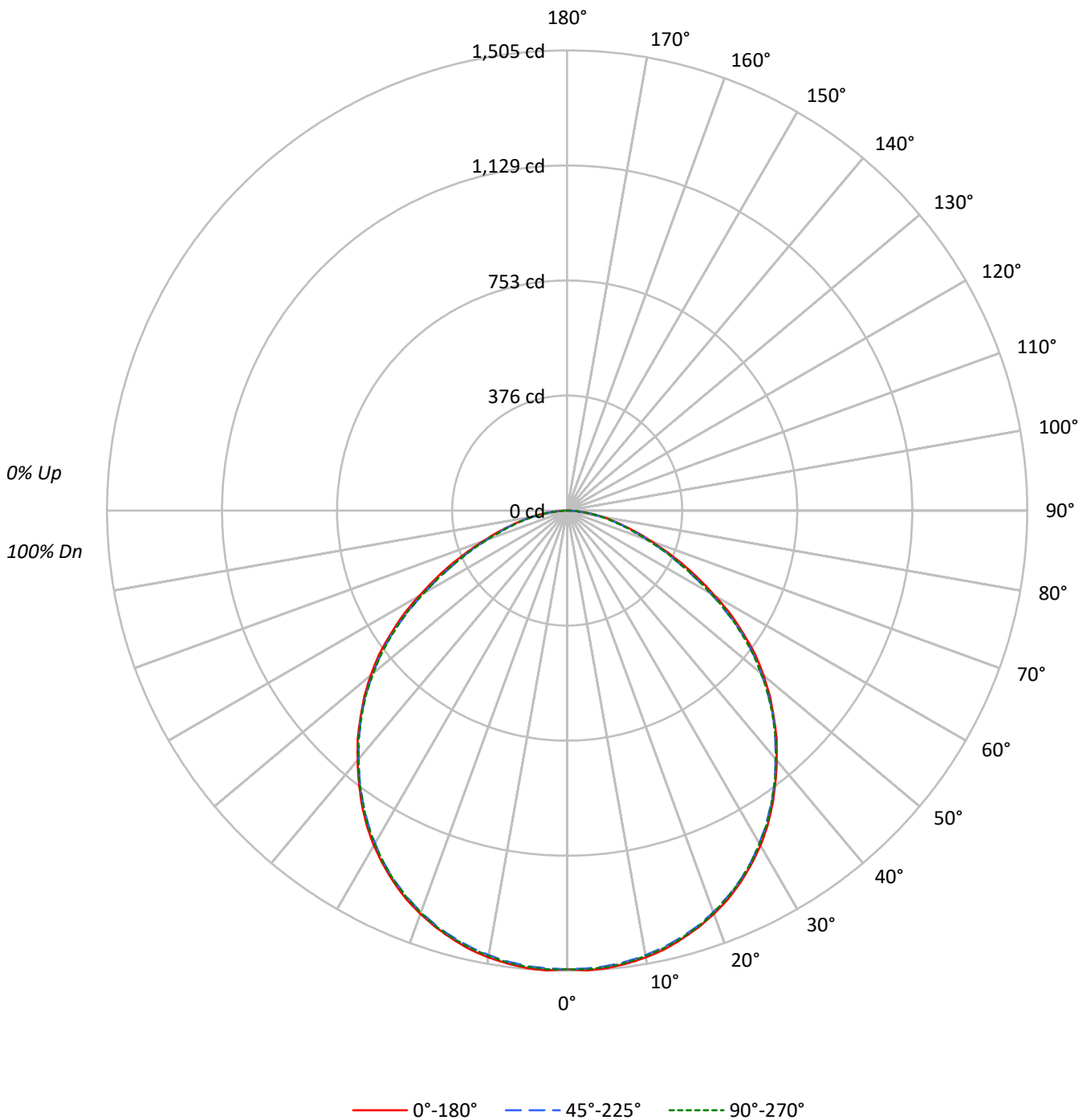
Test Method: LM-79-08  
Report Number: P738348  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PW1-L935  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3907.0 lumens  
Efficiency: N/A  
Efficacy: 110.7 lumens/watt  
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34  
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: P738348  
CATALOG NUMBER: 22PT-45-PW1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P738348

