

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: P1046747

Luminaire Tested: 22PTR-50-PB1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PB1-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

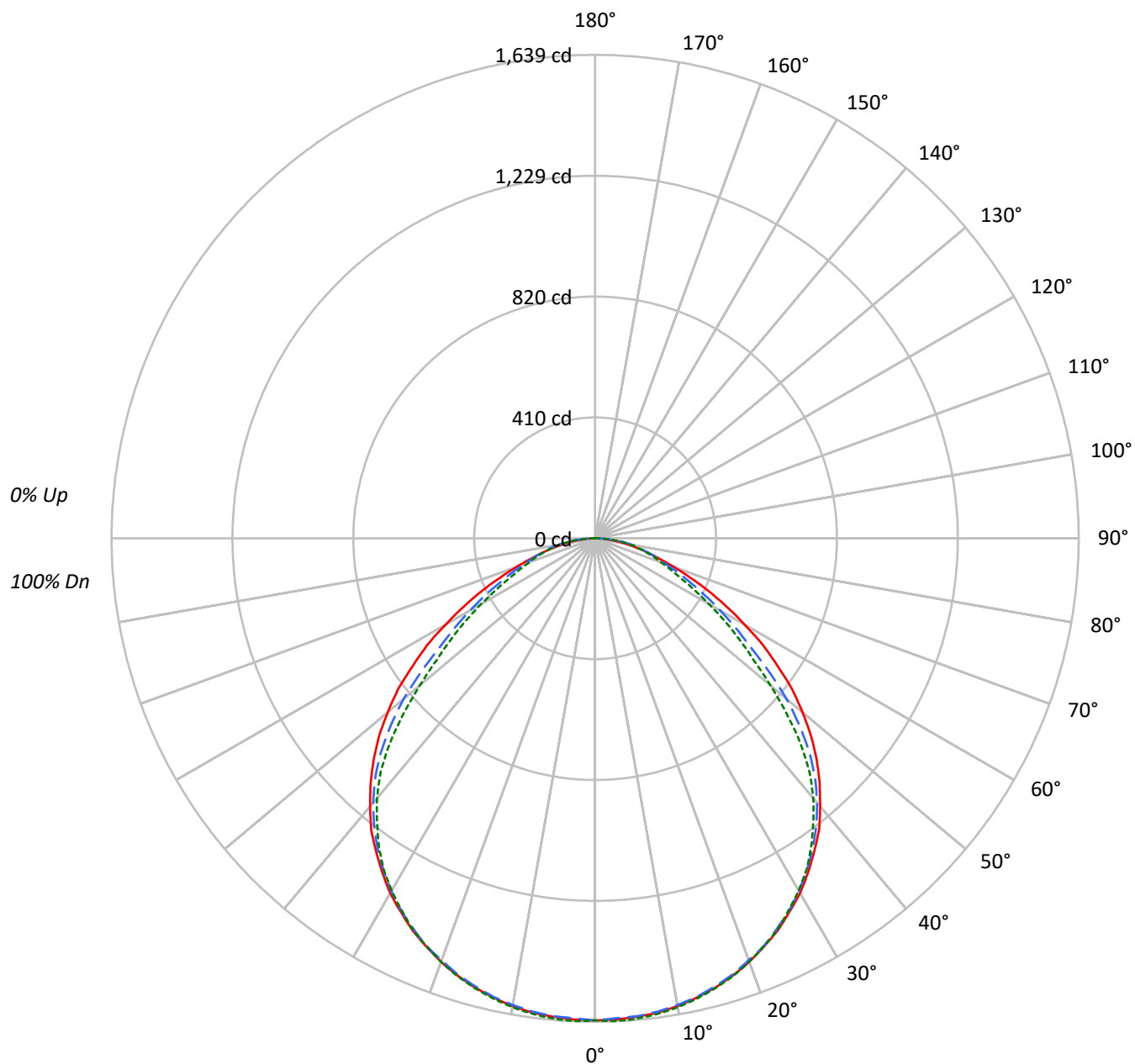
Lumens per Lamp: N/A
Luminaire Lumens: 4076.0 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
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

