

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: P1046909

Luminaire Tested: 22PTR-45-PP3-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PP3-L930-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

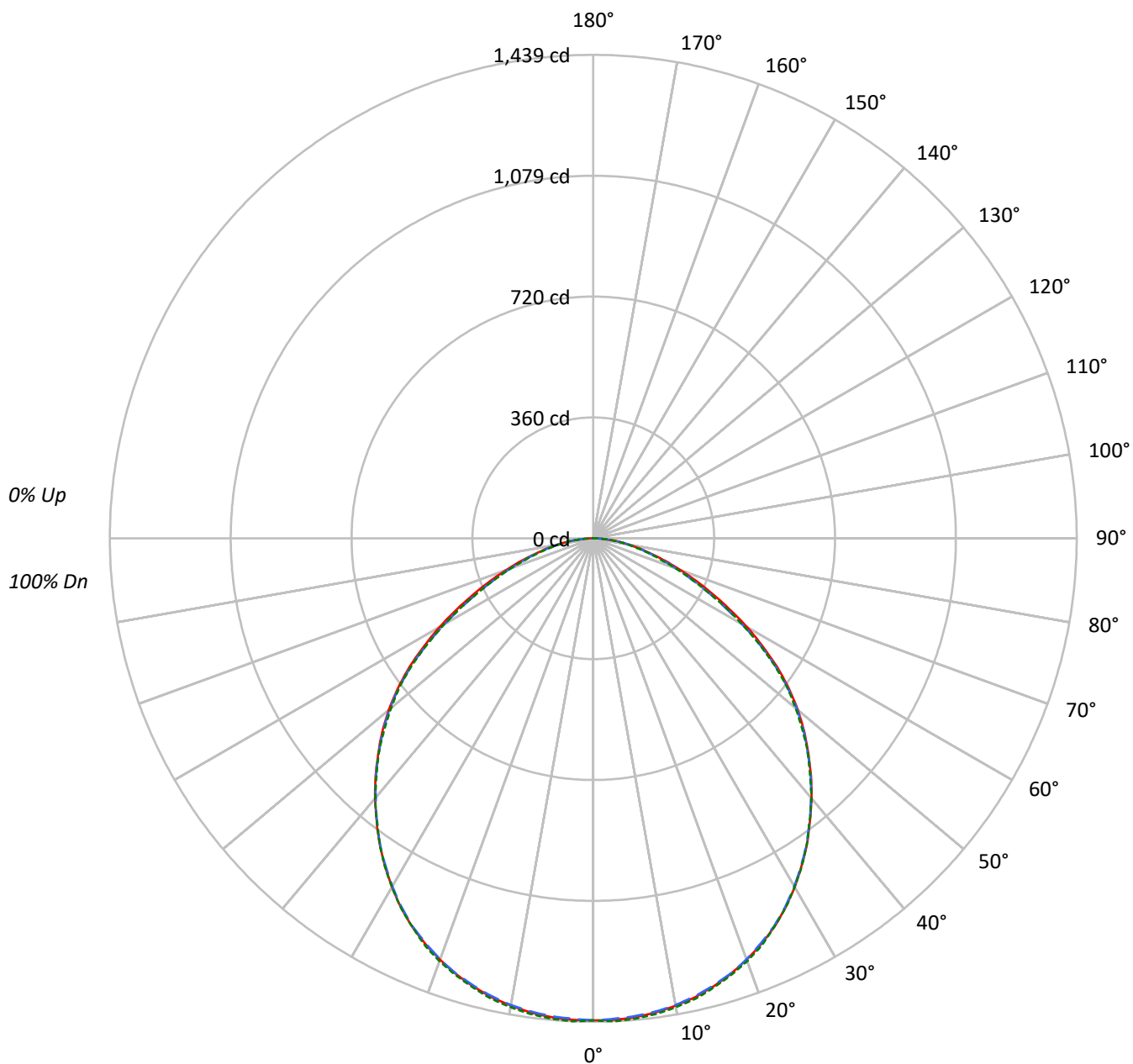
Lumens per Lamp: N/A
Luminaire Lumens: 3708.3 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	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°	136.1	3.7
10°-20°	389.9	10.5
20°-30°	587.1	15.8
30°-40°	692.9	18.7
40°-50°	696.8	18.8
50°-60°	588.3	15.9
60°-70°	377.8	10.2
70°-80°	187.9	5.1
80°-90°	51.5	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°	1113.1	30.0
0°-40°	1806.0	48.7
0°-60°	3091.1	83.4
0°-90°	3708.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3708.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1435	1435	1435	1435	1435	
5°	1431	1432	1428	1435	1436	136
15°	1381	1382	1378	1385	1385	390
25°	1276	1276	1274	1276	1275	587
35°	1109	1110	1108	1108	1108	693
45°	905	908	902	903	903	698
55°	668	667	660	657	658	594
65°	392	386	372	369	372	391
75°	180	179	173	171	169	194
85°	44	46	46	43	43	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1435.2	1435.2	1435.2	1435.2	1435.2
2.5°	1434.7	1435.2	1431.5	1438.3	1439.4
5°	1431.1	1431.5	1427.9	1434.7	1435.6
7.5°	1423.7	1424.3	1421.0	1427.3	1428.4
10°	1412.7	1414.4	1410.6	1416.5	1417.4
12.5°	1399.3	1399.8	1396.1	1402.9	1404.0
15°	1381.1	1381.5	1378.5	1384.7	1384.7
17.5°	1360.1	1360.7	1358.6	1363.9	1363.3
20°	1334.7	1336.2	1333.6	1337.2	1339.3
22.5°	1307.1	1307.7	1304.4	1309.2	1311.3
25°	1275.9	1276.2	1273.8	1276.2	1275.3
27.5°	1239.3	1240.3	1236.7	1239.3	1239.9
30°	1198.6	1201.3	1196.2	1198.2	1198.6
32.5°	1154.9	1156.4	1152.8	1153.4	1156.0
35°	1109.1	1109.7	1107.6	1108.5	1108.5
37.5°	1059.7	1061.8	1058.5	1060.1	1058.0
40°	1010.7	1008.6	1007.4	1008.6	1010.1
42.5°	959.0	959.5	958.0	956.9	954.4
45°	904.8	908.1	902.2	903.3	903.3
47.5°	851.8	852.2	849.2	846.0	843.9
50°	795.0	795.0	791.3	788.8	785.6
52.5°	733.0	732.0	727.8	725.2	726.7
55°	667.8	667.3	660.1	657.4	658.0
57.5°	596.5	597.6	586.6	584.0	584.0
60°	528.3	523.0	510.5	506.9	511.5
62.5°	456.8	450.5	437.1	437.1	440.7
65°	392.2	386.5	372.5	368.7	372.0
67.5°	331.8	326.5	313.7	311.6	312.5
70°	274.5	269.9	262.0	257.3	259.0
72.5°	225.1	220.9	215.6	212.0	209.9
75°	179.6	178.7	173.0	171.3	169.2
77.5°	142.2	141.8	137.1	135.0	132.9
80°	106.8	106.2	105.2	102.0	100.5
82.5°	76.1	76.1	75.5	72.9	71.4
85°	44.3	45.8	45.8	43.2	43.2
87.5°	17.8	18.7	17.8	17.8	17.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)