

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: P1046774

Luminaire Tested: 22PTR-50-PC3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046774
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-L840-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

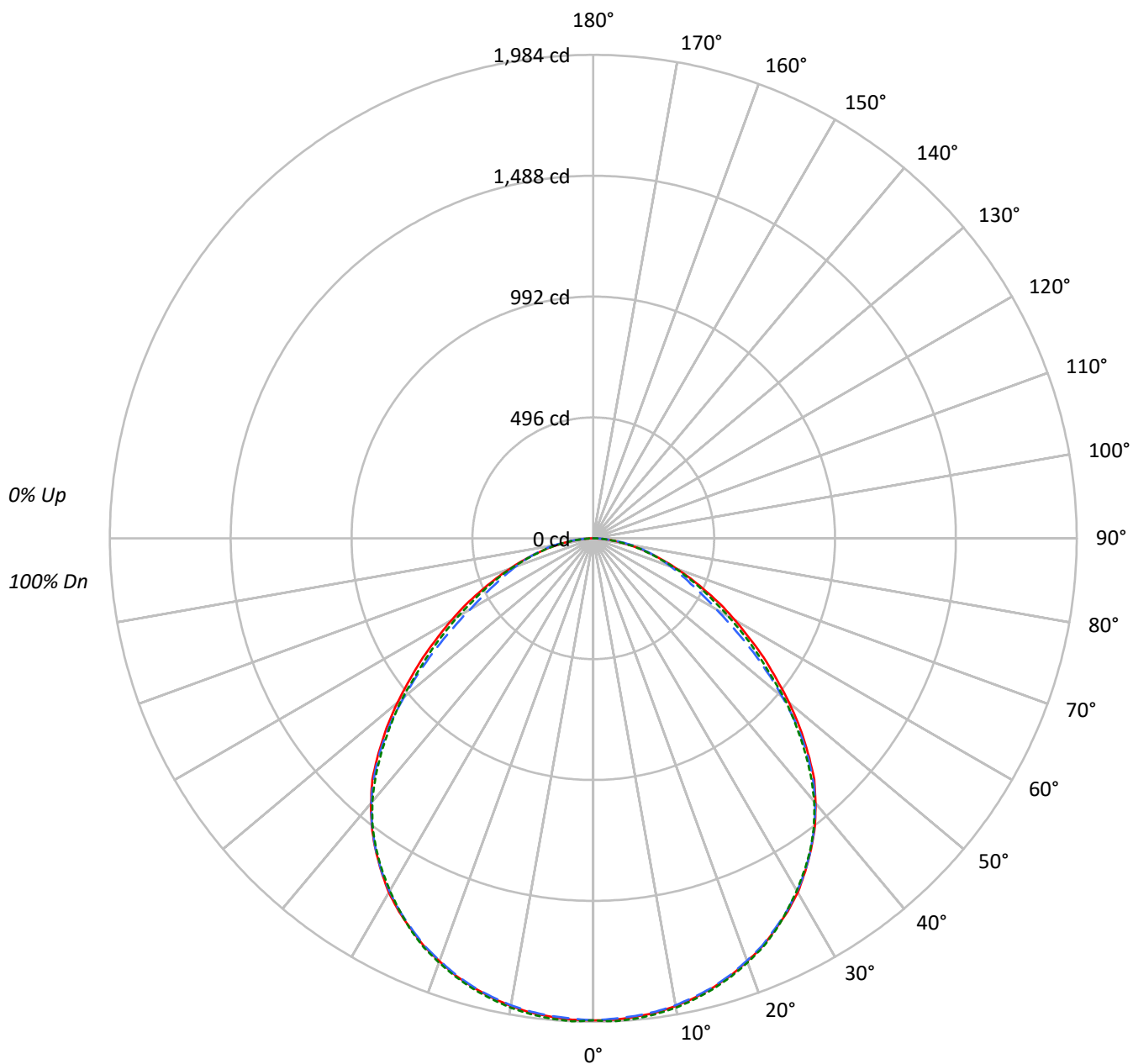
Lumens per Lamp: N/A
Luminaire Lumens: 4988.7 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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°	187.7	3.8
10°-20°	538.7	10.8
20°-30°	815.6	16.3
30°-40°	972.4	19.5
40°-50°	950.1	19.0
50°-60°	726.5	14.6
60°-70°	466.5	9.4
70°-80°	259.5	5.2
80°-90°	71.7	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°	1542.0	30.9
0°-40°	2514.4	50.4
0°-60°	4191.1	84.0
0°-90°	4988.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4988.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1979	1979	1979	1979	1979	
5°	1972	1973	1968	1978	1980	188
15°	1907	1909	1905	1912	1914	538
25°	1769	1772	1767	1772	1774	816
35°	1559	1560	1557	1556	1554	974
45°	1246	1248	1236	1234	1224	958
55°	854	824	784	794	820	763
65°	507	468	441	456	486	505
75°	244	246	248	244	239	260
85°	53	62	63	61	53	65
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1978.8	1978.8	1978.8	1978.8	1978.8
2.5°	1977.5	1978.2	1973.1	1981.6	1984.4
5°	1971.8	1973.1	1968.2	1977.5	1979.5
7.5°	1963.3	1964.6	1959.7	1969.0	1969.8
10°	1949.2	1950.0	1945.6	1954.8	1956.1
12.5°	1930.2	1932.2	1927.3	1935.8	1936.3
15°	1907.3	1908.8	1905.2	1911.6	1913.7
17.5°	1880.5	1881.3	1877.7	1884.6	1885.4
20°	1847.1	1847.1	1844.3	1852.2	1852.2
22.5°	1813.2	1811.1	1810.3	1813.2	1817.5
25°	1769.4	1771.5	1766.6	1772.3	1773.6
27.5°	1727.0	1727.0	1722.6	1725.5	1721.9
30°	1678.2	1675.3	1672.5	1673.0	1669.7
32.5°	1619.3	1619.3	1618.0	1618.0	1613.6
35°	1558.6	1559.9	1557.0	1556.3	1554.2
37.5°	1493.3	1495.6	1490.4	1489.1	1487.6
40°	1418.9	1418.9	1416.9	1414.1	1410.5
42.5°	1341.8	1341.8	1332.8	1325.6	1320.7
45°	1245.6	1248.5	1236.4	1233.5	1223.8
47.5°	1150.0	1147.9	1131.7	1129.7	1124.0
50°	1048.1	1036.1	1012.9	1019.1	1024.2
52.5°	946.3	931.4	897.4	904.4	912.9
55°	853.5	823.9	784.3	794.1	819.5
57.5°	756.5	716.9	677.3	695.8	727.5
60°	670.9	626.4	583.2	603.0	639.8
62.5°	588.9	541.6	506.8	525.9	557.0
65°	506.8	467.8	441.0	455.7	486.3
67.5°	431.8	405.5	387.3	394.2	418.9
70°	363.9	347.4	337.6	339.7	353.8
72.5°	299.3	295.2	291.6	291.6	292.9
75°	243.5	245.6	247.6	244.3	238.6
77.5°	191.8	198.8	203.9	196.7	189.8
80°	140.9	152.2	158.7	150.7	140.1
82.5°	96.2	109.0	111.1	106.2	94.1
85°	53.0	62.2	63.0	60.9	53.0
87.5°	19.8	23.4	25.5	23.4	20.6
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)