

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: P1046952

Luminaire Tested: 22PTR-50-PR1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046952
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-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

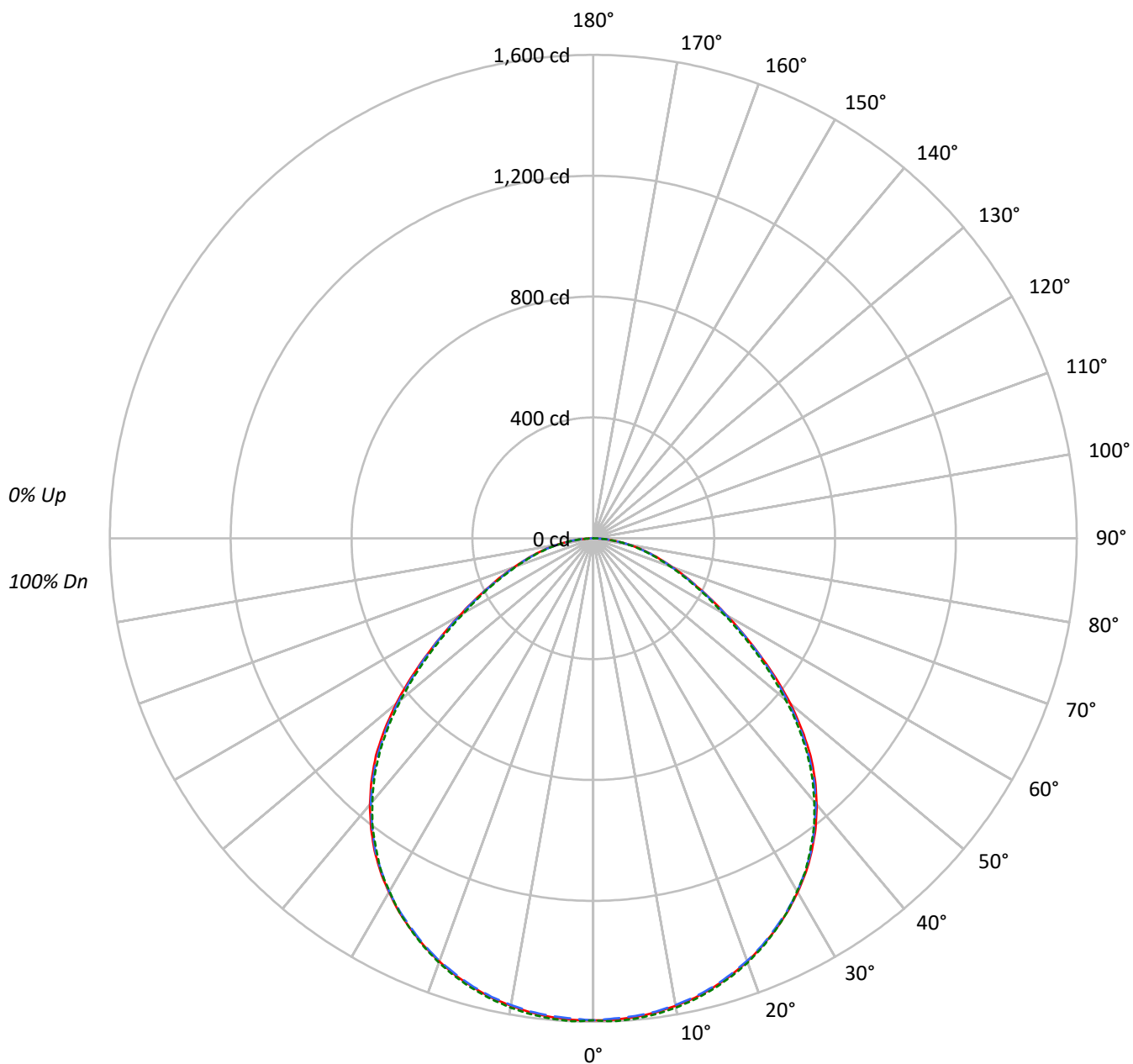
Lumens per Lamp: N/A
Luminaire Lumens: 4035.3 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (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: P1046952

