

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1046741

Luminaire Tested: 22PTR-45-PB1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PB1-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

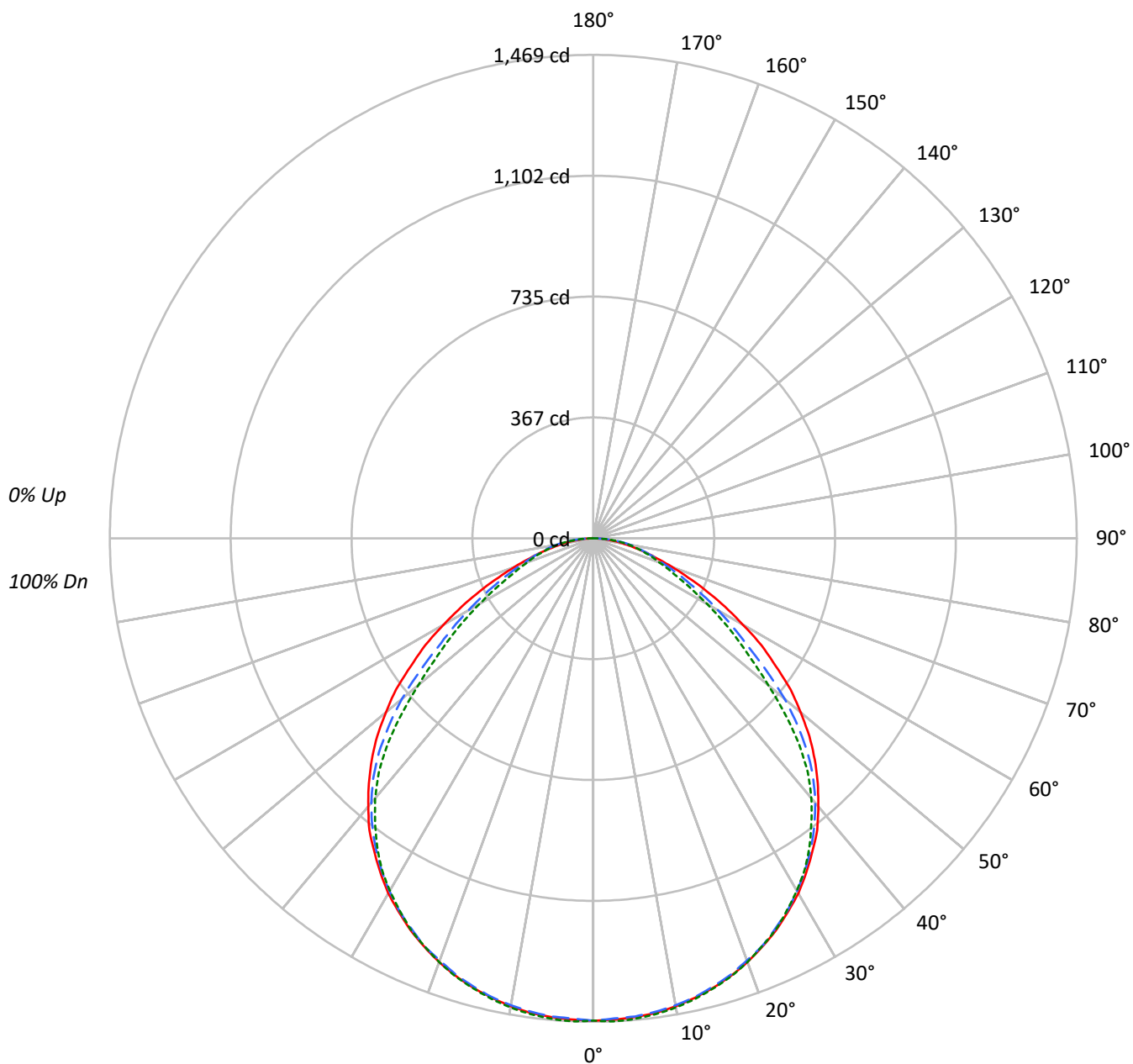
Lumens per Lamp: N/A
Luminaire Lumens: 3655.0 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1046741

