

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: P1046993

Luminaire Tested: 22PTR-45-PW1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046993
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PW1-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

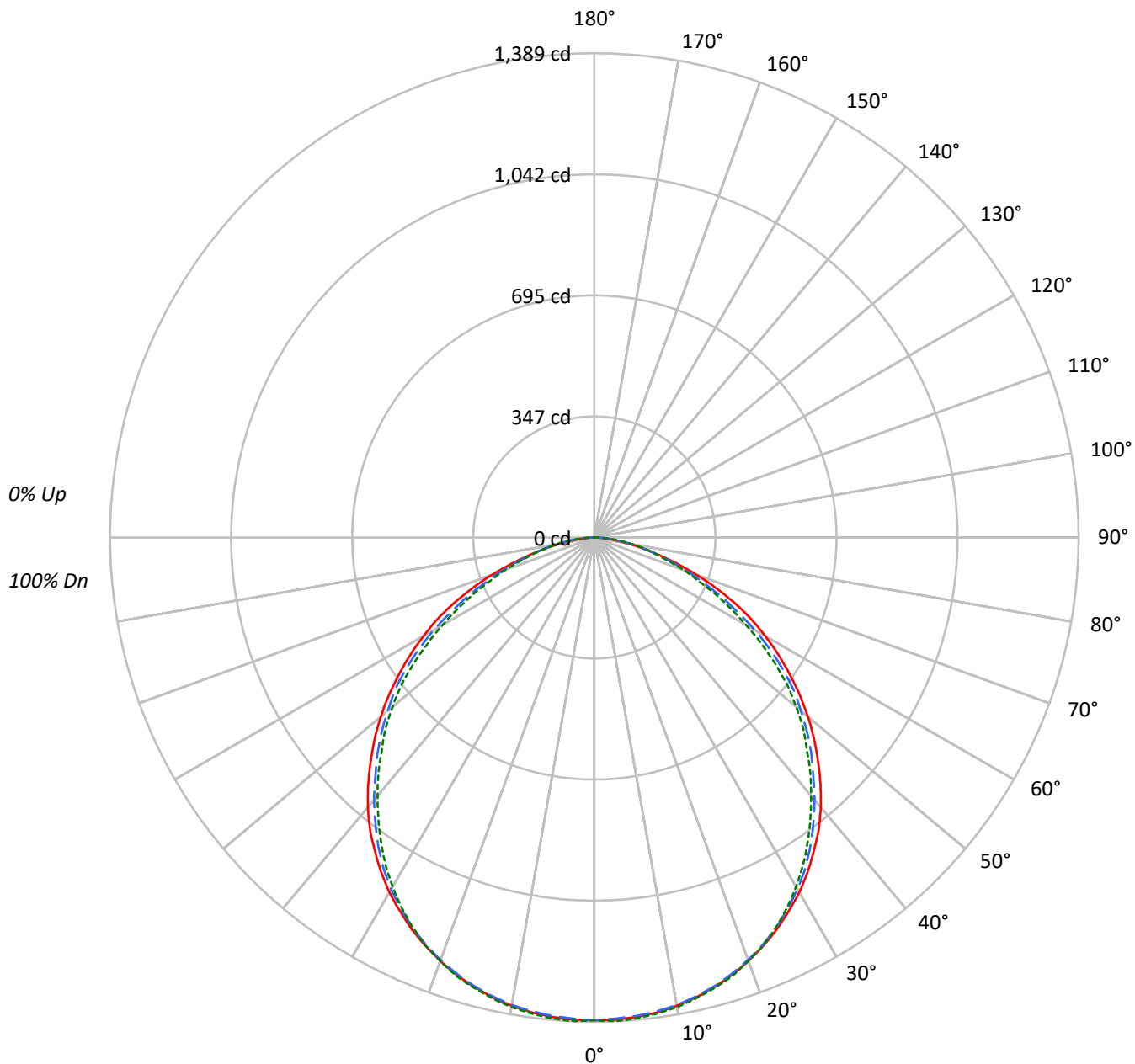
Lumens per Lamp: N/A
Luminaire Lumens: 3675.4 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2' x W: 0' x H: 2'
CIE Type: Direct

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

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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
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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	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	47	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°	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	3.6
10°-20°	376.7	10.2
20°-30°	569.3	15.5
30°-40°	676.0	18.4
40°-50°	681.1	18.5
50°-60°	588.7	16.0
60°-70°	402.4	10.9
70°-80°	198.4	5.4
80°-90°	51.3	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°	1077.4	29.3
0°-40°	1753.4	47.7
0°-60°	3023.2	82.3
0°-90°	3675.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3675.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1385	1385	1385	1385	1385	
5°	1381	1381	1378	1383	1385	131
15°	1334	1336	1332	1337	1337	377
25°	1240	1239	1235	1236	1234	571
35°	1097	1094	1081	1071	1067	687
45°	907	897	880	870	862	700
55°	684	682	660	641	634	611
65°	442	426	401	384	381	436
75°	187	186	183	183	178	204
85°	35	42	46	47	46	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1384.9	1384.9	1384.9	1384.9	1384.9
2.5°	1384.6	1384.9	1381.4	1387.5	1389.0
5°	1380.8	1381.4	1377.8	1383.4	1384.9
7.5°	1374.3	1375.2	1371.1	1376.7	1377.8
10°	1364.4	1365.0	1361.4	1367.0	1368.1
12.5°	1351.2	1351.5	1348.6	1353.6	1353.6
15°	1334.2	1335.7	1332.2	1336.8	1337.2
17.5°	1315.2	1315.7	1312.2	1317.2	1318.4
20°	1292.6	1292.6	1289.6	1293.7	1292.6
22.5°	1267.4	1267.4	1263.9	1266.0	1266.9
25°	1239.9	1238.7	1234.6	1235.7	1233.7
27.5°	1208.0	1208.0	1200.7	1200.7	1197.1
30°	1175.7	1173.1	1165.4	1160.8	1157.2
32.5°	1138.6	1135.1	1125.4	1117.2	1114.5
35°	1097.2	1093.5	1080.6	1070.9	1066.8
37.5°	1057.1	1048.9	1031.9	1022.2	1017.6
40°	1010.3	1000.0	982.7	969.3	967.2
42.5°	960.1	951.9	929.4	919.5	917.1
45°	906.8	896.9	880.0	869.7	862.1
47.5°	854.4	847.1	827.7	815.4	812.8
50°	799.4	793.3	773.3	760.1	755.4
52.5°	742.5	738.4	721.5	704.5	698.9
55°	683.6	681.6	660.5	640.9	634.2
57.5°	625.6	623.0	596.7	574.1	568.0
60°	565.0	557.4	531.6	510.6	503.8
62.5°	507.6	491.2	463.4	447.0	439.3
65°	441.8	425.9	401.3	383.8	381.3
67.5°	377.2	358.2	339.2	328.4	320.2
70°	309.9	297.0	282.7	273.6	272.1
72.5°	247.3	238.1	230.9	225.3	220.6
75°	187.2	185.7	183.1	183.1	178.1
77.5°	137.6	141.2	143.2	142.7	143.8
80°	95.5	102.6	106.7	107.2	106.7
82.5°	60.6	68.8	75.5	76.5	77.6
85°	35.4	41.6	45.7	46.6	45.7
87.5°	15.9	20.0	21.1	22.0	21.1
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)