

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: P1046727

Luminaire Tested: 22PTR-50-PB1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PB1-L835-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

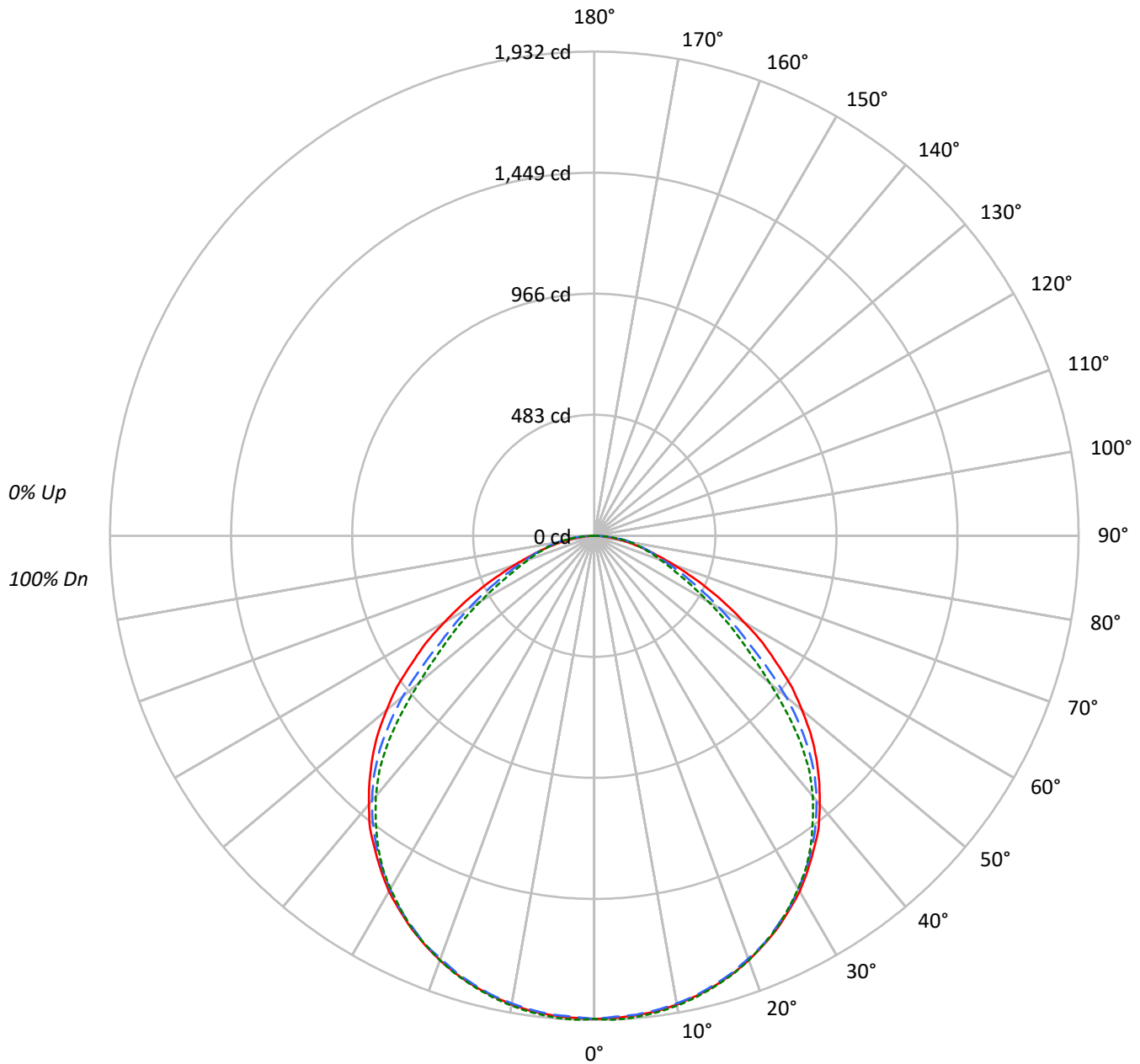
Lumens per Lamp: N/A
Luminaire Lumens: 4807.0 lumens
Efficiency: N/A
Efficacy: 123.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 39
Input Voltage (V): 120
Input Current (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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	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°	182.8	3.8
10°-20°	524.5	10.9
20°-30°	794.5	16.5
30°-40°	946.7	19.7
40°-50°	925.8	19.3
50°-60°	700.2	14.6
60°-70°	430.2	8.9
70°-80°	229.2	4.8
80°-90°	73.1	1.5
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°	1501.8	31.2
0°-40°	2448.5	50.9
0°-60°	4074.5	84.8
0°-90°	4807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1928	1928	1928	1928	1928	
5°	1921	1923	1918	1926	1928	183
15°	1859	1861	1854	1861	1861	525
25°	1729	1726	1721	1724	1726	796
35°	1527	1525	1515	1508	1506	955
45°	1252	1245	1212	1171	1162	963
55°	889	844	756	714	702	796
65°	500	460	422	389	377	498
75°	213	216	218	211	206	229
85°	48	62	76	71	66	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1927.8	1927.8	1927.8	1927.8	1927.8
2.5°	1925.5	1927.8	1920.6	1930.3	1932.5
5°	1920.6	1923.0	1918.3	1925.5	1927.8
7.5°	1913.6	1913.6	1908.9	1915.8	1918.3
10°	1899.4	1899.4	1894.7	1901.6	1904.1
12.5°	1880.5	1880.5	1878.0	1882.7	1885.2
15°	1859.1	1861.3	1854.3	1861.3	1861.3
17.5°	1832.9	1830.7	1828.2	1832.9	1835.4
20°	1802.1	1802.1	1795.1	1799.8	1802.1
22.5°	1766.5	1766.5	1764.2	1766.5	1764.2
25°	1728.6	1726.1	1721.4	1723.9	1726.1
27.5°	1683.6	1683.6	1678.8	1678.8	1676.3
30°	1638.5	1636.0	1629.0	1624.3	1626.6
32.5°	1584.0	1581.5	1574.5	1569.8	1572.0
35°	1527.0	1524.7	1515.3	1508.1	1505.8
37.5°	1470.2	1463.0	1451.1	1441.6	1432.1
40°	1399.0	1391.8	1380.1	1358.7	1356.2
42.5°	1327.8	1320.9	1301.7	1275.8	1268.6
45°	1251.9	1244.9	1211.6	1171.3	1161.8
47.5°	1171.3	1159.6	1107.3	1057.5	1038.6
50°	1081.4	1060.0	998.2	934.3	912.9
52.5°	993.5	955.7	875.0	818.0	796.8
55°	889.2	844.1	756.5	713.7	701.8
57.5°	796.8	735.1	663.9	621.3	611.9
60°	690.1	633.0	576.3	538.2	524.0
62.5°	592.7	542.9	495.6	462.3	445.8
65°	500.4	460.0	422.2	388.8	377.1
67.5°	410.2	388.8	358.0	332.1	324.9
70°	334.3	322.4	301.2	289.3	279.8
72.5°	265.6	270.3	256.2	251.4	244.2
75°	213.3	215.8	218.1	211.1	206.4
77.5°	161.3	173.0	182.5	177.7	173.0
80°	121.0	132.7	149.4	142.4	142.4
82.5°	82.9	97.3	111.5	106.8	104.3
85°	47.5	61.7	75.9	71.2	66.5
87.5°	18.9	30.9	33.1	33.1	30.9
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)