

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: P1046742

Luminaire Tested: 22PTR-50-PB1-L930-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046742
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-L930-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

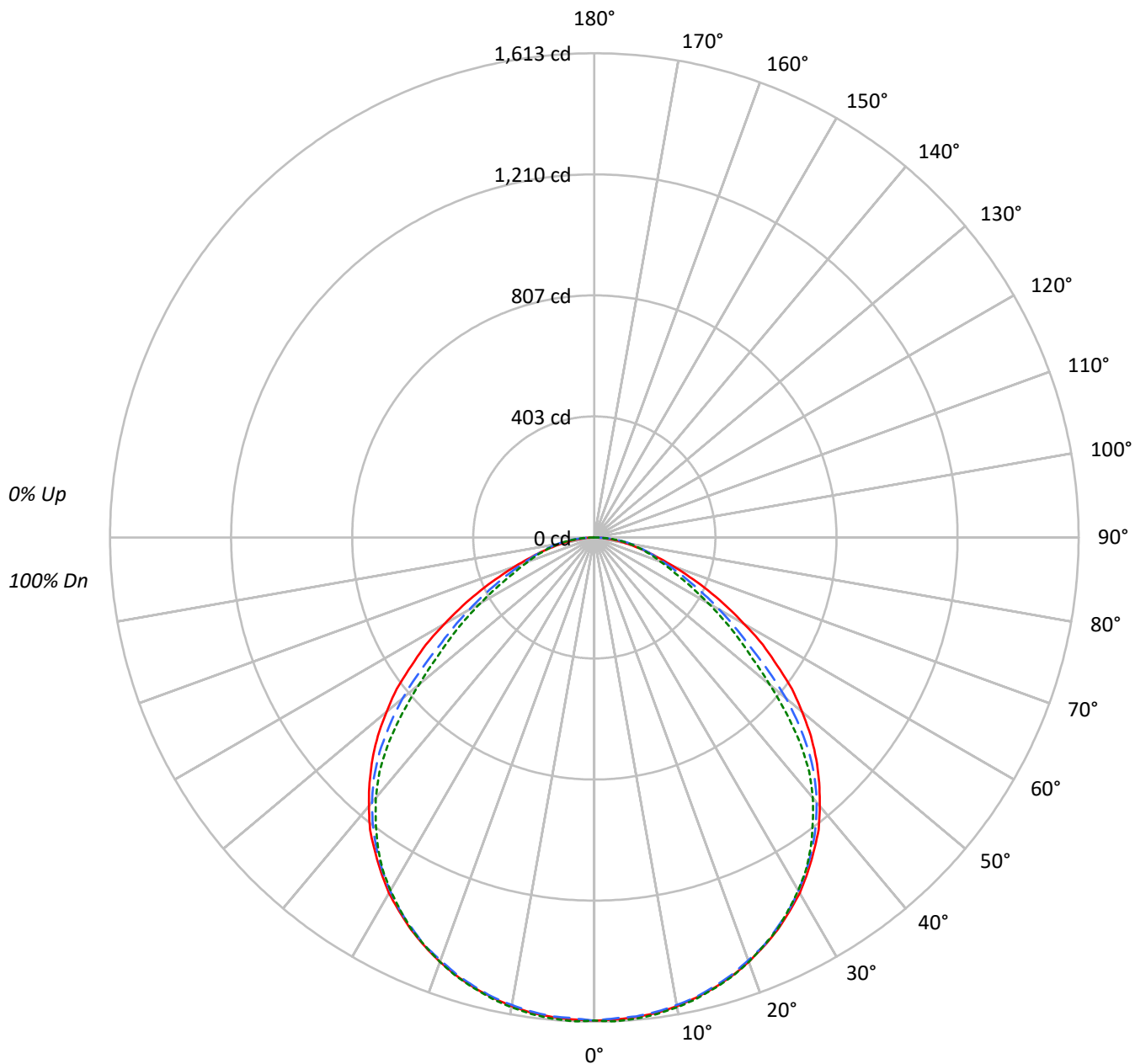
Lumens per Lamp: N/A
Luminaire Lumens: 4013.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (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: P1046742

CATALOG NUMBER: 22PTR-50-PB1-L930-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	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: P1046742

CATALOG NUMBER: 22PTR-50-PB1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	3.8
10°-20°	437.9	10.9
20°-30°	663.3	16.5
30°-40°	790.3	19.7
40°-50°	772.9	19.3
50°-60°	584.6	14.6
60°-70°	359.2	8.9
70°-80°	191.3	4.8
80°-90°	61.1	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°	1253.7	31.2
0°-40°	2044.1	50.9
0°-60°	3401.5	84.8
0°-90°	4013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1603	1605	1602	1608	1609	153
15°	1552	1554	1548	1554	1554	438
25°	1443	1441	1437	1439	1441	665
35°	1275	1273	1265	1259	1257	797
45°	1045	1039	1012	978	970	804
55°	742	705	632	596	586	665
65°	418	384	352	325	315	416
75°	178	180	182	176	172	191
85°	40	52	63	59	56	48
90°	0	0	0	0	0	

TEST NUMBER: P1046742

CATALOG NUMBER: 22PTR-50-PB1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1609.4	1609.4	1609.4	1609.4	1609.4
2.5°	1607.5	1609.4	1603.3	1611.4	1613.3
5°	1603.3	1605.4	1601.5	1607.5	1609.4
7.5°	1597.5	1597.5	1593.6	1599.4	1601.5
10°	1585.7	1585.7	1581.7	1587.5	1589.6
12.5°	1569.9	1569.9	1567.8	1571.7	1573.8
15°	1552.0	1553.9	1548.0	1553.9	1553.9
17.5°	1530.2	1528.3	1526.2	1530.2	1532.3
20°	1504.4	1504.4	1498.6	1502.5	1504.4
22.5°	1474.7	1474.7	1472.8	1474.7	1472.8
25°	1443.1	1441.0	1437.1	1439.1	1441.0
27.5°	1405.5	1405.5	1401.5	1401.5	1399.5
30°	1367.9	1365.8	1360.0	1356.0	1357.9
32.5°	1322.4	1320.3	1314.5	1310.5	1312.4
35°	1274.8	1272.9	1265.0	1259.0	1257.1
37.5°	1227.4	1221.4	1211.4	1203.5	1195.6
40°	1167.9	1161.9	1152.2	1134.3	1132.2
42.5°	1108.5	1102.7	1086.7	1065.1	1059.0
45°	1045.1	1039.3	1011.5	977.8	969.9
47.5°	977.8	968.0	924.4	882.8	867.0
50°	902.8	884.9	833.4	779.9	762.1
52.5°	829.4	797.8	730.5	682.9	665.2
55°	742.3	704.7	631.6	595.8	585.8
57.5°	665.2	613.7	554.3	518.7	510.8
60°	576.1	528.5	481.1	449.3	437.5
62.5°	494.8	453.3	413.8	385.9	372.2
65°	417.7	384.1	352.5	324.6	314.8
67.5°	342.5	324.6	298.8	277.2	271.2
70°	279.1	269.1	251.5	241.5	233.6
72.5°	221.7	225.7	213.8	209.9	203.9
75°	178.1	180.2	182.0	176.2	172.3
77.5°	134.7	144.4	152.3	148.4	144.4
80°	101.0	110.8	124.7	118.9	118.9
82.5°	69.2	81.3	93.1	89.2	87.1
85°	39.7	51.5	63.4	59.4	55.5
87.5°	15.8	25.8	27.6	27.6	25.8
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)