

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: P738212

Luminaire Tested: **22PT-45-PR1-L935**

Issue Date: 2/8/2024



**Test Information**

Test Method: LM-79-08  
Report Number: P738212  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P506224)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PR1-L935  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPLE LENS

Light Source: -  
Ballast/Driver: -

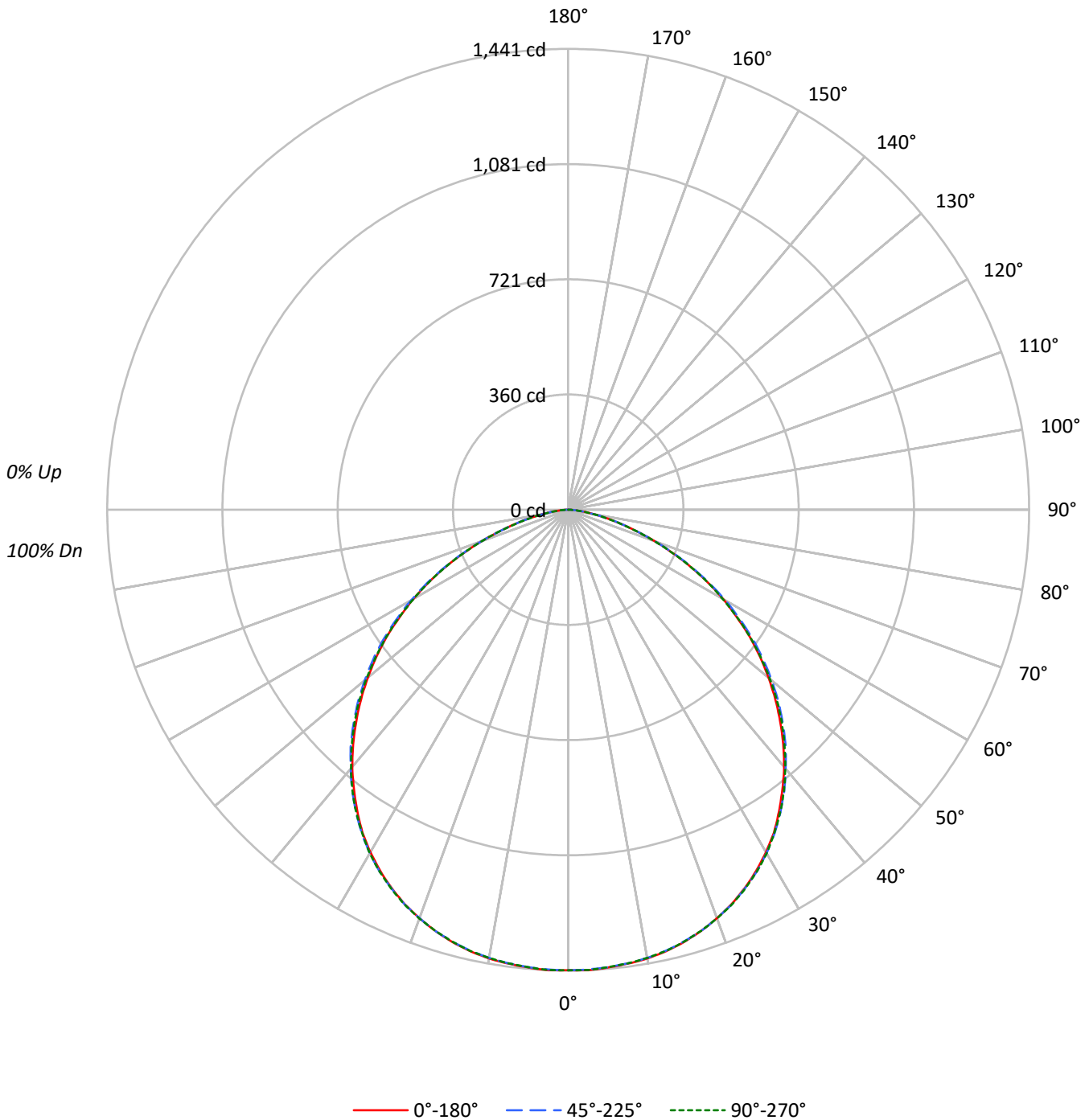
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3849.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.27 / 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 (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