CATALOG NUMBER: 22PTR-50-PR1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046952

CATALOG NUMBER: 22PTR-50-PR1-L930-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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		78	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	45	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			39	33	29			39

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: P1046952

CATALOG NUMBER: 22PTR-50-PR1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	3.8
10°-20°	434.4	10.8
20°-30°	658.1	16.3
30°-40°	785.7	19.5
40°-50°	772.6	19.1
50°-60°	597.2	14.8
60°-70°	376.6	9.3
70°-80°	203.7	5.0
80°-90°	55.7	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°	1243.9	30.8
0°-40°	2029.5	50.3
0°-60°	3399.4	84.2
0°-90°	4035.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4035.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1596	1596	1596	1596	1596	
5°	1591	1592	1588	1594	1596	151
15°	1538	1539	1536	1541	1543	434
25°	1428	1429	1425	1429	1430	658
35°	1262	1262	1259	1257	1254	788
45°	1017	1013	1006	998	999	779
55°	672	678	669	658	656	603
65°	379	380	377	370	369	382
75°	195	193	190	192	187	207
85°	47	48	47	47	45	56
90°	0	0	0	0	0	

TEST NUMBER: P1046952

CATALOG NUMBER: 22PTR-50-PR1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1595.6	1595.6	1595.6	1595.6	1595.6
2.5°	1595.0	1595.6	1591.0	1598.5	1600.1
5°	1591.0	1591.6	1587.5	1594.3	1596.2
7.5°	1582.9	1584.2	1580.2	1587.1	1588.7
10°	1571.5	1572.7	1568.8	1575.6	1577.3
12.5°	1557.3	1557.8	1554.4	1560.7	1562.3
15°	1538.4	1538.9	1536.2	1541.1	1543.4
17.5°	1516.6	1517.2	1513.3	1519.5	1520.6
20°	1490.4	1490.9	1488.6	1493.8	1494.4
22.5°	1461.1	1462.4	1458.9	1463.4	1464.1
25°	1428.1	1429.1	1424.6	1429.1	1429.8
27.5°	1393.2	1393.6	1389.7	1393.2	1392.6
30°	1352.5	1356.0	1350.8	1349.6	1349.1
32.5°	1310.3	1310.7	1305.7	1304.5	1306.8
35°	1261.7	1262.1	1258.8	1257.1	1253.6
37.5°	1208.5	1208.5	1202.0	1201.0	1200.4
40°	1150.1	1149.5	1145.5	1141.6	1137.4
42.5°	1086.5	1087.8	1079.6	1072.8	1071.8
45°	1017.3	1013.4	1005.9	998.0	998.6
47.5°	935.7	936.7	926.5	920.1	918.4
50°	850.9	850.9	841.3	834.5	830.9
52.5°	762.4	763.0	753.8	744.7	742.8
55°	672.0	677.6	669.1	658.3	656.0
57.5°	587.4	592.0	583.9	572.4	571.8
60°	509.1	509.5	507.2	496.4	493.5
62.5°	442.2	439.3	438.0	432.4	428.9
65°	379.2	379.8	376.9	370.5	369.4
67.5°	328.3	327.7	322.5	318.5	316.2
70°	278.4	276.8	274.5	271.2	268.9
72.5°	234.0	234.0	232.1	231.1	227.1
75°	195.1	192.8	190.5	191.6	187.0
77.5°	157.9	155.6	153.8	151.5	150.4
80°	119.5	117.2	117.8	114.3	113.9
82.5°	82.9	82.9	81.9	79.0	79.6
85°	47.4	48.0	47.0	47.4	45.1
87.5°	17.2	17.7	18.9	17.7	17.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)