

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: P1047004

Luminaire Tested: 22PTR-50-PW1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047004
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PW1-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

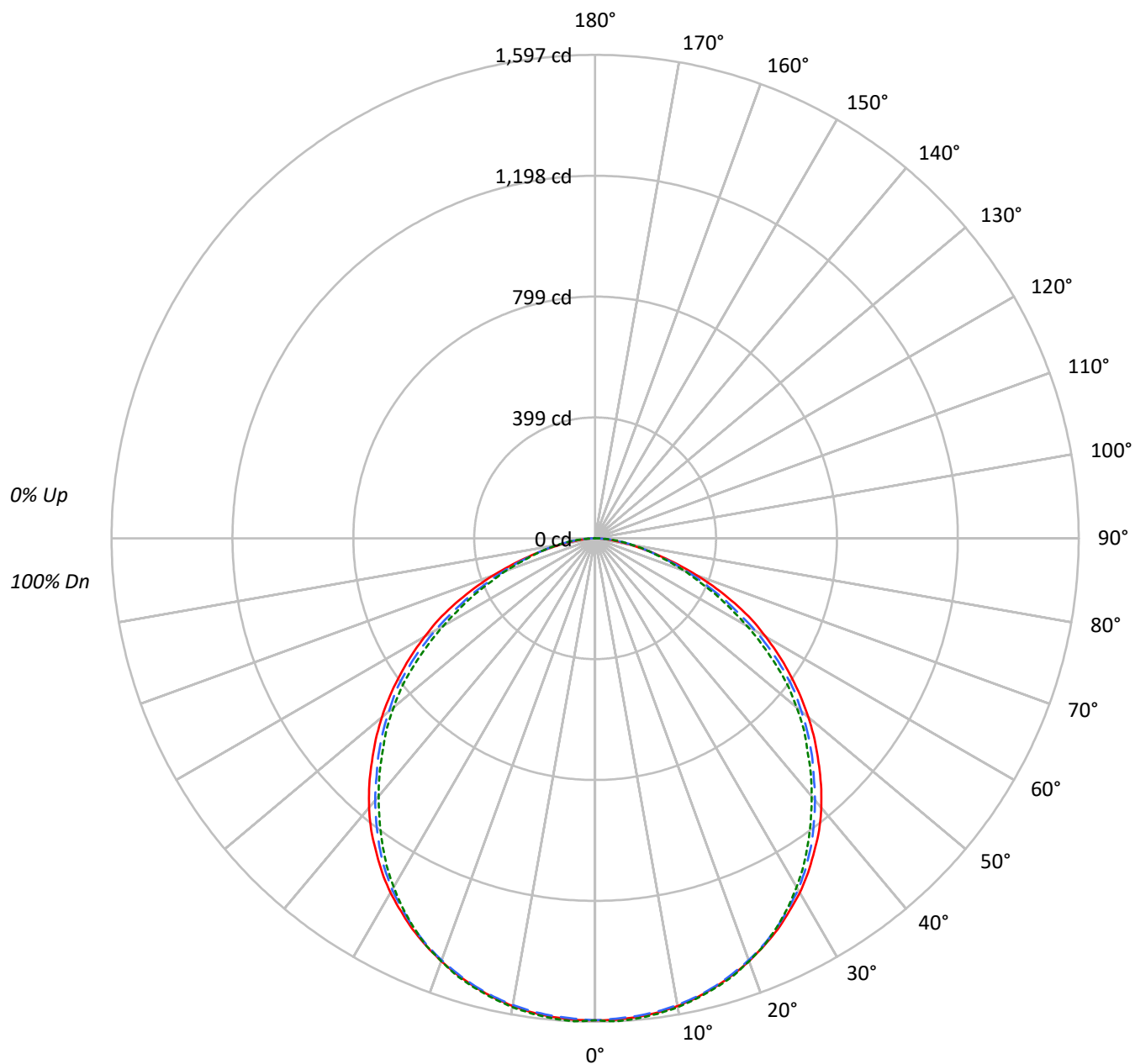
Lumens per Lamp: N/A
Luminaire Lumens: 4226.3 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

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°	151.0	3.6
10°-20°	433.2	10.3
20°-30°	654.7	15.5
30°-40°	777.4	18.4
40°-50°	783.2	18.5
50°-60°	677.0	16.0
60°-70°	462.7	10.9
70°-80°	228.2	5.4
80°-90°	59.0	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°	1238.9	29.3
0°-40°	2016.3	47.7
0°-60°	3476.4	82.3
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°	1592	1592	1592	1592	1592	
5°	1588	1588	1584	1591	1592	151
15°	1534	1536	1532	1537	1538	433
25°	1426	1424	1420	1421	1419	657
35°	1262	1257	1243	1231	1227	790
45°	1043	1031	1012	1000	991	805
55°	786	784	760	737	729	703
65°	508	490	461	441	438	502
75°	215	214	211	211	205	235
85°	41	48	52	54	52	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.5	1592.5	1592.5	1592.5	1592.5
2.5°	1592.1	1592.5	1588.5	1595.5	1597.3
5°	1587.8	1588.5	1584.4	1590.8	1592.5
7.5°	1580.3	1581.4	1576.7	1583.1	1584.4
10°	1569.0	1569.6	1565.5	1572.0	1573.2
12.5°	1553.7	1554.2	1550.7	1556.5	1556.5
15°	1534.2	1535.9	1531.9	1537.2	1537.6
17.5°	1512.3	1513.0	1508.9	1514.7	1516.0
20°	1486.4	1486.4	1483.0	1487.7	1486.4
22.5°	1457.4	1457.4	1453.4	1455.7	1456.8
25°	1425.7	1424.4	1419.7	1421.0	1418.6
27.5°	1389.0	1389.0	1380.7	1380.7	1376.6
30°	1352.0	1348.9	1340.2	1334.8	1330.7
32.5°	1309.3	1305.2	1294.1	1284.6	1281.6
35°	1261.7	1257.4	1242.6	1231.4	1226.7
37.5°	1215.6	1206.1	1186.6	1175.5	1170.1
40°	1161.8	1150.0	1130.0	1114.6	1112.2
42.5°	1104.1	1094.6	1068.7	1057.3	1054.5
45°	1042.8	1031.4	1011.9	1000.1	991.3
47.5°	982.5	974.1	951.8	937.7	934.7
50°	919.2	912.2	889.2	874.0	868.6
52.5°	853.8	849.1	829.6	810.1	803.7
55°	786.1	783.7	759.5	737.0	729.3
57.5°	719.4	716.4	686.2	660.2	653.1
60°	649.7	640.9	611.3	587.1	579.4
62.5°	583.7	564.8	532.8	514.0	505.2
65°	508.0	489.7	461.4	441.3	438.5
67.5°	433.8	411.9	390.0	377.6	368.2
70°	356.4	341.6	325.1	314.6	312.8
72.5°	284.3	273.8	265.5	259.0	253.7
75°	215.3	213.6	210.6	210.6	204.8
77.5°	158.2	162.3	164.7	164.0	165.3
80°	109.8	117.9	122.7	123.3	122.7
82.5°	69.7	79.1	86.8	87.9	89.2
85°	40.7	47.8	52.5	53.6	52.5
87.5°	18.2	22.9	24.2	25.3	24.2
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)