

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: P738187

Luminaire Tested: **22PT-45-PC3-L930**

Issue Date: 2/8/2024



**Test Information**

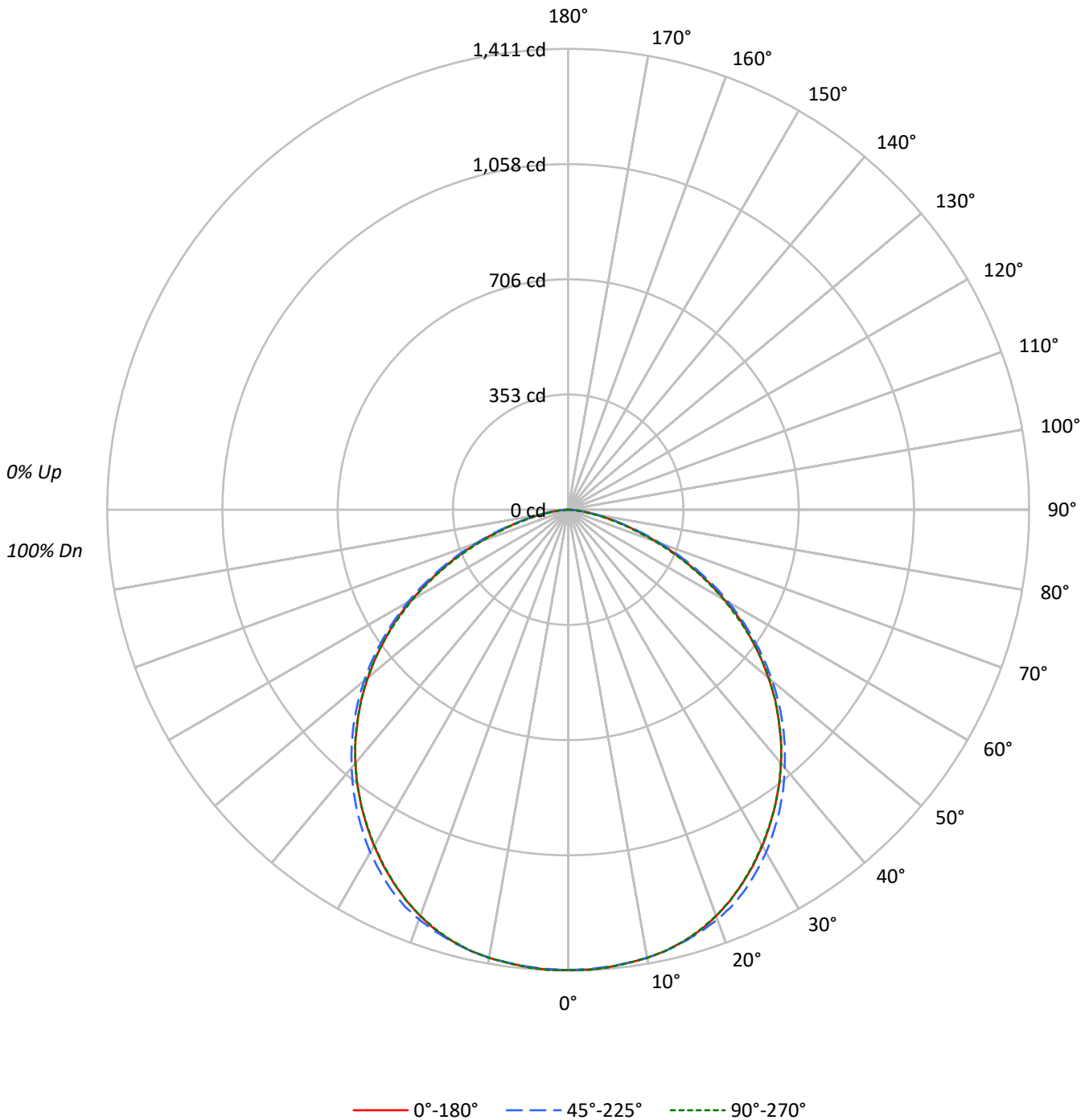
Test Method: LM-79-08  
Report Number: P738187  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P413056)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/8/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: 22PT-45-PC3-L930  
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS  
  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3786.0 lumens  
Efficiency: N/A  
Efficacy: 107.3 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 (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	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°	4129	4129	4129
5°	4135	4132	4137
10°	4145	4144	4145
15°	4150	4155	4149
20°	4129	4162	4126
25°	4081	4148	4078
30°	4021	4099	4014
35°	3951	4029	3951
40°	3877	3945	3877
45°	3774	3849	3780
50°	3645	3717	3659
55°	3476	3544	3476
60°	3241	3323	3221
65°	2909	3011	2872
70°	2489	2577	2415
75°	1974	2030	1871
80°	1416	1468	1347
85°	935	965	874



