

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: P1046951

Luminaire Tested: 22PTR-45-PR1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046951
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PR1-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

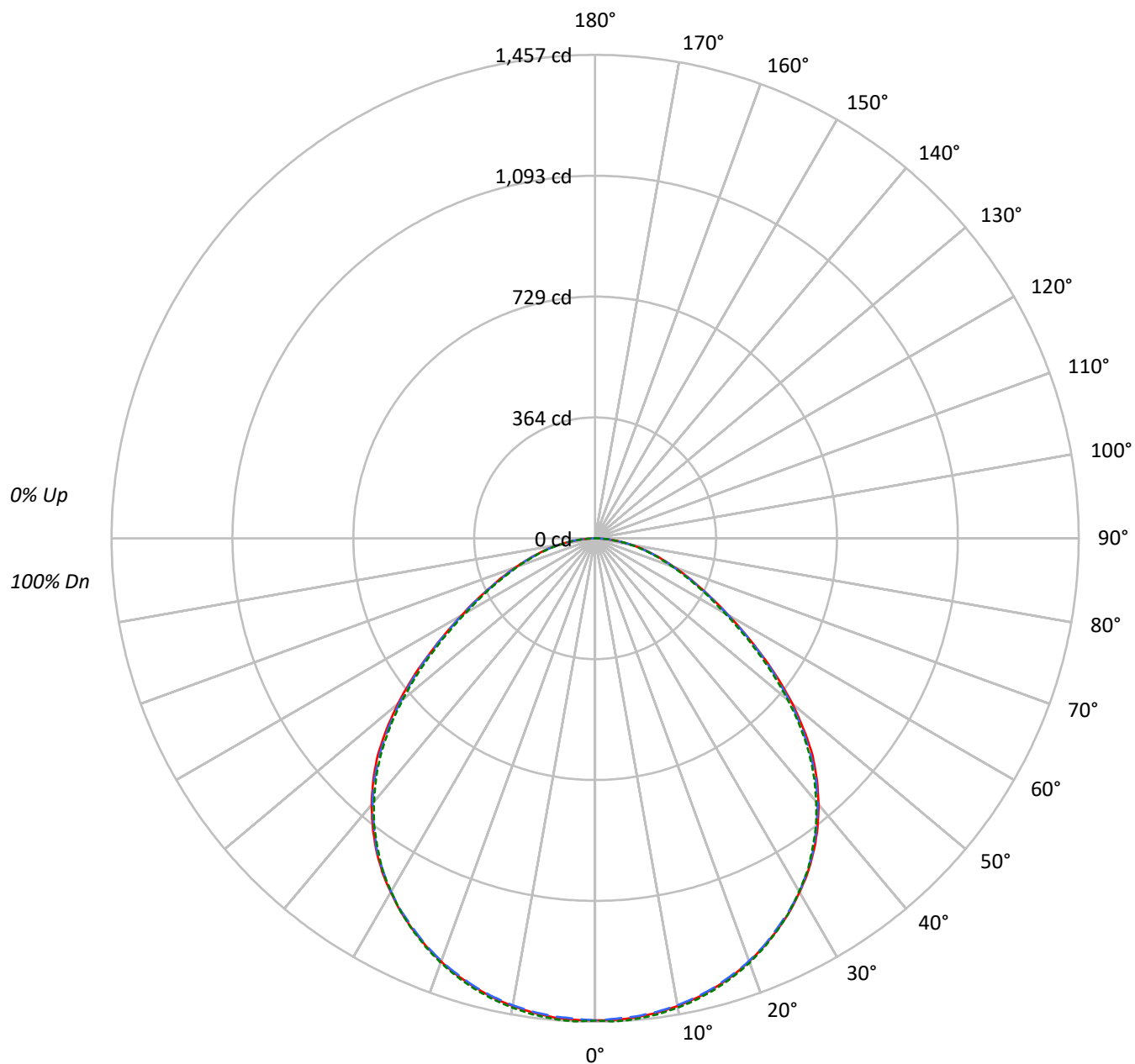
Lumens per Lamp: N/A
Luminaire Lumens: 3675.3 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
Input Voltage (V): 120
Input Current (Ain): 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: P1046951

