

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: P1046877

Luminaire Tested: 22PTR-45-PLG-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046877
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PLG-L940-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

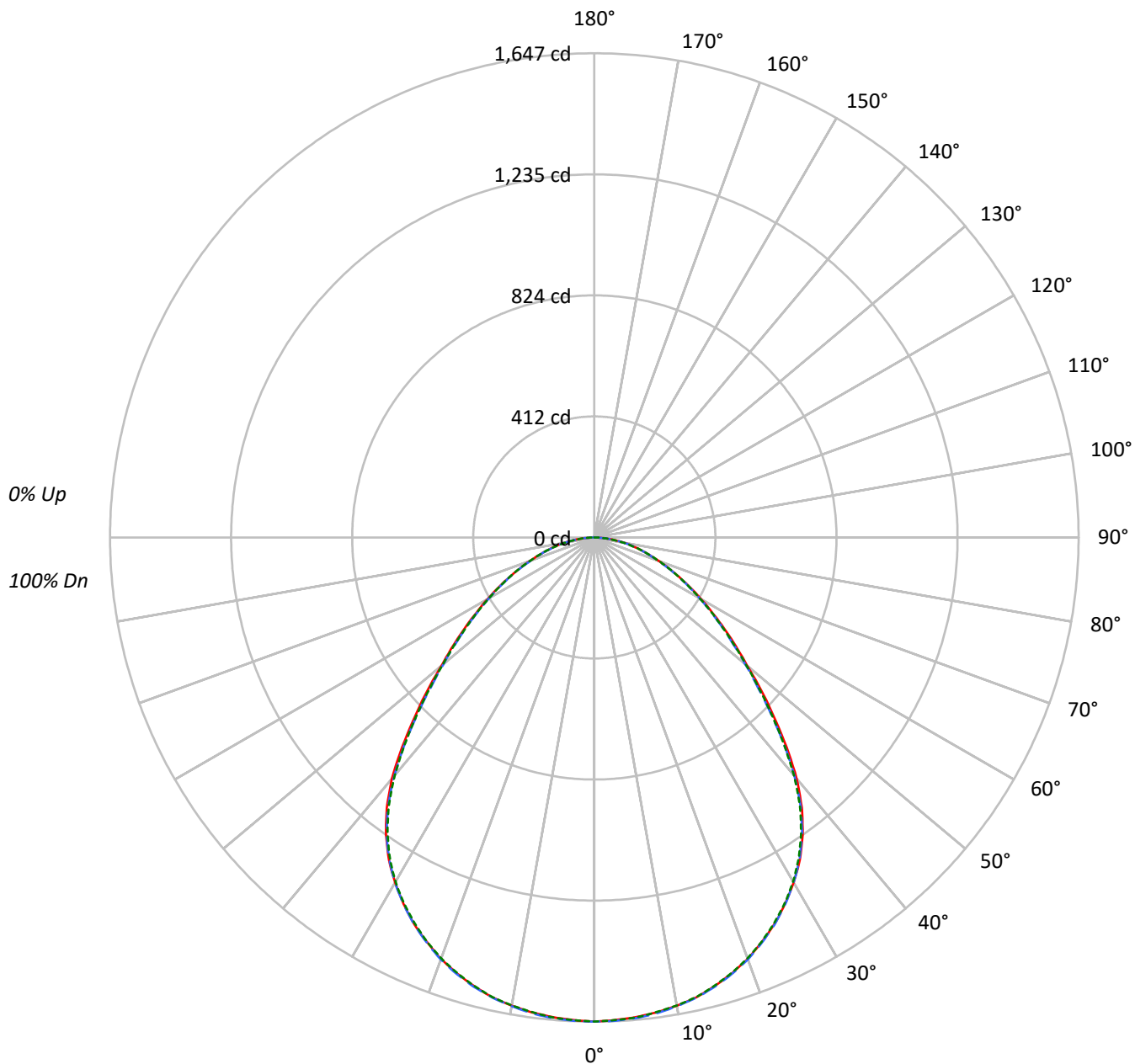
Lumens per Lamp: N/A
Luminaire Lumens: 3710.8 lumens
Efficiency: N/A
Efficacy: 106.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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°	155.9	4.2
10°-20°	446.1	12.0
20°-30°	667.6	18.0
30°-40°	764.8	20.6
40°-50°	661.5	17.8
50°-60°	478.7	12.9
60°-70°	315.3	8.5
70°-80°	171.6	4.6
80°-90°	49.2	1.3
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°	1269.6	34.2
0°-40°	2034.5	54.8
0°-60°	3174.7	85.6
0°-90°	3710.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3710.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1638	1641	1641	1641	1639	156
15°	1580	1581	1583	1585	1579	446
25°	1450	1450	1452	1453	1447	667
35°	1235	1234	1232	1231	1226	767
45°	864	861	850	849	853	669
55°	538	535	530	526	531	484
65°	318	320	316	313	317	317
75°	162	162	160	160	162	173
85°	43	43	43	44	39	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1646.9	1646.9	1646.9	1646.9	1646.9
2.5°	1643.3	1646.9	1645.7	1646.9	1643.3
5°	1637.5	1641.0	1641.0	1641.0	1638.7
7.5°	1629.3	1631.7	1632.8	1634.0	1628.2
10°	1617.6	1620.0	1618.8	1621.1	1616.5
12.5°	1602.4	1602.4	1603.6	1605.9	1601.3
15°	1580.2	1581.4	1582.6	1584.9	1579.1
17.5°	1554.5	1555.7	1556.9	1558.0	1553.3
20°	1525.3	1525.3	1527.6	1528.8	1523.0
22.5°	1489.1	1489.1	1491.4	1494.9	1487.9
25°	1450.5	1450.5	1451.7	1452.8	1447.0
27.5°	1404.9	1404.9	1406.1	1409.6	1402.6
30°	1355.8	1354.7	1355.8	1357.0	1352.3
32.5°	1300.9	1299.7	1298.5	1299.7	1293.9
35°	1235.4	1234.3	1231.9	1230.8	1226.1
37.5°	1159.5	1157.1	1152.4	1152.4	1147.8
40°	1070.6	1064.8	1058.9	1056.6	1055.4
42.5°	967.8	963.1	954.9	953.7	953.7
45°	863.8	861.4	849.7	848.6	853.2
47.5°	770.2	764.4	753.9	751.5	758.6
50°	677.9	679.1	669.7	666.2	673.2
52.5°	605.4	603.1	594.9	592.6	598.4
55°	537.7	535.3	529.5	526.0	530.6
57.5°	475.7	474.5	468.7	467.5	469.9
60°	419.6	418.4	413.8	412.6	413.8
62.5°	367.0	367.0	362.3	360.0	363.5
65°	317.9	320.3	315.6	313.2	316.7
67.5°	273.5	275.8	271.2	268.8	273.5
70°	231.4	233.8	229.1	226.7	231.4
72.5°	195.2	196.4	192.9	191.7	197.5
75°	162.5	162.5	160.1	160.1	162.5
77.5°	132.1	130.9	129.7	129.7	127.4
80°	101.7	100.5	100.5	100.5	97.0
82.5°	72.5	70.1	71.3	72.5	66.6
85°	43.2	43.2	43.2	44.4	38.6
87.5°	17.5	17.5	16.4	17.5	15.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)