

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: P1046825

Luminaire Tested: 22PTR-45-PL1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PL1-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

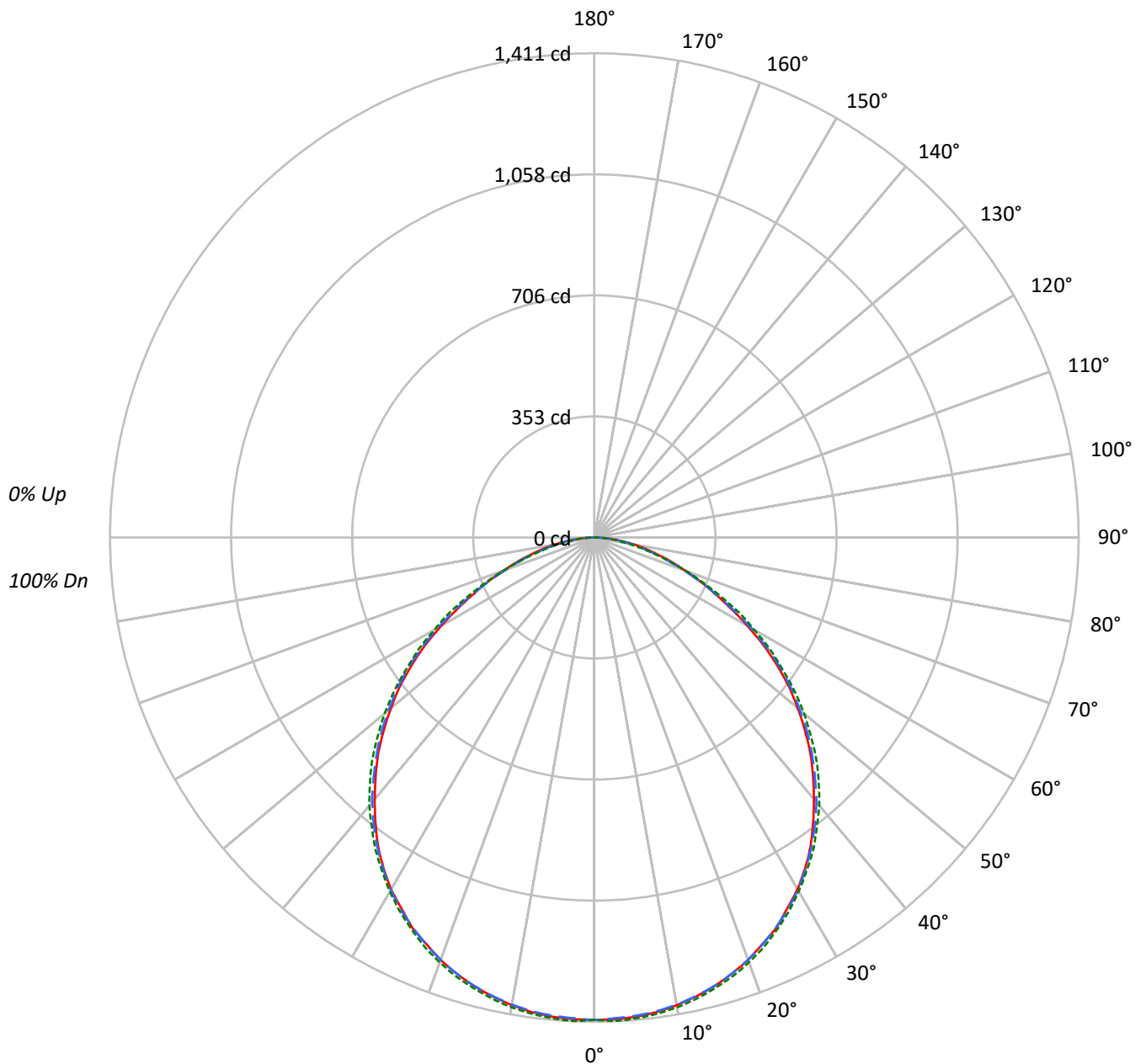
Lumens per Lamp: N/A
Luminaire Lumens: 3706.4 lumens
Efficiency: N/A
Efficacy: 105.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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			94	92	90			91
2	100	92	86	80	97	90	84	79		87	82	77			83	79	75			80
3	91	81	73	67	89	80	72	66		77	70	65			74	69	64			71
4	84	72	64	57	82	71	63	57		68	61	56			66	60	55			64
5	77	65	56	49	75	64	55	49		61	54	49			60	53	48			58
6	71	58	50	43	69	57	49	43		56	48	43			54	47	42			52
7	66	53	44	38	65	52	44	38		51	43	38			49	43	38			48
8	62	48	40	34	60	48	40	34		46	39	34			45	39	34			44
9	58	44	36	31	56	44	36	31		43	36	31			42	35	30			41
10	54	41	33	28	53	41	33	28		40	33	28			39	32	28			38

