

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: P1046789

Luminaire Tested: 22PTR-50-PC3-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046789
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-50-PC3-L935-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

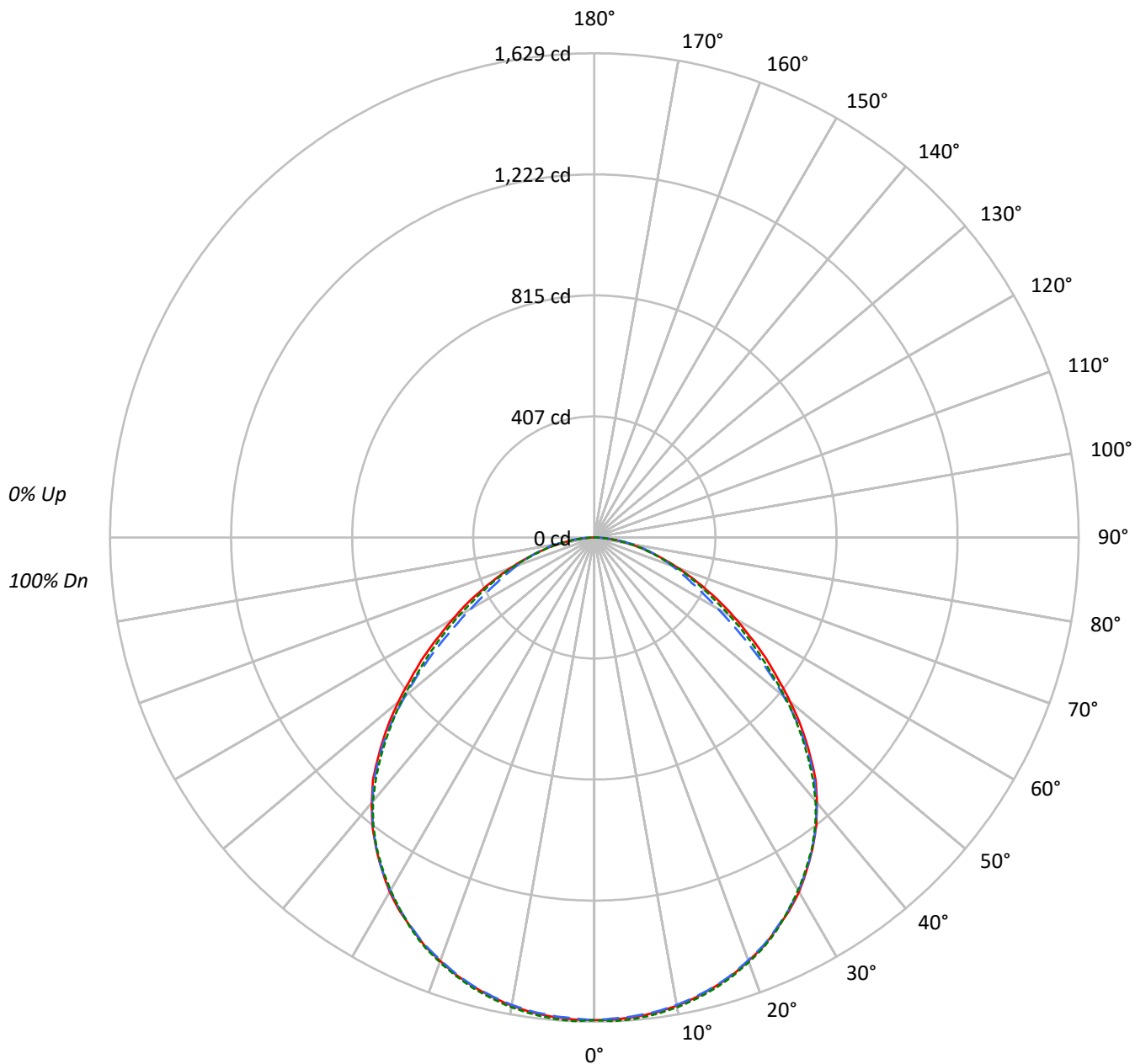
Lumens per Lamp: N/A
Luminaire Lumens: 4094.4 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.0	3.8
10°-20°	442.1	10.8
20°-30°	669.4	16.3
30°-40°	798.1	19.5
40°-50°	779.8	19.0
50°-60°	596.3	14.6
60°-70°	382.8	9.4
70°-80°	213.0	5.2
80°-90°	58.8	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°	1265.6	30.9
0°-40°	2063.6	50.4
0°-60°	3439.7	84.0
0°-90°	4094.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4094.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1618	1619	1615	1623	1625	154
15°	1565	1567	1564	1569	1571	442
25°	1452	1454	1450	1455	1456	670
35°	1279	1280	1278	1277	1276	799
45°	1022	1025	1015	1012	1004	787
55°	700	676	644	652	673	626
65°	416	384	362	374	399	415
75°	200	202	203	200	196	214
85°	44	51	52	50	44	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1623.0	1623.6	1619.4	1626.3	1628.7
5°	1618.3	1619.4	1615.4	1623.0	1624.7
7.5°	1611.4	1612.4	1608.4	1616.0	1616.6
10°	1599.8	1600.4	1596.8	1604.4	1605.5
12.5°	1584.1	1585.8	1581.8	1588.8	1589.2
15°	1565.4	1566.6	1563.7	1568.9	1570.6
17.5°	1543.4	1544.0	1541.1	1546.8	1547.4
20°	1516.0	1516.0	1513.6	1520.2	1520.2
22.5°	1488.1	1486.4	1485.8	1488.1	1491.7
25°	1452.2	1453.9	1449.9	1454.6	1455.6
27.5°	1417.4	1417.4	1413.8	1416.1	1413.2
30°	1377.3	1375.0	1372.7	1373.1	1370.3
32.5°	1329.0	1329.0	1327.9	1327.9	1324.3
35°	1279.2	1280.2	1277.9	1277.3	1275.6
37.5°	1225.6	1227.5	1223.2	1222.2	1220.9
40°	1164.6	1164.6	1162.9	1160.6	1157.6
42.5°	1101.3	1101.3	1093.9	1088.0	1083.9
45°	1022.3	1024.6	1014.7	1012.4	1004.4
47.5°	943.8	942.1	928.8	927.1	922.5
50°	860.2	850.3	831.3	836.4	840.6
52.5°	776.7	764.4	736.6	742.3	749.2
55°	700.5	676.2	643.7	651.7	672.6
57.5°	620.9	588.4	555.9	571.1	597.1
60°	550.6	514.1	478.7	494.9	525.1
62.5°	483.3	444.5	416.0	431.6	457.1
65°	416.0	383.9	361.9	374.0	399.1
67.5°	354.4	332.8	317.8	323.5	343.8
70°	298.6	285.1	277.1	278.8	290.4
72.5°	245.7	242.3	239.3	239.3	240.4
75°	199.9	201.6	203.2	200.5	195.9
77.5°	157.4	163.1	167.4	161.5	155.8
80°	115.7	124.9	130.2	123.7	115.0
82.5°	78.9	89.5	91.2	87.2	77.2
85°	43.5	51.1	51.7	50.0	43.5
87.5°	16.3	19.2	20.9	19.2	16.9
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)