

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: P1046699

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046699
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

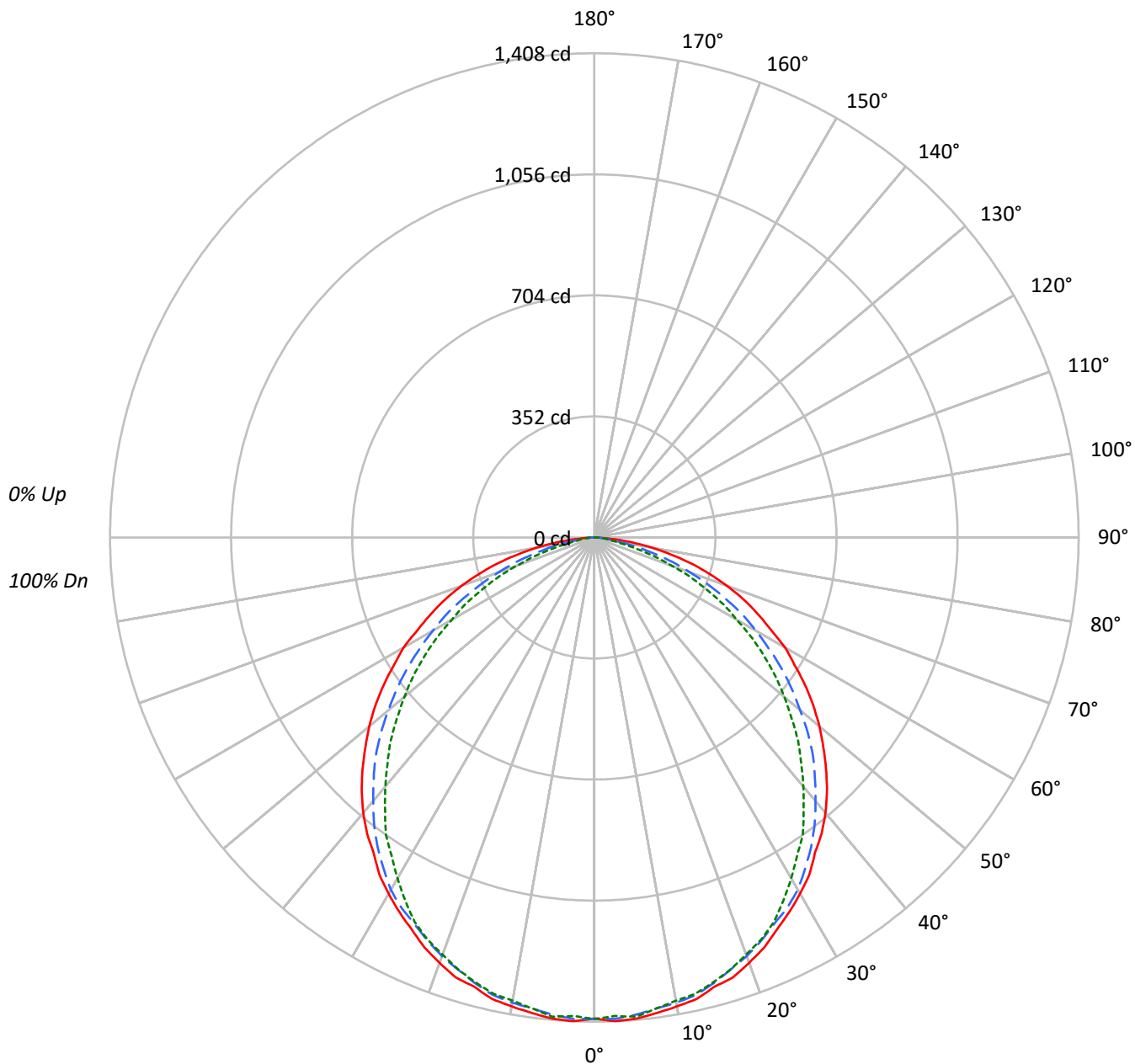
Lumens per Lamp: N/A
Luminaire Lumens: 3728.1 lumens
Efficiency: N/A
Efficacy: 106.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91
2	100	92	85	80	97	90	84	79	87	81	77		83	79	75		80
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64
5	77	64	56	49	75	63	55	49	61	54	48		59	53	48		57
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48
8	61	48	40	34	60	47	39	34	46	39	34		45	38	33		44
9	57	44	36	31	56	44	36	30	42	35	30		41	35	30		40
10	54	41	33	28	53	40	33	28	39	32	28		38	32	27		37

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°	132.7	3.6
10°-20°	379.6	10.2
20°-30°	573.4	15.4
30°-40°	681.8	18.3
40°-50°	691.5	18.5
50°-60°	600.5	16.1
60°-70°	426.3	11.4
70°-80°	203.7	5.5
80°-90°	38.6	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°	1085.7	29.1
0°-40°	1767.5	47.4
0°-60°	3059.5	82.1
0°-90°	3728.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3728.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1405	1400	1393	1396	1399	133
15°	1352	1355	1341	1340	1339	383
25°	1257	1255	1239	1244	1234	581
35°	1119	1117	1099	1061	1056	703
45°	953	944	899	852	838	735
55°	748	725	664	625	604	668
65°	523	484	420	375	361	518
75°	291	238	177	140	124	305
85°	57	30	26	25	24	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1399.6	1399.6	1399.6	1399.6	1399.6
2.5°	1407.9	1402.9	1401.3	1407.1	1392.9
5°	1404.6	1399.6	1392.9	1396.3	1398.8
7.5°	1394.6	1390.4	1381.3	1388.8	1381.3
10°	1384.6	1380.4	1373.8	1376.3	1367.9
12.5°	1374.6	1364.6	1362.9	1364.6	1358.7
15°	1352.1	1355.4	1341.2	1339.6	1338.7
17.5°	1341.2	1332.9	1317.9	1318.7	1317.1
20°	1316.2	1306.2	1295.4	1293.7	1290.4
22.5°	1290.4	1278.7	1268.7	1273.7	1266.2
25°	1257.1	1255.4	1238.7	1243.7	1234.5
27.5°	1227.9	1222.0	1214.5	1203.7	1190.4
30°	1196.2	1190.4	1182.9	1154.5	1144.5
32.5°	1162.9	1156.2	1141.2	1107.8	1097.0
35°	1118.7	1117.0	1098.7	1061.2	1056.2
37.5°	1085.3	1067.0	1052.0	1013.6	999.5
40°	1045.3	1035.3	1000.3	963.6	945.3
42.5°	1001.1	989.5	949.5	910.3	890.3
45°	952.8	944.5	899.4	851.9	837.8
47.5°	902.8	895.3	841.9	796.1	777.7
50°	854.4	845.3	781.1	736.9	720.2
52.5°	801.9	786.9	723.6	680.2	664.4
55°	747.7	725.2	664.4	625.2	603.5
57.5°	690.2	669.4	601.9	561.0	543.5
60°	640.2	611.0	541.8	500.2	477.6
62.5°	576.0	551.0	485.1	436.0	425.1
65°	522.7	483.5	420.1	375.1	360.9
67.5°	468.5	422.6	358.4	312.6	305.1
70°	409.3	361.8	295.9	250.9	238.4
72.5°	349.3	302.6	238.4	190.9	183.4
75°	290.9	237.6	176.7	140.0	124.2
77.5°	227.6	179.2	124.2	85.9	75.9
80°	169.2	120.9	71.7	50.8	50.0
82.5°	110.9	70.0	38.3	39.2	37.5
85°	56.7	30.0	25.8	25.0	24.2
87.5°	10.8	11.7	12.5	12.5	12.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)