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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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	84	79	76	81	77	74	72					72			
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61					61			
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46					46			
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40					40			
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36					36			
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32					32			
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	4396	4396	4396
5°	4417	4397	4406
10°	4414	4393	4402
15°	4400	4381	4391
20°	4377	4358	4365
25°	4337	4318	4324
30°	4280	4253	4259
35°	4189	4166	4169
40°	4078	4056	4060
45°	3959	3945	3940
50°	3823	3780	3770
55°	3601	3554	3535
60°	3269	3174	3182
65°	2907	2771	2771
70°	2492	2400	2382
75°	2161	2114	2065
80°	1944	1866	1829
85°	1543	1560	1472



TEST NUMBER: P738348

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	142.2	3.6
10°-20°	407.9	10.4
20°-30°	615.4	15.8
30°-40°	728.9	18.7
40°-50°	733.8	18.8
50°-60°	620.4	15.9
60°-70°	403.4	10.3
70°-80°	200.8	5.1
80°-90°	54.1	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°	1165.6	29.8
0°-40°	1894.5	48.5
0°-60°	3248.7	83.2
0°-90°	3907.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3907.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1500	1500	1500	1500	1500	
5°	1502	1496	1495	1494	1498	143
15°	1450	1446	1444	1444	1448	409
25°	1342	1337	1336	1334	1337	618
35°	1171	1166	1165	1165	1166	732
45°	956	952	952	951	951	737
55°	705	699	696	693	692	629
65°	419	408	400	397	400	416
75°	191	191	187	182	182	207
85°	46	47	46	46	44	55
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1500.2	1500.2	1500.2	1500.2	1500.2
2.5°	1505.3	1500.2	1498.5	1497.7	1501.5
5°	1501.9	1496.4	1495.1	1494.3	1498.1
7.5°	1494.3	1489.2	1487.5	1487.0	1490.9
10°	1483.6	1478.5	1476.4	1475.6	1479.4
12.5°	1470.0	1464.5	1462.4	1461.5	1464.9
15°	1450.5	1445.8	1444.1	1443.7	1447.5
17.5°	1429.2	1424.5	1423.7	1422.4	1426.2
20°	1403.7	1399.0	1397.7	1396.0	1399.9
22.5°	1375.6	1370.1	1368.4	1367.1	1370.1
25°	1341.6	1336.9	1335.7	1334.4	1337.4
27.5°	1304.2	1300.8	1299.1	1297.8	1299.5
30°	1265.1	1259.1	1257.0	1256.1	1258.7
32.5°	1220.0	1215.7	1212.8	1212.3	1215.3
35°	1171.1	1166.0	1164.7	1164.7	1165.6
37.5°	1119.2	1116.7	1114.5	1113.3	1115.8
40°	1066.1	1065.2	1060.5	1060.1	1061.4
42.5°	1013.8	1010.4	1007.0	1008.7	1009.5
45°	955.5	952.1	952.1	950.8	950.8
47.5°	899.4	896.0	891.3	891.7	892.6
50°	838.6	834.3	829.2	832.2	827.1
52.5°	776.5	768.8	765.0	765.0	764.6
55°	705.0	699.1	695.7	692.7	691.9
57.5°	636.2	627.2	618.7	619.6	622.5
60°	557.9	553.7	541.7	542.6	543.0
62.5°	487.3	479.2	466.9	466.9	471.2
65°	419.3	407.8	399.7	396.7	399.7
67.5°	352.5	346.1	339.3	334.7	338.9
70°	290.9	287.5	280.2	275.6	278.1
72.5°	240.7	236.0	230.1	227.5	224.9
75°	190.9	190.9	186.7	181.6	182.4
77.5°	150.5	149.3	146.3	144.2	144.2
80°	115.2	114.0	110.6	109.7	108.4
82.5°	79.5	79.9	78.2	77.0	75.3
85°	45.9	46.8	46.4	46.4	43.8
87.5°	19.6	17.9	19.1	18.7	20.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)