

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: P1046900

Luminaire Tested: 22PTR-50-PP3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-50-PP3-L840-UNV-STD-W
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

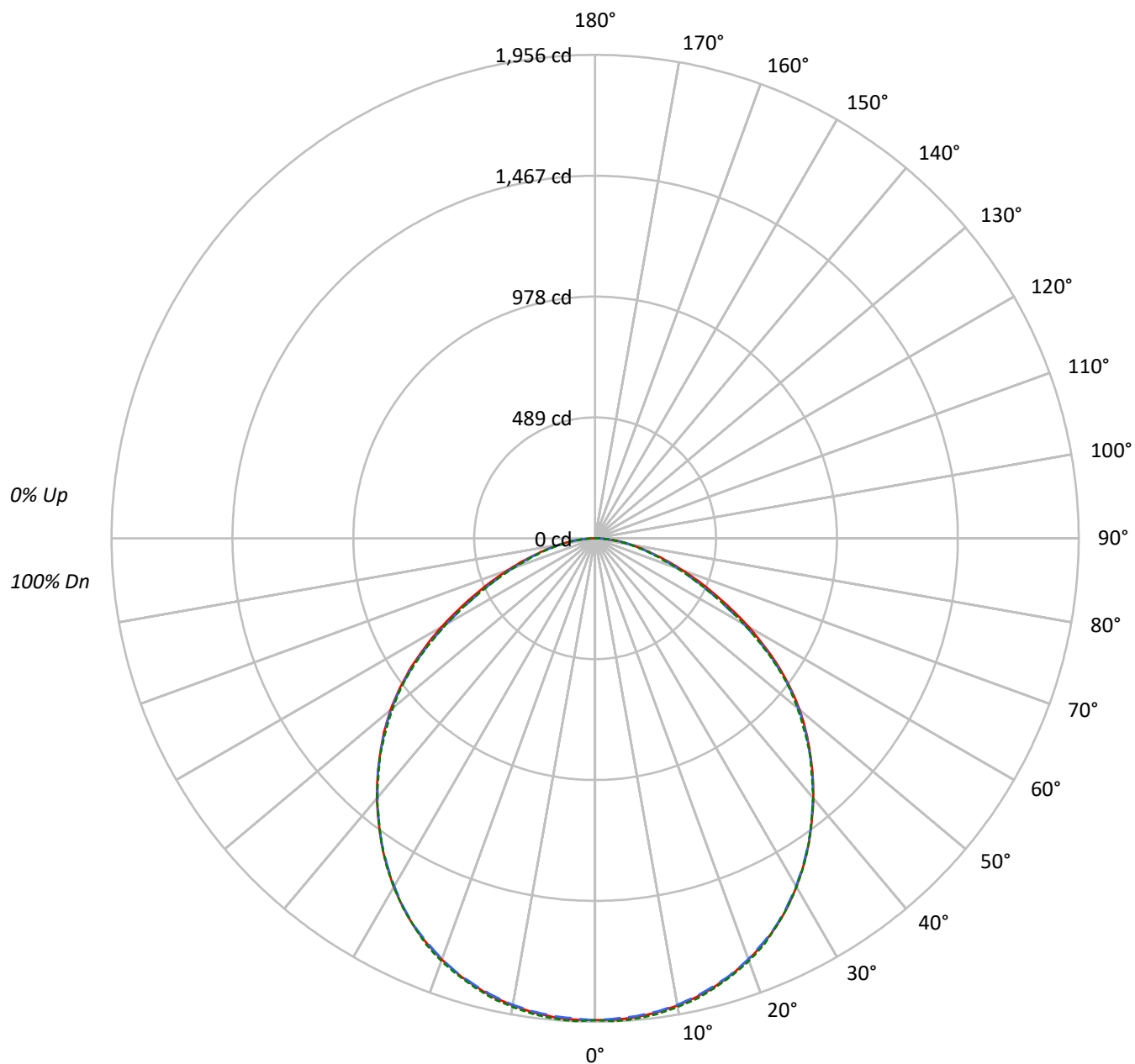
Lumens per Lamp: N/A
Luminaire Lumens: 5038.2 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	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°	184.9	3.7
10°-20°	529.8	10.5
20°-30°	797.6	15.8
30°-40°	941.4	18.7
40°-50°	946.7	18.8
50°-60°	799.3	15.9
60°-70°	513.3	10.2
70°-80°	255.3	5.1
80°-90°	70.0	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°	1512.3	30.0
0°-40°	2453.6	48.7
0°-60°	4199.6	83.4
0°-90°	5038.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5038.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1950	1950	1950	1950	1950	
5°	1944	1945	1940	1949	1950	185
15°	1876	1877	1873	1881	1881	529
25°	1733	1734	1731	1734	1733	798
35°	1507	1508	1505	1506	1506	942
45°	1229	1234	1226	1227	1227	949
55°	907	907	897	893	894	807
65°	533	525	506	501	505	531
75°	244	243	235	233	230	264
85°	60	62	62	59	59	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1949.9	1949.9	1949.9	1949.9	1949.9
2.5°	1949.2	1949.9	1944.8	1954.1	1955.6
5°	1944.3	1944.8	1939.9	1949.2	1950.5
7.5°	1934.3	1935.0	1930.7	1939.1	1940.7
10°	1919.3	1921.7	1916.5	1924.5	1925.8
12.5°	1901.1	1901.9	1896.7	1906.0	1907.5
15°	1876.4	1876.9	1872.8	1881.3	1881.3
17.5°	1847.8	1848.6	1845.8	1853.0	1852.2
20°	1813.4	1815.4	1811.8	1816.7	1819.6
22.5°	1775.8	1776.6	1772.2	1778.7	1781.5
25°	1733.4	1733.9	1730.6	1733.9	1732.6
27.5°	1683.8	1685.0	1680.2	1683.8	1684.5
30°	1628.5	1632.1	1625.1	1628.0	1628.5
32.5°	1569.1	1571.1	1566.2	1567.0	1570.6
35°	1506.8	1507.6	1504.8	1506.1	1506.1
37.5°	1439.7	1442.5	1438.2	1440.2	1437.4
40°	1373.1	1370.3	1368.7	1370.3	1372.3
42.5°	1302.9	1303.6	1301.6	1300.0	1296.7
45°	1229.3	1233.7	1225.7	1227.3	1227.3
47.5°	1157.3	1157.8	1153.7	1149.3	1146.5
50°	1080.2	1080.2	1075.0	1071.7	1067.3
52.5°	995.8	994.5	988.9	985.3	987.3
55°	907.3	906.6	896.8	893.2	894.0
57.5°	810.4	811.9	797.0	793.4	793.4
60°	717.8	710.6	693.6	688.7	694.9
62.5°	620.6	612.1	593.8	593.8	598.7
65°	532.9	525.2	506.1	501.0	505.4
67.5°	450.8	443.6	426.1	423.3	424.6
70°	372.9	366.7	355.9	349.5	351.8
72.5°	305.8	300.1	292.9	288.0	285.2
75°	244.1	242.8	235.1	232.7	229.9
77.5°	193.1	192.6	186.2	183.4	180.5
80°	145.1	144.3	143.0	138.6	136.6
82.5°	103.4	103.4	102.6	99.0	97.0
85°	60.2	62.2	62.2	58.6	58.6
87.5°	24.2	25.5	24.2	24.2	23.4
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)