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.7	3.5
10°-20°	386.2	10.2
20°-30°	586.0	15.5
30°-40°	699.8	18.5
40°-50°	711.7	18.8
50°-60°	615.6	16.3
60°-70°	423.6	11.2
70°-80°	192.2	5.1
80°-90°	37.2	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°	1105.9	29.2
0°-40°	1805.7	47.7
0°-60°	3132.9	82.8
0°-90°	3786.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3786.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1409	1409	1409	1409	1409	
5°	1406	1404	1405	1405	1407	134
15°	1368	1369	1370	1368	1368	386
25°	1262	1274	1283	1271	1261	581
35°	1104	1124	1126	1122	1104	691
45°	911	927	929	928	912	702
55°	680	692	694	693	680	608
65°	420	431	434	431	414	416
75°	174	181	179	178	165	188
85°	28	30	29	28	26	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1409.3	1409.3	1409.3	1409.3	1409.3
2.5°	1409.3	1407.5	1407.9	1408.4	1411.0
5°	1405.8	1404.4	1404.7	1404.7	1406.6
7.5°	1399.8	1399.5	1399.5	1399.0	1400.3
10°	1393.2	1392.3	1392.7	1392.3	1393.2
12.5°	1382.9	1382.9	1383.2	1382.0	1382.9
15°	1368.0	1368.9	1369.8	1367.7	1367.7
17.5°	1349.2	1351.4	1353.7	1349.7	1347.4
20°	1324.2	1329.6	1334.8	1328.6	1323.3
22.5°	1295.0	1303.9	1312.1	1302.1	1295.0
25°	1262.3	1273.5	1282.9	1271.2	1261.4
27.5°	1226.8	1239.4	1248.3	1238.5	1225.1
30°	1188.4	1203.6	1211.6	1202.2	1186.5
32.5°	1147.1	1165.0	1169.9	1164.1	1146.1
35°	1104.5	1124.2	1126.5	1122.5	1104.5
37.5°	1060.1	1079.0	1080.7	1078.5	1060.1
40°	1013.5	1030.9	1031.4	1031.4	1013.5
42.5°	963.8	980.8	980.8	980.3	965.0
45°	910.8	927.4	928.8	927.8	912.2
47.5°	858.4	871.0	873.1	871.4	857.5
50°	799.7	812.6	815.4	813.5	802.8
52.5°	741.4	753.6	756.2	754.8	742.7
55°	680.5	692.1	693.8	692.6	680.5
57.5°	621.8	629.3	631.1	628.4	613.2
60°	553.1	563.9	567.1	563.9	549.6
62.5°	486.9	498.4	501.2	496.7	481.5
65°	419.6	431.2	434.3	430.8	414.2
67.5°	356.0	364.4	367.2	363.1	347.8
70°	290.5	301.3	300.8	295.4	281.9
72.5°	226.0	240.7	238.0	234.9	220.0
75°	174.4	181.1	179.3	177.5	165.3
77.5°	124.6	132.7	128.3	128.6	118.3
80°	83.9	91.4	87.0	85.1	79.8
82.5°	53.3	56.5	55.6	54.7	49.8
85°	27.8	29.5	28.7	27.8	26.0
87.5°	10.8	11.7	10.8	10.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)