CATALOG NUMBER: 22PTR-45-PB1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046741

CATALOG NUMBER: 22PTR-45-PB1-L930-UNV-STD-W

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

TEST NUMBER: P1046741

CATALOG NUMBER: 22PTR-45-PB1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.0	3.8
10°-20°	398.8	10.9
20°-30°	604.1	16.5
30°-40°	719.8	19.7
40°-50°	703.9	19.3
50°-60°	532.4	14.6
60°-70°	327.1	8.9
70°-80°	174.3	4.8
80°-90°	55.6	1.5
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°	1141.9	31.2
0°-40°	1861.7	50.9
0°-60°	3098.0	84.8
0°-90°	3655.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3655.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1466	1466	1466	1466	1466	
5°	1460	1462	1459	1464	1466	139
15°	1414	1415	1410	1415	1415	399
25°	1314	1312	1309	1311	1312	605
35°	1161	1159	1152	1147	1145	726
45°	952	947	921	891	883	732
55°	676	642	575	543	534	605
65°	380	350	321	296	287	379
75°	162	164	166	160	157	174
85°	36	47	58	54	50	43
90°	0	0	0	0	0	

TEST NUMBER: P1046741

CATALOG NUMBER: 22PTR-45-PB1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1465.8	1465.8	1465.8	1465.8	1465.8
2.5°	1464.1	1465.8	1460.3	1467.7	1469.4
5°	1460.3	1462.2	1458.6	1464.1	1465.8
7.5°	1455.0	1455.0	1451.4	1456.7	1458.6
10°	1444.2	1444.2	1440.6	1445.9	1447.8
12.5°	1429.8	1429.8	1427.9	1431.5	1433.4
15°	1413.5	1415.2	1409.9	1415.2	1415.2
17.5°	1393.7	1392.0	1390.1	1393.7	1395.6
20°	1370.2	1370.2	1364.9	1368.5	1370.2
22.5°	1343.1	1343.1	1341.4	1343.1	1341.4
25°	1314.4	1312.5	1308.9	1310.8	1312.5
27.5°	1280.1	1280.1	1276.5	1276.5	1274.6
30°	1245.8	1243.9	1238.6	1235.1	1236.8
32.5°	1204.4	1202.5	1197.2	1193.6	1195.3
35°	1161.0	1159.3	1152.1	1146.7	1145.0
37.5°	1117.9	1112.4	1103.3	1096.1	1088.9
40°	1063.8	1058.3	1049.4	1033.1	1031.2
42.5°	1009.6	1004.3	989.7	970.1	964.6
45°	951.9	946.6	921.2	890.6	883.4
47.5°	890.6	881.7	841.9	804.1	789.7
50°	822.2	806.0	759.0	710.4	694.1
52.5°	755.4	726.6	665.3	622.0	605.9
55°	676.1	641.8	575.2	542.7	533.6
57.5°	605.9	558.9	504.8	472.4	465.2
60°	524.7	481.3	438.2	409.2	398.4
62.5°	450.7	412.8	376.9	351.5	339.0
65°	380.5	349.8	321.0	295.7	286.8
67.5°	311.9	295.7	272.2	252.5	247.0
70°	254.2	245.1	229.0	219.9	212.8
72.5°	202.0	205.6	194.8	191.2	185.7
75°	162.2	164.1	165.8	160.5	156.9
77.5°	122.7	131.5	138.7	135.1	131.5
80°	92.0	100.9	113.6	108.3	108.3
82.5°	63.0	74.0	84.8	81.2	79.3
85°	36.2	46.9	57.7	54.1	50.5
87.5°	14.4	23.5	25.2	25.2	23.5
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)