TEST NUMBER: P738212  
CATALOG NUMBER: 22PT-45-PR1-L935

### Luminous Intensity Polar Plot





TEST NUMBER: P738212

CATALOG NUMBER: 22PT-45-PR1-L935

**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	85
2	100	92	86	80	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	71	58	50	43	70	58	49	43	56	48	43	54	48	43	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

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

	0°	45°	90°
0°	4220	4220	4220
5°	4227	4224	4224
10°	4240	4234	4234
15°	4245	4241	4242
20°	4239	4238	4241
25°	4221	4226	4229
30°	4183	4196	4198
35°	4112	4135	4133
40°	4017	4044	4039
45°	3885	3935	3915
50°	3727	3784	3753
55°	3538	3594	3543
60°	3279	3325	3268
65°	2926	2956	2922
70°	2462	2462	2446
75°	1929	1929	1908
80°	1412	1397	1390
85°	921	921	938



TEST NUMBER: P738212

CATALOG NUMBER: 22PT-45-PR1-L935

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.6	3.6
10°-20°	394.7	10.3
20°-30°	602.1	15.6
30°-40°	721.6	18.7
40°-50°	728.8	18.9
50°-60°	623.5	16.2
60°-70°	420.5	10.9
70°-80°	185.5	4.8
80°-90°	35.6	0.9
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°	1133.5	29.4
0°-40°	1855.1	48.2
0°-60°	3207.4	83.3
0°-90°	3849.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3849.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1440	1440	1440	1440	1440	
5°	1437	1435	1436	1435	1436	137
15°	1400	1399	1398	1398	1398	395
25°	1306	1307	1307	1307	1308	601
35°	1150	1156	1156	1155	1156	719
45°	938	945	950	948	945	723
55°	693	699	704	703	694	617
65°	422	426	426	426	422	417
75°	170	171	170	171	168	185
85°	27	27	27	28	28	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1440.4	1440.4	1440.4	1440.4	1440.4
2.5°	1441.4	1439.5	1438.9	1438.5	1440.4
5°	1437.0	1435.1	1436.1	1435.1	1436.1
7.5°	1431.7	1429.8	1430.4	1429.3	1430.4
10°	1425.1	1423.1	1423.1	1422.1	1423.1
12.5°	1414.4	1413.0	1412.5	1411.5	1413.0
15°	1399.5	1399.0	1398.1	1397.6	1398.5
17.5°	1381.3	1380.3	1381.3	1379.8	1380.7
20°	1359.6	1360.1	1359.2	1359.6	1360.1
22.5°	1335.0	1335.0	1335.6	1335.6	1336.5
25°	1305.7	1307.1	1307.1	1307.1	1308.1
27.5°	1273.0	1274.9	1276.3	1275.3	1276.3
30°	1236.4	1239.8	1240.2	1239.8	1240.7
32.5°	1196.9	1199.3	1200.7	1199.7	1198.8
35°	1149.7	1156.5	1156.1	1155.0	1155.5
37.5°	1100.2	1106.9	1109.3	1107.4	1107.9
40°	1050.1	1055.9	1057.3	1057.8	1055.9
42.5°	994.7	1001.5	1006.8	1004.4	1001.5
45°	937.5	944.7	949.6	948.1	944.7
47.5°	878.3	885.0	891.8	889.3	886.1
50°	817.7	824.3	830.2	829.2	823.4
52.5°	755.6	763.3	768.6	766.7	758.9
55°	692.6	698.8	703.6	702.6	693.6
57.5°	624.2	632.4	634.8	633.3	626.7
60°	559.6	565.1	567.4	565.5	557.7
62.5°	490.9	495.2	497.1	496.7	491.4
65°	422.1	425.5	426.4	425.5	421.5
67.5°	351.4	356.1	356.7	356.7	352.7
70°	287.4	288.7	287.4	291.2	285.5
72.5°	225.2	226.2	225.2	225.2	222.8
75°	170.4	170.8	170.4	170.8	168.5
77.5°	123.2	124.1	122.2	123.7	121.3
80°	83.7	83.7	82.8	83.3	82.4
82.5°	52.0	52.9	51.6	51.6	51.0
85°	27.4	27.4	27.4	27.9	27.9
87.5°	9.6	9.6	10.0	10.0	9.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)