

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: P1046794

Luminaire Tested: 22PTR-50-PC3-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PC3-L940-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

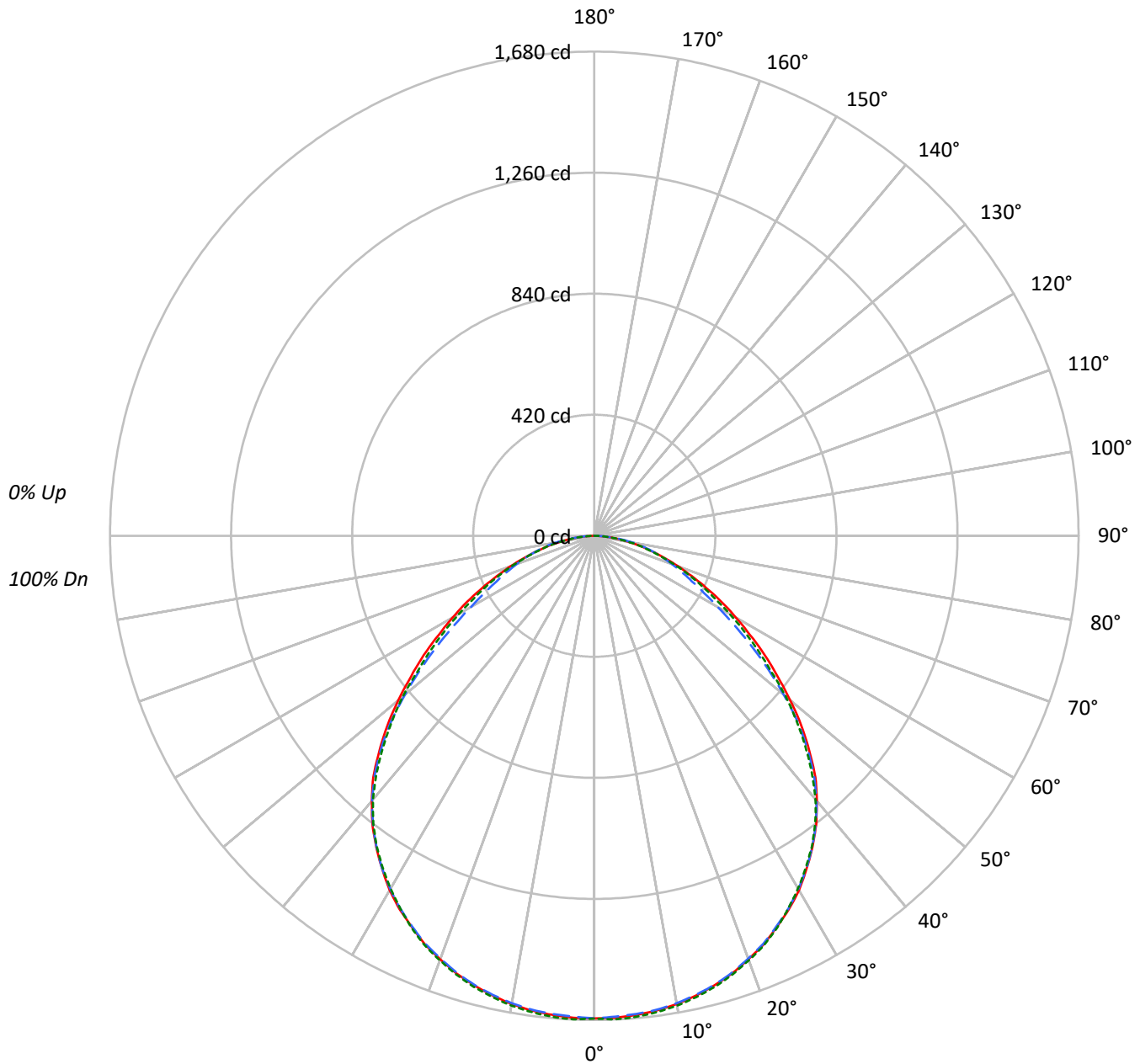
Lumens per Lamp: N/A
Luminaire Lumens: 4222.4 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.9	3.8
10°-20°	456.0	10.8
20°-30°	690.3	16.3
30°-40°	823.0	19.5
40°-50°	804.2	19.0
50°-60°	614.9	14.6
60°-70°	394.8	9.4
70°-80°	219.6	5.2
80°-90°	60.7	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°	1305.1	30.9
0°-40°	2128.2	50.4
0°-60°	3547.3	84.0
0°-90°	4222.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4222.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1675	1675	1675	1675	1675	
5°	1669	1670	1666	1674	1676	159
15°	1614	1616	1613	1618	1620	456
25°	1498	1499	1495	1500	1501	691
35°	1319	1320	1318	1317	1316	824
45°	1054	1057	1046	1044	1036	811
55°	722	697	664	672	694	646
65°	429	396	373	386	412	428
75°	206	208	210	207	202	220
85°	45	53	53	52	45	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1674.8	1674.8	1674.8	1674.8	1674.8
2.5°	1673.7	1674.4	1670.0	1677.2	1679.6
5°	1668.9	1670.0	1665.9	1673.7	1675.5
7.5°	1661.8	1662.8	1658.7	1666.5	1667.2
10°	1649.8	1650.4	1646.7	1654.6	1655.7
12.5°	1633.7	1635.4	1631.3	1638.5	1638.9
15°	1614.3	1615.6	1612.6	1618.0	1619.7
17.5°	1591.7	1592.3	1589.3	1595.2	1595.8
20°	1563.4	1563.4	1561.0	1567.7	1567.7
22.5°	1534.6	1532.9	1532.2	1534.6	1538.3
25°	1497.6	1499.4	1495.2	1500.0	1501.1
27.5°	1461.7	1461.7	1458.0	1460.4	1457.4
30°	1420.4	1418.0	1415.6	1416.0	1413.2
32.5°	1370.5	1370.5	1369.4	1369.4	1365.7
35°	1319.2	1320.3	1317.9	1317.2	1315.5
37.5°	1263.9	1265.8	1261.5	1260.4	1259.1
40°	1201.0	1201.0	1199.2	1196.9	1193.8
42.5°	1135.7	1135.7	1128.1	1122.0	1117.8
45°	1054.3	1056.7	1046.5	1044.1	1035.8
47.5°	973.3	971.6	957.9	956.1	951.3
50°	887.1	876.9	857.3	862.5	866.9
52.5°	800.9	788.3	759.6	765.5	772.7
55°	722.4	697.3	663.8	672.1	693.6
57.5°	640.3	606.8	573.3	589.0	615.7
60°	567.8	530.2	493.6	510.4	541.5
62.5°	498.4	458.4	429.0	445.1	471.4
65°	429.0	395.9	373.3	385.7	411.6
67.5°	365.4	343.2	327.8	333.7	354.6
70°	308.0	294.0	285.8	287.5	299.5
72.5°	253.3	249.9	246.8	246.8	247.9
75°	206.1	207.9	209.6	206.8	202.0
77.5°	162.4	168.2	172.6	166.5	160.6
80°	119.3	128.8	134.3	127.5	118.6
82.5°	81.4	92.3	94.0	89.9	79.7
85°	44.8	52.7	53.3	51.6	44.8
87.5°	16.8	19.8	21.5	19.8	17.4
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)