TEST NUMBER: P1046747

CATALOG NUMBER: 22PTR-50-PB1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046747

CATALOG NUMBER: 22PTR-50-PB1-L935-UNV-STD-W

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

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: -

TEST NUMBER: P1046747

CATALOG NUMBER: 22PTR-50-PB1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.0	3.8
10°-20°	444.7	10.9
20°-30°	673.7	16.5
30°-40°	802.7	19.7
40°-50°	785.0	19.3
50°-60°	593.8	14.6
60°-70°	364.8	8.9
70°-80°	194.3	4.8
80°-90°	62.0	1.5
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°	1273.4	31.2
0°-40°	2076.1	50.9
0°-60°	3454.8	84.8
0°-90°	4076.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4076.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1635	1635	1635	1635	1635	
5°	1628	1631	1627	1633	1635	155
15°	1576	1578	1572	1578	1578	445
25°	1466	1464	1460	1462	1464	675
35°	1295	1293	1285	1279	1277	810
45°	1062	1056	1027	993	985	817
55°	754	716	642	605	595	675
65°	424	390	358	330	320	422
75°	181	183	185	179	175	194
85°	40	52	64	60	56	48
90°	0	0	0	0	0	

TEST NUMBER: P1046747

CATALOG NUMBER: 22PTR-50-PB1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1634.6	1634.6	1634.6	1634.6	1634.6
2.5°	1632.7	1634.6	1628.5	1636.7	1638.6
5°	1628.5	1630.6	1626.6	1632.7	1634.6
7.5°	1622.6	1622.6	1618.6	1624.5	1626.6
10°	1610.6	1610.6	1606.5	1612.5	1614.6
12.5°	1594.5	1594.5	1592.4	1596.4	1598.5
15°	1576.4	1578.3	1572.3	1578.3	1578.3
17.5°	1554.2	1552.3	1550.2	1554.2	1556.3
20°	1528.0	1528.0	1522.1	1526.1	1528.0
22.5°	1497.8	1497.8	1495.9	1497.8	1495.9
25°	1465.8	1463.6	1459.6	1461.7	1463.6
27.5°	1427.5	1427.5	1423.5	1423.5	1421.4
30°	1389.3	1387.2	1381.3	1377.3	1379.2
32.5°	1343.1	1341.0	1335.1	1331.1	1333.0
35°	1294.8	1292.9	1284.9	1278.7	1276.8
37.5°	1246.6	1240.5	1230.4	1222.4	1214.4
40°	1186.3	1180.2	1170.2	1152.1	1150.0
42.5°	1125.9	1120.0	1103.7	1081.8	1075.7
45°	1061.5	1055.6	1027.3	993.1	985.1
47.5°	993.1	983.2	938.9	896.7	880.6
50°	916.9	898.8	846.4	792.2	774.0
52.5°	842.4	810.3	742.0	693.6	675.7
55°	754.0	715.8	641.5	605.2	595.0
57.5°	675.7	623.3	563.0	526.9	518.8
60°	585.1	536.8	488.7	456.4	444.3
62.5°	502.6	460.4	420.3	392.0	378.0
65°	424.3	390.1	358.0	329.7	319.8
67.5°	347.9	329.7	303.5	281.6	275.5
70°	283.5	273.4	255.4	245.3	237.3
72.5°	225.2	229.2	217.2	213.2	207.1
75°	180.9	183.0	184.9	179.0	175.0
77.5°	136.8	146.7	154.7	150.7	146.7
80°	102.6	112.5	126.6	120.7	120.7
82.5°	70.3	82.5	94.6	90.6	88.4
85°	40.3	52.3	64.4	60.4	56.4
87.5°	16.0	26.2	28.1	28.1	26.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)