

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: P1046962

Luminaire Tested: 22PTR-50-PR1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046962
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PR1-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

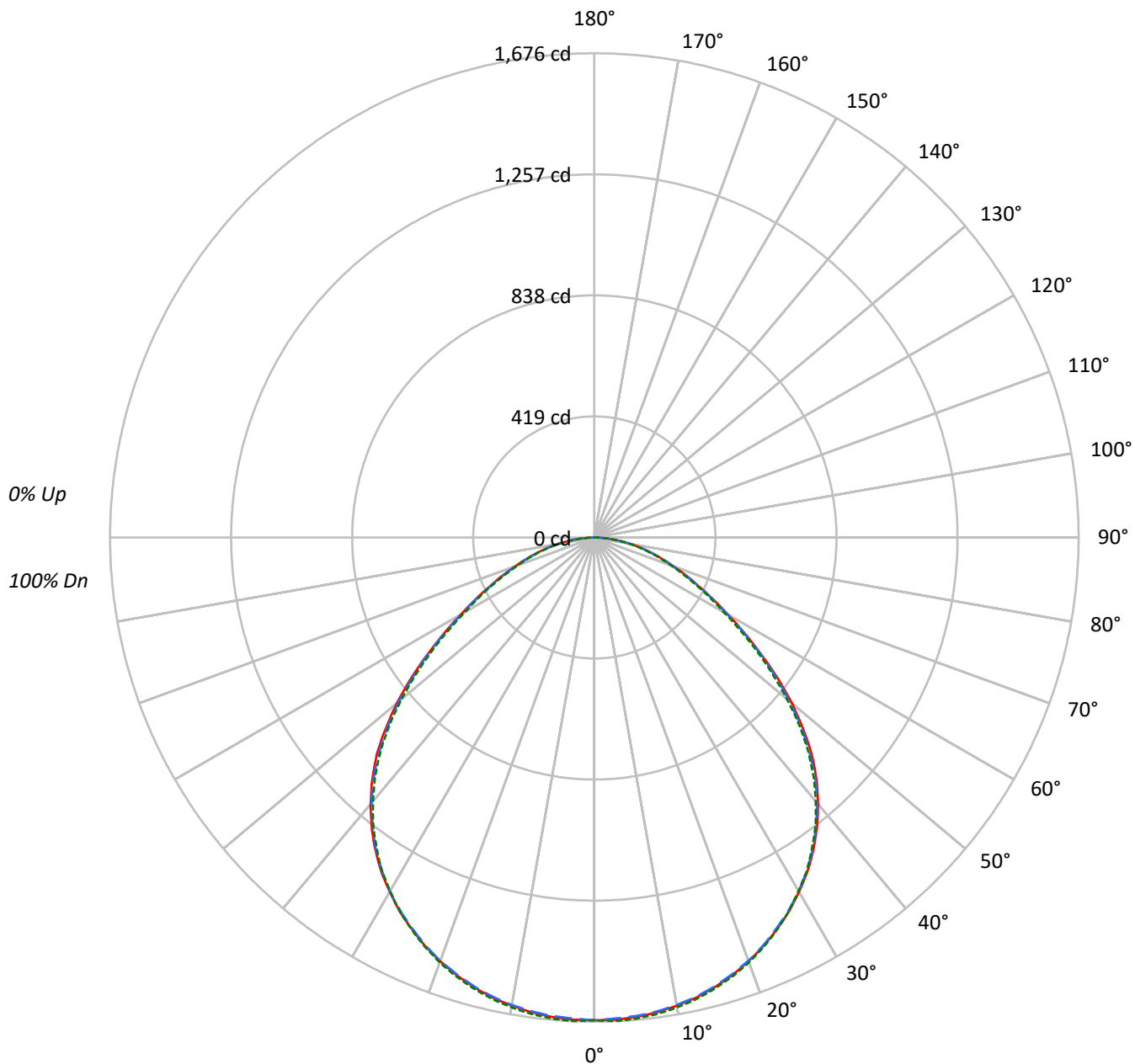
Lumens per Lamp: N/A
Luminaire Lumens: 4226.3 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (A_{in}): 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: P1046962

CATALOG NUMBER: 22PTR-50-PR1-L940-UNV-STD-W

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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	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: P1046962

CATALOG NUMBER: 22PTR-50-PR1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.5	3.8
10°-20°	455.0	10.8
20°-30°	689.3	16.3
30°-40°	822.9	19.5
40°-50°	809.2	19.1
50°-60°	625.4	14.8
60°-70°	394.4	9.3
70°-80°	213.3	5.0
80°-90°	58.3	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°	1302.8	30.8
0°-40°	2125.6	50.3
0°-60°	3560.3	84.2
0°-90°	4226.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4226.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1671	1671	1671	1671	1671	
5°	1666	1667	1663	1670	1672	158
15°	1611	1612	1609	1614	1616	455
25°	1496	1497	1492	1497	1498	689
35°	1321	1322	1318	1317	1313	825
45°	1066	1061	1054	1045	1046	816
55°	704	710	701	689	687	632
65°	397	398	395	388	387	400
75°	204	202	200	201	196	217
85°	50	50	49	50	47	59
90°	0	0	0	0	0	

TEST NUMBER: P1046962

CATALOG NUMBER: 22PTR-50-PR1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1671.1	1671.1	1671.1	1671.1	1671.1
2.5°	1670.5	1671.1	1666.4	1674.2	1675.9
5°	1666.4	1667.0	1662.7	1669.8	1671.8
7.5°	1657.9	1659.2	1655.0	1662.2	1664.0
10°	1645.9	1647.2	1643.1	1650.2	1652.0
12.5°	1631.1	1631.5	1628.0	1634.6	1636.3
15°	1611.3	1611.7	1608.9	1614.1	1616.5
17.5°	1588.4	1589.1	1585.0	1591.5	1592.6
20°	1561.0	1561.5	1559.1	1564.5	1565.2
22.5°	1530.3	1531.6	1527.9	1532.7	1533.4
25°	1495.7	1496.8	1492.0	1496.8	1497.5
27.5°	1459.2	1459.6	1455.5	1459.2	1458.5
30°	1416.5	1420.2	1414.8	1413.5	1413.0
32.5°	1372.3	1372.8	1367.6	1366.2	1368.6
35°	1321.4	1321.9	1318.4	1316.6	1312.9
37.5°	1265.7	1265.7	1259.0	1257.9	1257.2
40°	1204.6	1203.9	1199.8	1195.6	1191.3
42.5°	1138.0	1139.3	1130.8	1123.6	1122.5
45°	1065.5	1061.4	1053.5	1045.3	1045.9
47.5°	980.0	981.1	970.4	963.6	961.9
50°	891.2	891.2	881.2	874.0	870.3
52.5°	798.5	799.1	789.5	780.0	778.0
55°	703.8	709.7	700.8	689.4	687.0
57.5°	615.2	620.0	611.5	599.6	598.9
60°	533.2	533.6	531.2	519.9	516.9
62.5°	463.1	460.1	458.8	452.9	449.2
65°	397.2	397.8	394.8	388.0	386.9
67.5°	343.8	343.2	337.8	333.6	331.2
70°	291.6	289.9	287.5	284.0	281.6
72.5°	245.0	245.0	243.1	242.0	237.9
75°	204.3	202.0	199.6	200.6	195.9
77.5°	165.4	163.0	161.0	158.6	157.6
80°	125.1	122.7	123.4	119.7	119.3
82.5°	86.8	86.8	85.7	82.7	83.4
85°	49.6	50.3	49.2	49.6	47.2
87.5°	18.1	18.5	19.8	18.5	18.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)