

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: P1047005

Luminaire Tested: 22PTR-60-PW1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047005
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PW1-L940-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

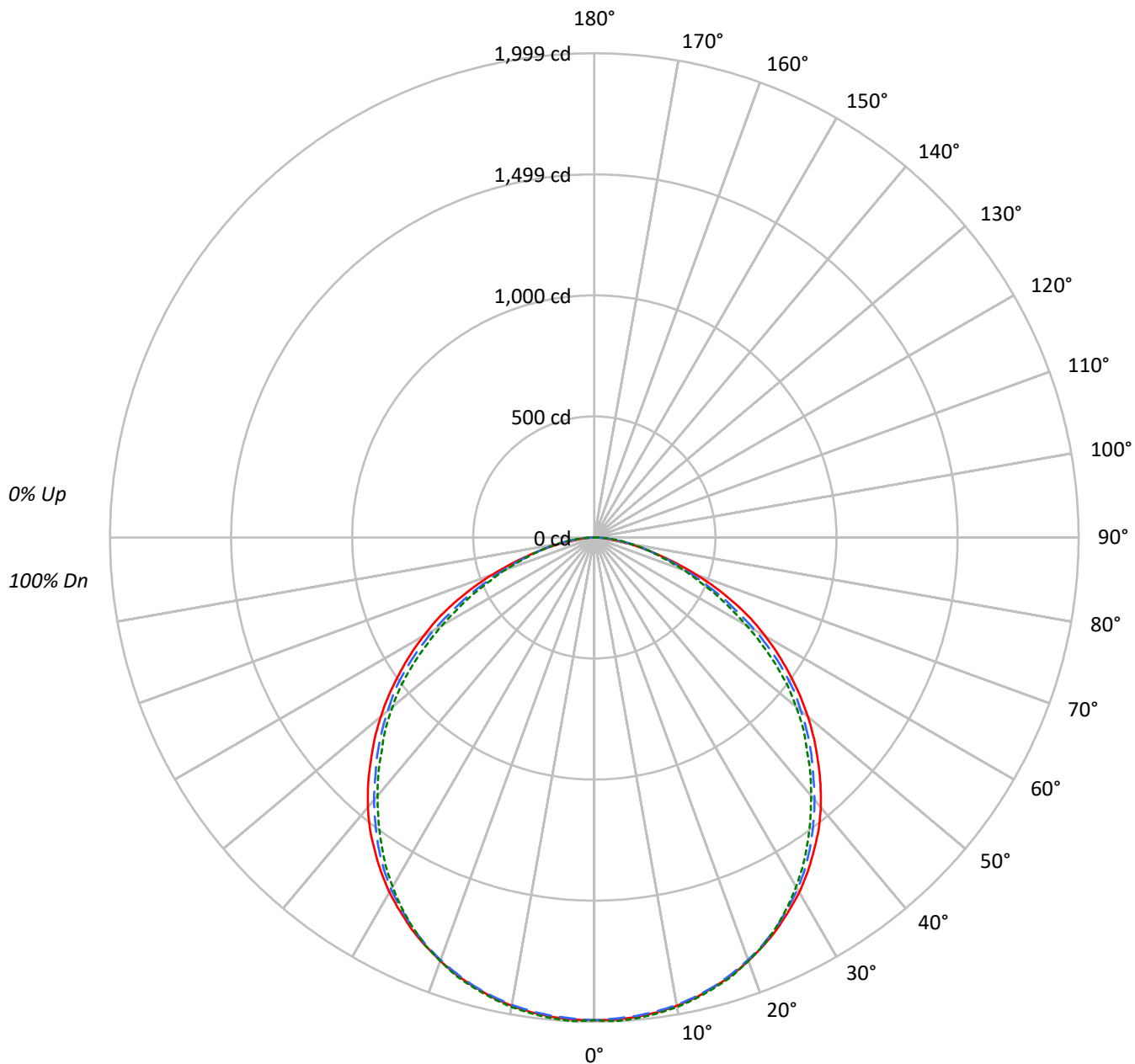
Lumens per Lamp: N/A
Luminaire Lumens: 5289.4 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	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°	189.0	3.6
10°-20°	542.2	10.2
20°-30°	819.4	15.5
30°-40°	972.9	18.4
40°-50°	980.2	18.5
50°-60°	847.3	16.0
60°-70°	579.1	10.9
70°-80°	285.5	5.4
80°-90°	73.8	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°	1550.6	29.3
0°-40°	2523.5	47.7
0°-60°	4350.9	82.3
0°-90°	5289.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5289.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1993	1993	1993	1993	1993	
5°	1987	1988	1983	1991	1993	189
15°	1920	1922	1917	1924	1924	542
25°	1784	1783	1777	1778	1776	822
35°	1579	1574	1555	1541	1535	988
45°	1305	1291	1266	1252	1241	1007
55°	984	981	950	922	913	880
65°	636	613	578	552	549	628
75°	269	267	264	264	256	294
85°	51	60	66	67	66	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1993.1	1993.1	1993.1	1993.1	1993.1
2.5°	1992.6	1993.1	1988.0	1996.9	1999.0
5°	1987.2	1988.0	1982.9	1991.0	1993.1
7.5°	1977.8	1979.2	1973.3	1981.3	1982.9
10°	1963.6	1964.4	1959.3	1967.4	1969.0
12.5°	1944.6	1945.1	1940.8	1948.1	1948.1
15°	1920.1	1922.3	1917.2	1923.9	1924.4
17.5°	1892.8	1893.6	1888.5	1895.7	1897.3
20°	1860.3	1860.3	1856.0	1861.9	1860.3
22.5°	1824.1	1824.1	1819.0	1821.9	1823.3
25°	1784.4	1782.7	1776.8	1778.4	1775.5
27.5°	1738.5	1738.5	1728.0	1728.0	1722.9
30°	1692.0	1688.3	1677.3	1670.6	1665.5
32.5°	1638.6	1633.5	1619.6	1607.8	1604.0
35°	1579.1	1573.7	1555.2	1541.2	1535.3
37.5°	1521.4	1509.5	1485.1	1471.2	1464.5
40°	1454.0	1439.2	1414.3	1395.0	1392.0
42.5°	1381.8	1370.0	1337.5	1323.3	1319.8
45°	1305.1	1290.8	1266.4	1251.6	1240.6
47.5°	1229.6	1219.2	1191.3	1173.6	1169.8
50°	1150.5	1141.6	1112.9	1093.9	1087.1
52.5°	1068.6	1062.7	1038.3	1013.9	1005.8
55°	983.8	980.9	950.5	922.4	912.7
57.5°	900.4	896.6	858.8	826.3	817.4
60°	813.1	802.1	765.1	734.8	725.1
62.5°	730.5	706.9	666.9	643.3	632.3
65°	635.8	612.9	577.5	552.3	548.8
67.5°	542.9	515.5	488.2	472.6	460.8
70°	446.0	427.5	406.8	393.7	391.5
72.5°	355.9	342.7	332.2	324.2	317.5
75°	269.4	267.3	263.5	263.5	256.3
77.5°	198.1	203.2	206.1	205.3	206.9
80°	137.4	147.6	153.5	154.3	153.5
82.5°	87.2	99.0	108.7	110.0	111.6
85°	51.0	59.8	65.7	67.1	65.7
87.5°	22.8	28.7	30.3	31.7	30.3
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)