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°	133.4	3.6
10°-20°	382.5	10.3
20°-30°	578.6	15.6
30°-40°	689.7	18.6
40°-50°	693.6	18.7
50°-60°	588.6	15.9
60°-70°	391.9	10.6
70°-80°	195.7	5.3
80°-90°	52.4	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°	1094.5	29.5
0°-40°	1784.3	48.1
0°-60°	3066.4	82.7
0°-90°	3706.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3706.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1406	1406	1406	1406	1406	
5°	1402	1402	1399	1406	1407	133
15°	1354	1355	1353	1359	1360	382
25°	1255	1255	1253	1259	1260	577
35°	1099	1100	1103	1111	1112	685
45°	890	892	898	910	915	685
55°	650	655	661	667	668	579
65°	386	389	390	396	406	387
75°	191	188	180	176	176	205
85°	49	48	45	42	39	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1406.1	1406.1	1406.1	1406.1	1406.1
2.5°	1404.9	1406.1	1402.3	1409.1	1410.8
5°	1401.9	1402.3	1399.3	1405.5	1407.0
7.5°	1395.1	1395.7	1392.5	1399.3	1400.2
10°	1384.1	1385.3	1382.6	1388.9	1390.4
12.5°	1370.1	1371.6	1369.0	1375.8	1376.9
15°	1353.5	1355.0	1352.9	1358.6	1359.7
17.5°	1333.0	1334.2	1333.0	1338.3	1341.3
20°	1310.1	1310.1	1310.1	1314.8	1317.5
22.5°	1281.5	1284.2	1283.0	1289.3	1291.9
25°	1255.0	1255.0	1253.3	1259.2	1260.1
27.5°	1217.9	1222.1	1221.7	1226.8	1228.0
30°	1184.0	1185.2	1185.7	1189.3	1191.4
32.5°	1143.0	1143.9	1145.6	1150.7	1151.3
35°	1098.7	1099.8	1102.8	1110.6	1111.7
37.5°	1047.2	1052.9	1055.5	1063.8	1064.8
40°	995.5	999.1	1007.0	1015.8	1019.9
42.5°	942.9	947.0	951.8	963.7	967.5
45°	890.3	891.8	897.6	909.6	914.9
47.5°	832.0	836.7	841.8	852.2	855.4
50°	773.6	778.8	782.0	791.3	797.5
52.5°	714.8	719.5	723.1	728.8	735.0
55°	650.2	654.8	660.6	666.9	668.4
57.5°	584.5	589.7	593.4	600.1	606.9
60°	514.1	520.0	525.1	531.4	538.2
62.5°	448.6	451.1	456.4	466.8	476.6
65°	386.0	389.2	390.1	396.0	405.8
67.5°	333.9	333.9	329.2	331.3	342.2
70°	279.2	277.1	273.5	271.4	280.3
72.5°	234.9	232.3	224.5	220.9	225.6
75°	190.6	188.0	179.6	175.5	176.0
77.5°	153.1	149.0	142.2	135.0	133.5
80°	116.2	114.5	107.9	101.1	95.8
82.5°	82.3	78.7	75.0	70.8	66.6
85°	49.4	48.5	44.9	42.2	38.6
87.5°	20.3	20.3	19.3	18.2	17.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)