

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: P1046779

Luminaire Tested: 22PTR-50-PC3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046779
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-L850-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

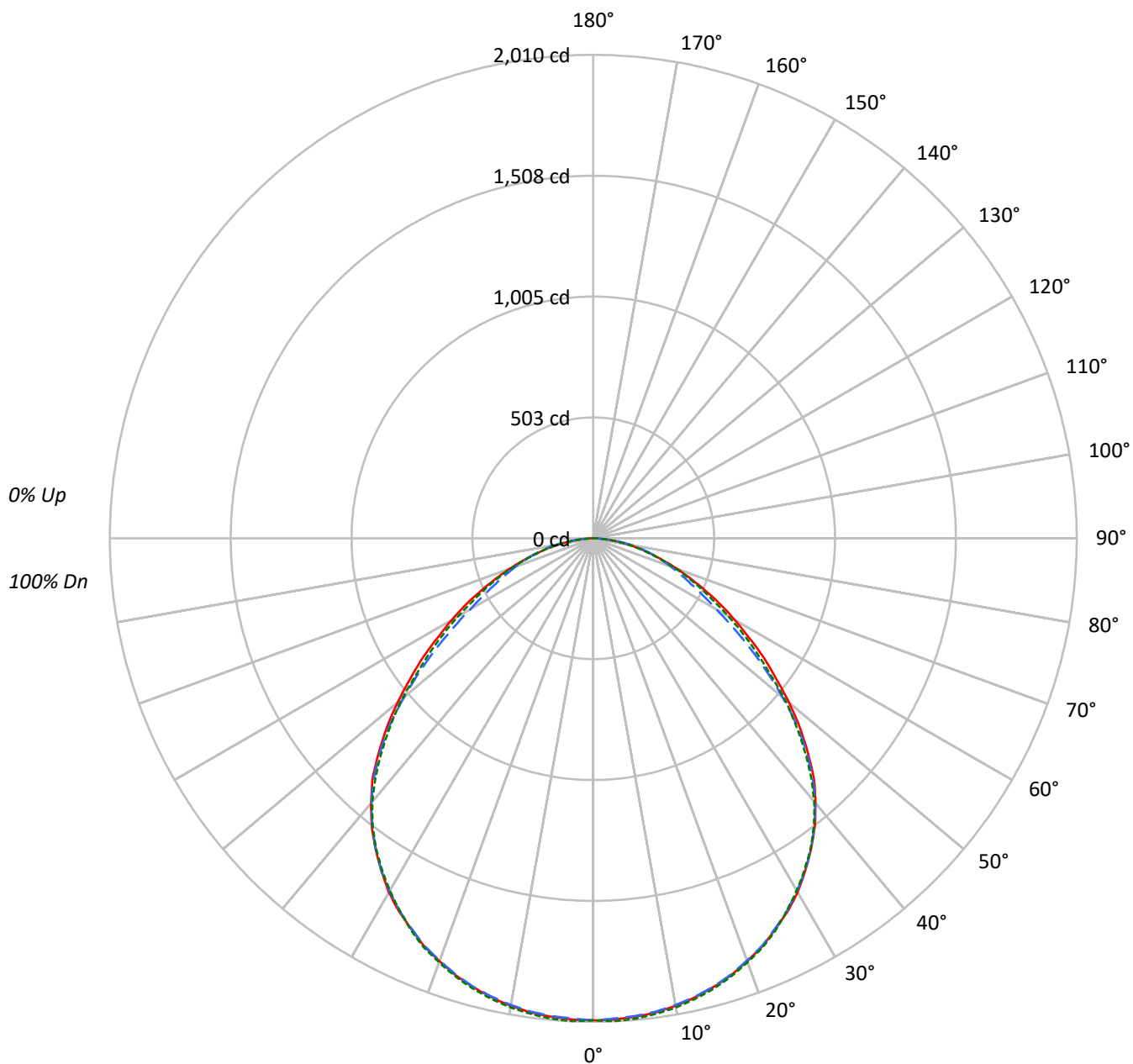
Lumens per Lamp: N/A
Luminaire Lumens: 5052.7 lumens
Efficiency: N/A
Efficacy: 129.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (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	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°	190.1	3.8
10°-20°	545.6	10.8
20°-30°	826.1	16.3
30°-40°	984.9	19.5
40°-50°	962.3	19.0
50°-60°	735.9	14.6
60°-70°	472.4	9.4
70°-80°	262.8	5.2
80°-90°	72.6	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°	1561.8	30.9
0°-40°	2546.7	50.4
0°-60°	4244.9	84.0
0°-90°	5052.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5052.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2004	2004	2004	2004	2004	
5°	1997	1998	1994	2003	2005	190
15°	1932	1933	1930	1936	1938	545
25°	1792	1794	1789	1795	1796	827
35°	1579	1580	1577	1576	1574	986
45°	1262	1264	1252	1249	1240	971
55°	864	834	794	804	830	773
65°	513	474	447	462	492	512
75°	247	249	251	247	242	264
85°	54	63	64	62	54	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2004.2	2004.2	2004.2	2004.2	2004.2
2.5°	2002.9	2003.6	1998.4	2007.0	2009.9
5°	1997.1	1998.4	1993.5	2002.9	2004.9
7.5°	1988.5	1989.8	1984.9	1994.3	1995.0
10°	1974.2	1975.0	1970.6	1979.9	1981.2
12.5°	1954.9	1957.0	1952.1	1960.7	1961.2
15°	1931.7	1933.3	1929.7	1936.2	1938.3
17.5°	1904.7	1905.4	1901.8	1908.8	1909.6
20°	1870.8	1870.8	1867.9	1876.0	1876.0
22.5°	1836.4	1834.3	1833.6	1836.4	1840.9
25°	1792.1	1794.2	1789.3	1795.0	1796.3
27.5°	1749.2	1749.2	1744.7	1747.6	1744.0
30°	1699.7	1696.8	1694.0	1694.5	1691.1
32.5°	1640.0	1640.0	1638.7	1638.7	1634.3
35°	1578.6	1579.9	1577.0	1576.2	1574.2
37.5°	1512.4	1514.8	1509.6	1508.3	1506.7
40°	1437.2	1437.2	1435.1	1432.2	1428.6
42.5°	1359.0	1359.0	1349.9	1342.6	1337.7
45°	1261.6	1264.5	1252.2	1249.4	1239.5
47.5°	1164.7	1162.6	1146.2	1144.2	1138.4
50°	1061.6	1049.3	1025.9	1032.2	1037.4
52.5°	958.5	943.3	909.0	916.0	924.6
55°	864.4	834.5	794.4	804.3	830.1
57.5°	766.2	726.1	686.0	704.8	736.8
60°	679.5	634.5	590.7	610.8	648.0
62.5°	596.4	548.5	513.3	532.6	564.1
65°	513.3	473.8	446.7	461.5	492.5
67.5°	437.3	410.7	392.2	399.3	424.3
70°	368.5	351.9	342.0	344.1	358.4
72.5°	303.2	299.0	295.3	295.3	296.7
75°	246.6	248.7	250.8	247.4	241.7
77.5°	194.3	201.3	206.5	199.2	192.2
80°	142.7	154.2	160.7	152.6	141.9
82.5°	97.4	110.4	112.5	107.6	95.3
85°	53.7	63.0	63.8	61.7	53.7
87.5°	20.1	23.7	25.8	23.7	20.8
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)