

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: P1046783

Luminaire Tested: 22PTR-45-PC3-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PC3-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

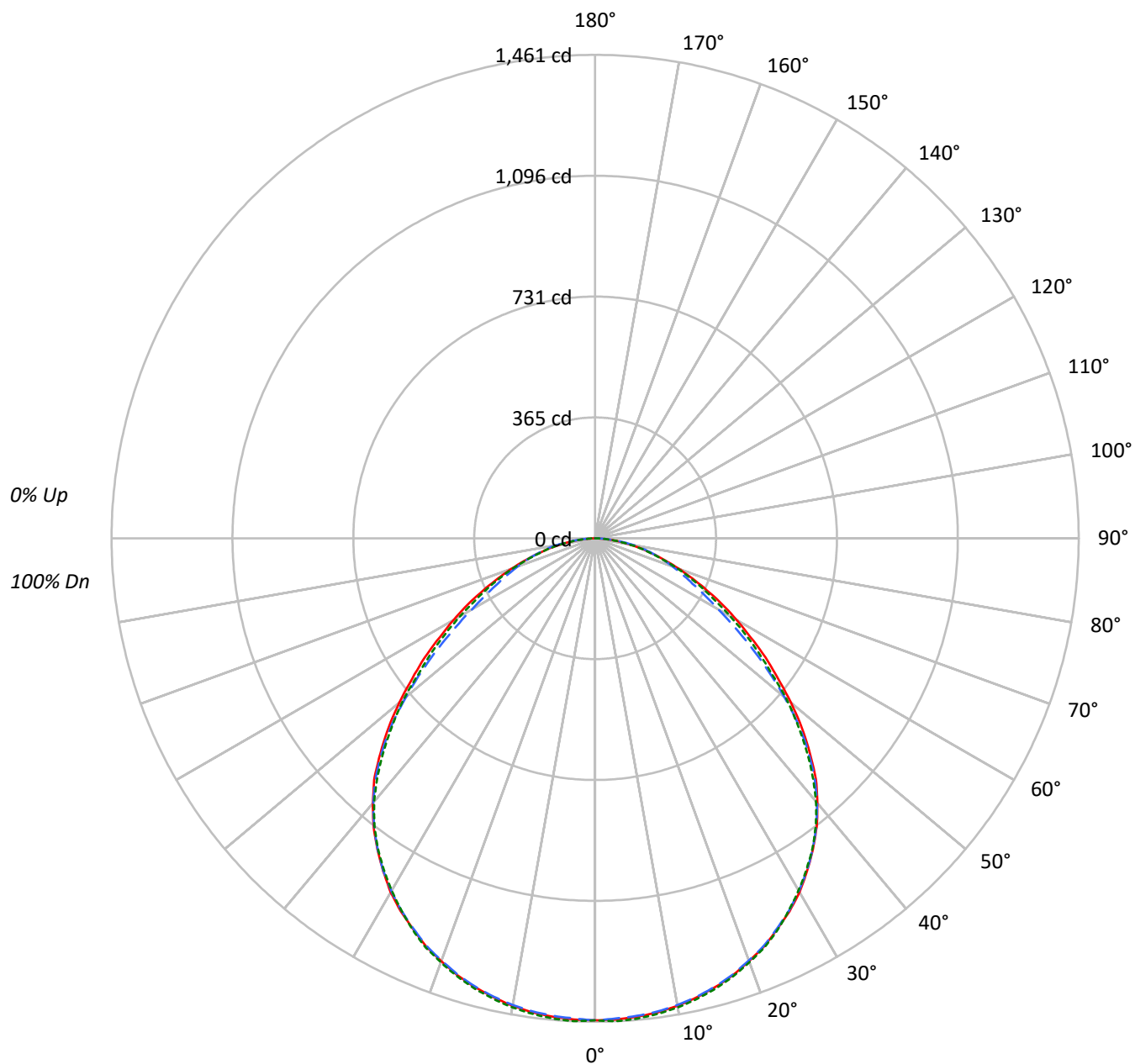
Lumens per Lamp: N/A
Luminaire Lumens: 3672.4 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		77	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	46	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			40	33	29			39

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°	138.2	3.8
10°-20°	396.6	10.8
20°-30°	600.4	16.3
30°-40°	715.8	19.5
40°-50°	699.4	19.0
50°-60°	534.8	14.6
60°-70°	343.4	9.3
70°-80°	191.0	5.2
80°-90°	52.8	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°	1135.1	30.9
0°-40°	1851.0	50.4
0°-60°	3085.2	84.0
0°-90°	3672.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3672.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1457	1457	1457	1457	1457	
5°	1452	1452	1449	1456	1457	138
15°	1404	1405	1402	1407	1409	396
25°	1303	1304	1300	1305	1306	601
35°	1147	1148	1146	1146	1144	717
45°	917	919	910	908	901	706
55°	628	606	577	585	603	562
65°	373	344	325	335	358	372
75°	179	181	182	180	176	192
85°	39	46	46	45	39	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1456.7	1456.7	1456.7	1456.7	1456.7
2.5°	1455.7	1456.3	1452.5	1458.7	1460.8
5°	1451.5	1452.5	1448.9	1455.7	1457.2
7.5°	1445.3	1446.2	1442.6	1449.5	1450.0
10°	1434.9	1435.5	1432.2	1439.1	1440.0
12.5°	1420.9	1422.4	1418.8	1425.0	1425.4
15°	1404.0	1405.2	1402.5	1407.3	1408.8
17.5°	1384.3	1384.9	1382.3	1387.4	1387.9
20°	1359.7	1359.7	1357.7	1363.5	1363.5
22.5°	1334.7	1333.2	1332.7	1334.7	1338.0
25°	1302.6	1304.1	1300.5	1304.7	1305.6
27.5°	1271.3	1271.3	1268.1	1270.2	1267.5
30°	1235.4	1233.3	1231.2	1231.6	1229.1
32.5°	1192.0	1192.0	1191.1	1191.1	1187.9
35°	1147.3	1148.3	1146.2	1145.6	1144.1
37.5°	1099.3	1101.0	1097.2	1096.2	1095.1
40°	1044.6	1044.6	1043.0	1041.0	1038.3
42.5°	987.8	987.8	981.1	975.8	972.2
45°	917.0	919.0	910.2	908.1	900.9
47.5°	846.5	845.0	833.1	831.6	827.4
50°	771.6	762.7	745.6	750.2	754.0
52.5°	696.6	685.6	660.7	665.8	672.0
55°	628.3	606.5	577.4	584.6	603.3
57.5°	556.9	527.8	498.6	512.2	535.5
60°	493.9	461.1	429.3	443.9	471.0
62.5°	433.5	398.7	373.1	387.1	410.0
65°	373.1	344.3	324.6	335.4	358.0
67.5°	317.8	298.5	285.1	290.2	308.4
70°	267.9	255.7	248.5	250.1	260.5
72.5°	220.3	217.3	214.7	214.7	215.6
75°	179.3	180.8	182.3	179.8	175.7
77.5°	141.2	146.3	150.1	144.8	139.7
80°	103.7	112.1	116.8	110.9	103.2
82.5°	70.8	80.3	81.8	78.2	69.3
85°	39.0	45.8	46.4	44.9	39.0
87.5°	14.6	17.2	18.7	17.2	15.1
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)