

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: P1046695

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-L850-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

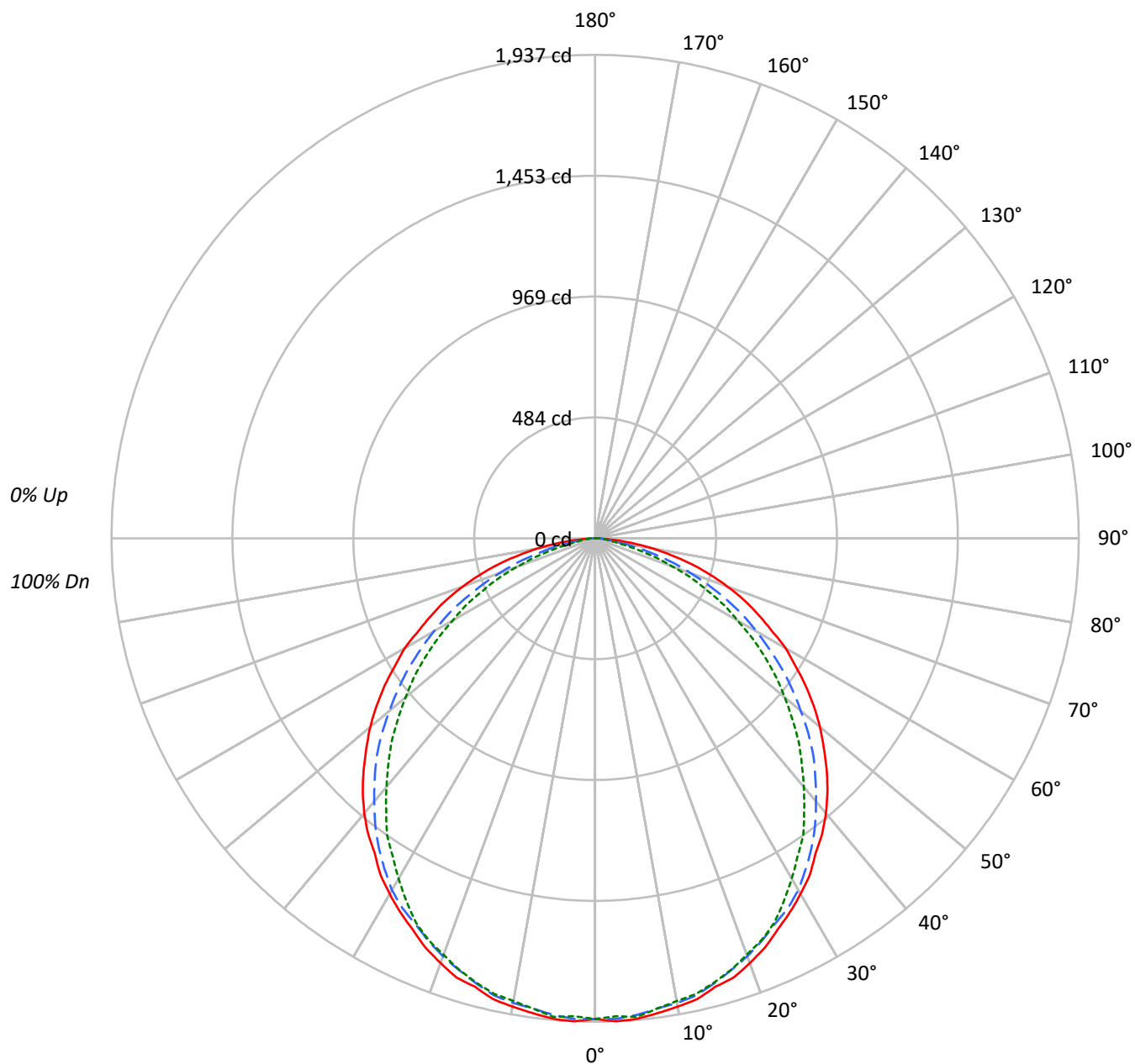
Lumens per Lamp: N/A
Luminaire Lumens: 5130.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (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	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	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°	182.6	3.6
10°-20°	522.4	10.2
20°-30°	789.1	15.4
30°-40°	938.2	18.3
40°-50°	951.5	18.5
50°-60°	826.3	16.1
60°-70°	586.6	11.4
70°-80°	280.3	5.5
80°-90°	53.1	1.0
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°	1494.0	29.1
0°-40°	2432.3	47.4
0°-60°	4210.0	82.1
0°-90°	5130.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5130.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1926	1926	1926	1926	1926	
5°	1933	1926	1917	1921	1925	183
15°	1860	1865	1846	1843	1842	527
25°	1730	1728	1704	1711	1699	799
35°	1539	1537	1512	1460	1453	967
45°	1311	1300	1238	1172	1153	1011
55°	1029	998	914	860	830	919
65°	719	665	578	516	497	712
75°	400	327	243	193	171	420
85°	78	41	36	34	33	98
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1925.9	1925.9	1925.9	1925.9	1925.9
2.5°	1937.4	1930.5	1928.2	1936.3	1916.8
5°	1932.8	1925.9	1916.8	1921.3	1924.8
7.5°	1919.0	1913.3	1900.7	1911.0	1900.7
10°	1905.3	1899.5	1890.4	1893.8	1882.3
12.5°	1891.5	1877.8	1875.5	1877.8	1869.7
15°	1860.5	1865.1	1845.6	1843.3	1842.2
17.5°	1845.6	1834.2	1813.5	1814.7	1812.4
20°	1811.2	1797.5	1782.5	1780.3	1775.7
22.5°	1775.7	1759.6	1745.8	1752.7	1742.4
25°	1729.8	1727.5	1704.5	1711.4	1698.8
27.5°	1689.6	1681.6	1671.3	1656.4	1638.0
30°	1646.0	1638.0	1627.7	1588.7	1574.9
32.5°	1600.2	1591.0	1570.3	1524.5	1509.5
35°	1539.4	1537.1	1511.8	1460.2	1453.3
37.5°	1493.5	1468.2	1447.6	1394.8	1375.3
40°	1438.4	1424.7	1376.5	1326.0	1300.8
42.5°	1377.6	1361.6	1306.5	1252.6	1225.1
45°	1311.1	1299.6	1237.7	1172.3	1152.8
47.5°	1242.3	1232.0	1158.5	1095.5	1070.2
50°	1175.7	1163.1	1074.8	1014.0	991.1
52.5°	1103.5	1082.8	995.7	936.0	914.2
55°	1028.9	998.0	914.2	860.3	830.5
57.5°	949.8	921.1	828.2	772.0	747.9
60°	880.9	840.8	745.6	688.2	657.3
62.5°	792.6	758.2	667.6	599.9	585.0
65°	719.2	665.3	578.1	516.2	496.7
67.5°	644.7	581.6	493.2	430.2	419.8
70°	563.2	497.8	407.2	345.3	328.1
72.5°	480.6	416.4	328.1	262.7	252.4
75°	400.3	326.9	243.2	192.7	170.9
77.5°	313.1	246.6	170.9	118.1	104.4
80°	232.9	166.3	98.6	70.0	68.8
82.5°	152.6	96.4	52.8	53.9	51.6
85°	78.0	41.3	35.6	34.4	33.3
87.5°	14.9	16.1	17.2	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)