

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: P1046914

Luminaire Tested: 22PTR-45-PP3-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046914
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-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

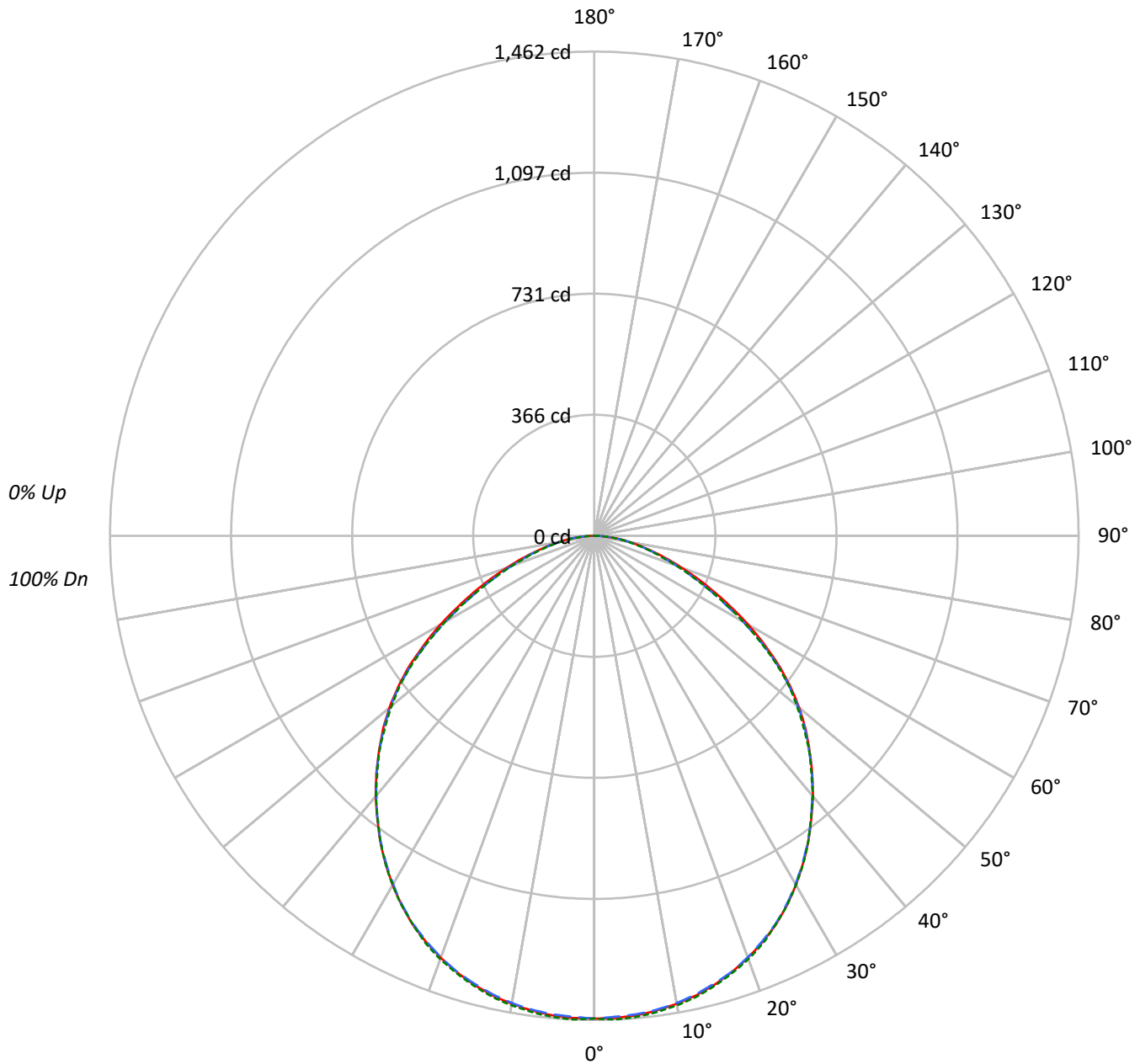
Lumens per Lamp: N/A
Luminaire Lumens: 3766.5 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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°	138.2	3.7
10°-20°	396.1	10.5
20°-30°	596.3	15.8
30°-40°	703.8	18.7
40°-50°	707.8	18.8
50°-60°	597.5	15.9
60°-70°	383.7	10.2
70°-80°	190.9	5.1
80°-90°	52.3	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°	1130.6	30.0
0°-40°	1834.3	48.7
0°-60°	3139.6	83.4
0°-90°	3766.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3766.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1454	1454	1450	1457	1458	138
15°	1403	1403	1400	1406	1406	396
25°	1296	1296	1294	1296	1295	596
35°	1126	1127	1125	1126	1126	704
45°	919	922	916	918	918	709
55°	678	678	670	668	668	603
65°	398	393	378	374	378	397
75°	182	182	176	174	172	197
85°	45	46	46	44	44	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1457.8	1457.8	1457.8	1457.8	1457.8
2.5°	1457.2	1457.8	1453.9	1460.8	1462.0
5°	1453.5	1453.9	1450.3	1457.2	1458.2
7.5°	1446.0	1446.6	1443.3	1449.7	1450.8
10°	1434.9	1436.6	1432.8	1438.7	1439.7
12.5°	1421.2	1421.8	1418.0	1424.9	1426.0
15°	1402.8	1403.2	1400.1	1406.4	1406.4
17.5°	1381.4	1382.0	1379.9	1385.3	1384.7
20°	1355.7	1357.2	1354.5	1358.2	1360.3
22.5°	1327.6	1328.2	1324.9	1329.7	1331.8
25°	1295.9	1296.3	1293.8	1296.3	1295.3
27.5°	1258.8	1259.7	1256.1	1258.8	1259.3
30°	1217.4	1220.1	1214.9	1217.0	1217.4
32.5°	1173.0	1174.6	1170.9	1171.5	1174.2
35°	1126.5	1127.1	1125.0	1125.9	1125.9
37.5°	1076.3	1078.4	1075.2	1076.7	1074.6
40°	1026.5	1024.4	1023.2	1024.4	1025.9
42.5°	974.0	974.6	973.1	971.9	969.4
45°	919.0	922.3	916.3	917.5	917.5
47.5°	865.2	865.6	862.5	859.2	857.1
50°	807.5	807.5	803.7	801.2	797.9
52.5°	744.5	743.5	739.3	736.6	738.1
55°	678.3	677.7	670.4	667.7	668.3
57.5°	605.8	607.0	595.8	593.1	593.1
60°	536.6	531.2	518.5	514.9	519.5
62.5°	463.9	457.6	443.9	443.9	447.6
65°	398.4	392.6	378.4	374.5	377.8
67.5°	337.0	331.7	318.6	316.5	317.4
70°	278.8	274.2	266.1	261.3	263.0
72.5°	228.6	224.4	219.0	215.3	213.2
75°	182.5	181.5	175.7	174.0	171.9
77.5°	144.4	144.0	139.2	137.1	135.0
80°	108.4	107.9	106.9	103.6	102.1
82.5°	77.3	77.3	76.7	74.0	72.5
85°	45.0	46.5	46.5	43.8	43.8
87.5°	18.1	19.0	18.1	18.1	17.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)