CATALOG NUMBER: 22PTR-45-PR1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046951

CATALOG NUMBER: 22PTR-45-PR1-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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	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: P1046951

CATALOG NUMBER: 22PTR-45-PR1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.8	3.8
10°-20°	395.7	10.8
20°-30°	599.4	16.3
30°-40°	715.6	19.5
40°-50°	703.7	19.1
50°-60°	543.9	14.8
60°-70°	343.0	9.3
70°-80°	185.5	5.0
80°-90°	50.7	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°	1132.9	30.8
0°-40°	1848.5	50.3
0°-60°	3096.2	84.2
0°-90°	3675.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3675.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1453	1453	1453	1453	1453	
5°	1449	1450	1446	1452	1454	138
15°	1401	1402	1399	1404	1406	395
25°	1301	1302	1298	1302	1302	599
35°	1149	1150	1146	1145	1142	717
45°	927	923	916	909	910	710
55°	612	617	609	600	598	549
65°	345	346	343	337	336	348
75°	178	176	174	174	170	189
85°	43	44	43	43	41	51
90°	0	0	0	0	0	

TEST NUMBER: P1046951

CATALOG NUMBER: 22PTR-45-PR1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1453.3	1453.3	1453.3	1453.3	1453.3
2.5°	1452.7	1453.3	1449.1	1455.9	1457.4
5°	1449.1	1449.7	1445.9	1452.1	1453.8
7.5°	1441.7	1442.9	1439.3	1445.5	1447.0
10°	1431.3	1432.5	1428.9	1435.1	1436.6
12.5°	1418.5	1418.8	1415.8	1421.5	1423.0
15°	1401.2	1401.6	1399.2	1403.7	1405.8
17.5°	1381.4	1381.9	1378.3	1384.0	1385.0
20°	1357.5	1357.9	1355.8	1360.5	1361.1
22.5°	1330.8	1332.0	1328.8	1332.9	1333.5
25°	1300.7	1301.7	1297.5	1301.7	1302.3
27.5°	1268.9	1269.3	1265.7	1268.9	1268.4
30°	1231.9	1235.1	1230.3	1229.2	1228.8
32.5°	1193.4	1193.8	1189.3	1188.1	1190.2
35°	1149.1	1149.5	1146.5	1145.0	1141.8
37.5°	1100.7	1100.7	1094.8	1093.9	1093.3
40°	1047.5	1047.0	1043.4	1039.8	1036.0
42.5°	989.6	990.7	983.4	977.1	976.2
45°	926.6	923.0	916.2	909.0	909.6
47.5°	852.2	853.2	843.9	838.0	836.5
50°	775.0	775.0	766.3	760.0	756.8
52.5°	694.4	694.9	686.6	678.3	676.6
55°	612.0	617.2	609.4	599.6	597.5
57.5°	535.0	539.2	531.8	521.4	520.8
60°	463.7	464.1	462.0	452.1	449.5
62.5°	402.7	400.1	398.9	393.8	390.6
65°	345.4	346.0	343.3	337.4	336.5
67.5°	299.0	298.5	293.7	290.1	288.0
70°	253.6	252.1	250.0	247.0	244.9
72.5°	213.1	213.1	211.4	210.5	206.9
75°	177.7	175.6	173.5	174.5	170.3
77.5°	143.8	141.8	140.0	138.0	137.0
80°	108.8	106.7	107.3	104.1	103.7
82.5°	75.5	75.5	74.6	71.9	72.5
85°	43.1	43.7	42.8	43.1	41.1
87.5°	15.7	16.1	17.2	16.1	16.1
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)