

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: P1046836

Luminaire Tested: 22PTR-50-PL1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046836
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PL1-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

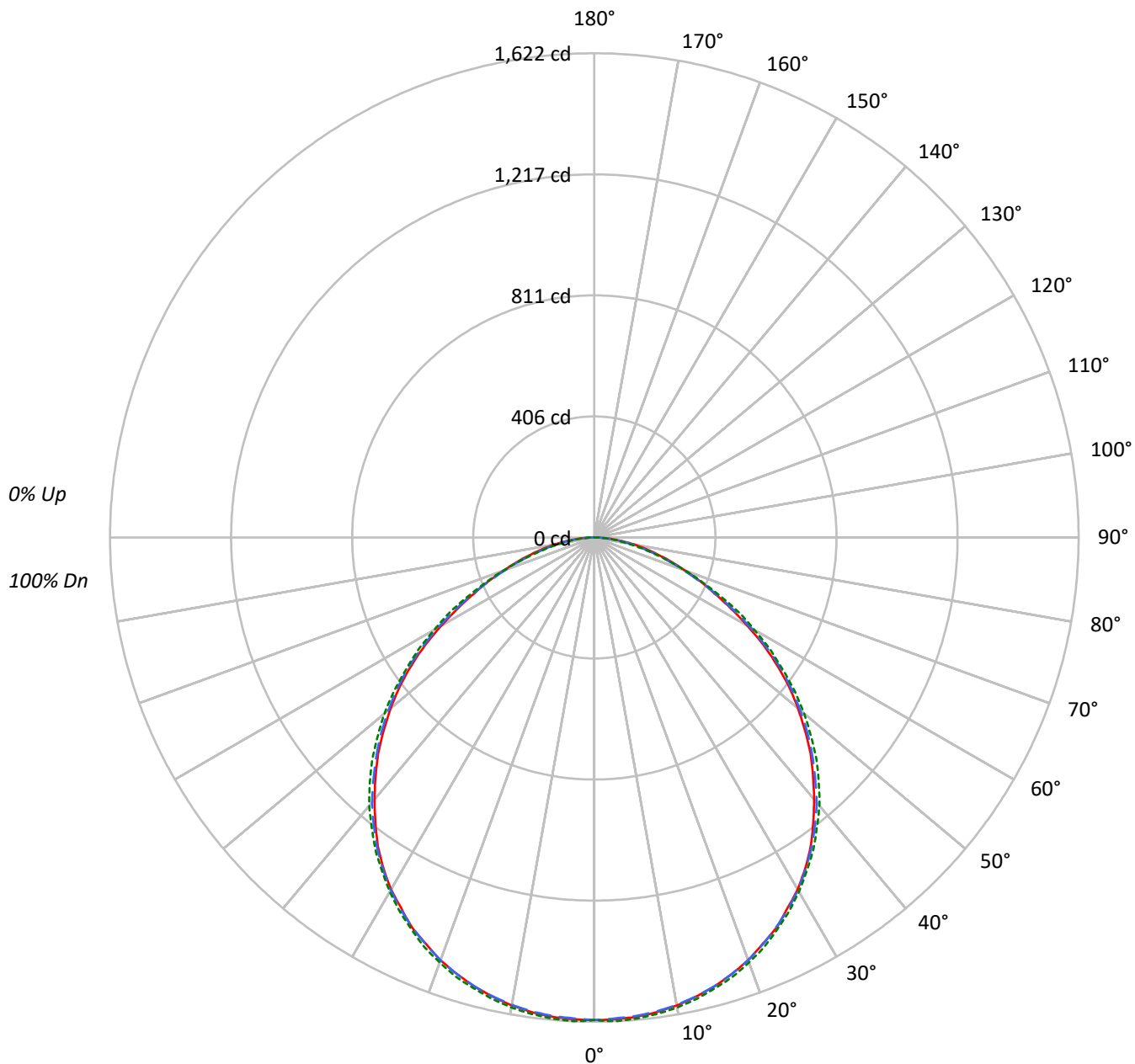
Lumens per Lamp: N/A
Luminaire Lumens: 4262.2 lumens
Efficiency: N/A
Efficacy: 109.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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°	153.4	3.6
10°-20°	439.9	10.3
20°-30°	665.4	15.6
30°-40°	793.1	18.6
40°-50°	797.6	18.7
50°-60°	676.9	15.9
60°-70°	450.7	10.6
70°-80°	225.0	5.3
80°-90°	60.2	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°	1258.7	29.5
0°-40°	2051.8	48.1
0°-60°	3526.3	82.7
0°-90°	4262.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4262.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1617	1617	1617	1617	1617	
5°	1612	1613	1609	1616	1618	153
15°	1556	1558	1556	1562	1564	439
25°	1443	1443	1441	1448	1449	664
35°	1263	1265	1268	1277	1278	788
45°	1024	1026	1032	1046	1052	788
55°	748	753	760	767	769	666
65°	444	448	449	455	467	445
75°	219	216	207	202	202	235
85°	57	56	52	48	44	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1616.9	1616.9	1616.9	1616.9	1616.9
2.5°	1615.6	1616.9	1612.6	1620.4	1622.4
5°	1612.2	1612.6	1609.1	1616.3	1618.0
7.5°	1604.3	1605.0	1601.3	1609.1	1610.2
10°	1591.7	1593.0	1589.9	1597.1	1598.9
12.5°	1575.6	1577.3	1574.3	1582.1	1583.4
15°	1556.4	1558.2	1555.8	1562.3	1563.6
17.5°	1532.9	1534.2	1532.9	1539.0	1542.5
20°	1506.6	1506.6	1506.6	1512.0	1515.1
22.5°	1473.7	1476.8	1475.4	1482.6	1485.7
25°	1443.2	1443.2	1441.3	1448.0	1449.1
27.5°	1400.6	1405.4	1404.9	1410.8	1412.1
30°	1361.6	1362.9	1363.6	1367.7	1370.1
32.5°	1314.4	1315.5	1317.4	1323.3	1323.9
35°	1263.4	1264.7	1268.2	1277.1	1278.4
37.5°	1204.2	1210.7	1213.8	1223.4	1224.5
40°	1144.8	1148.9	1158.1	1168.1	1172.9
42.5°	1084.3	1089.1	1094.5	1108.2	1112.6
45°	1023.8	1025.5	1032.2	1046.0	1052.1
47.5°	956.7	962.2	968.0	980.0	983.7
50°	889.7	895.5	899.2	909.9	917.1
52.5°	822.0	827.4	831.5	838.1	845.3
55°	747.7	753.0	759.7	766.9	768.6
57.5°	672.2	678.1	682.4	690.1	697.9
60°	591.2	598.0	603.8	611.0	618.9
62.5°	515.9	518.7	524.8	536.8	548.1
65°	443.9	447.6	448.6	455.4	466.7
67.5°	384.0	384.0	378.5	380.9	393.6
70°	321.1	318.7	314.6	312.2	322.4
72.5°	270.1	267.1	258.2	254.0	259.5
75°	219.2	216.2	206.6	201.8	202.4
77.5°	176.1	171.3	163.5	155.2	153.5
80°	133.7	131.7	124.1	116.2	110.1
82.5°	94.7	90.6	86.2	81.4	76.6
85°	56.8	55.7	51.6	48.5	44.4
87.5°	23.3	23.3	22.2	20.9	19.8
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)