

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: P1046711

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046711
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-60-L940-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

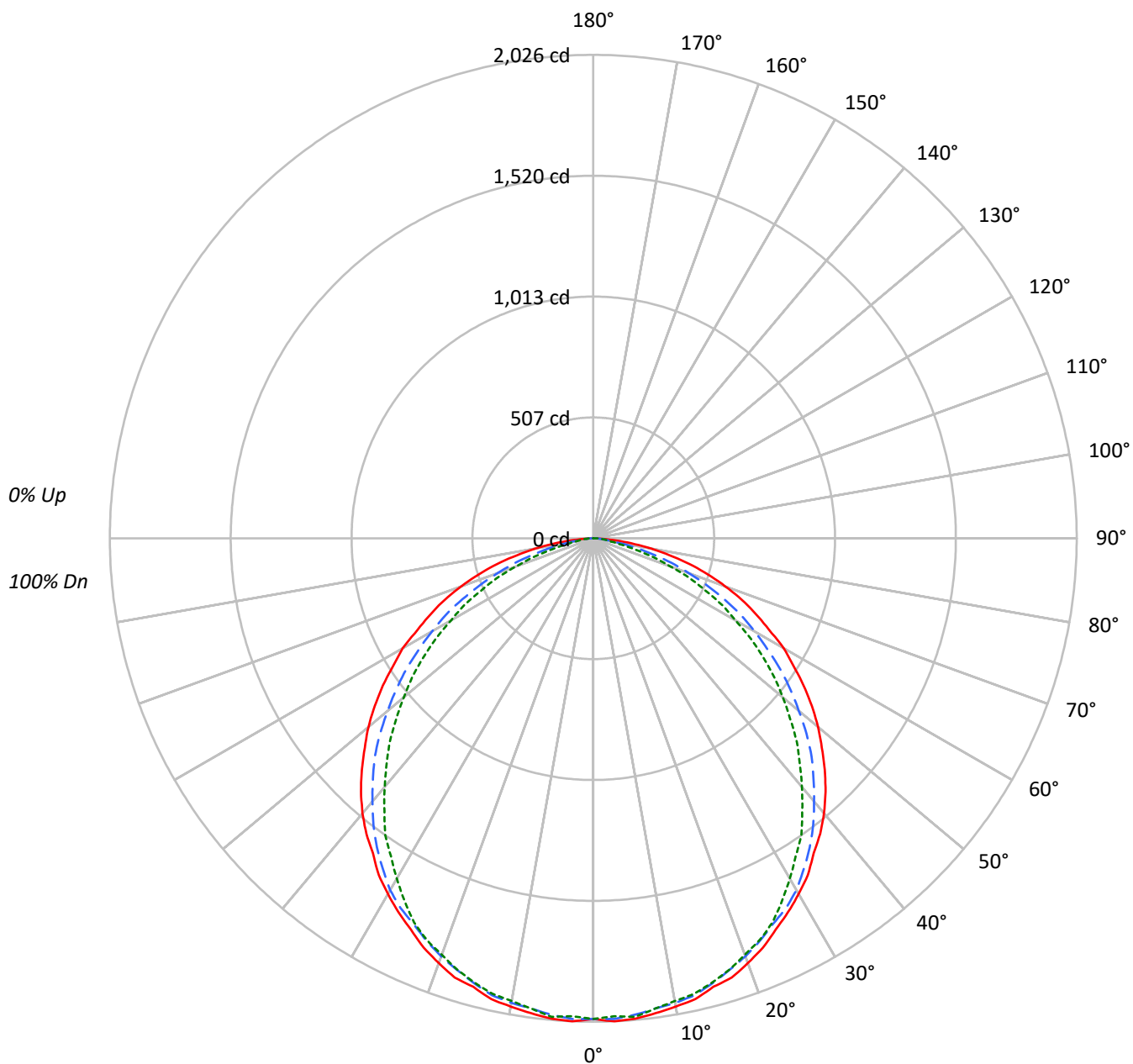
Lumens per Lamp: N/A
Luminaire Lumens: 5365.5 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
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	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°	190.9	3.6
10°-20°	546.4	10.2
20°-30°	825.3	15.4
30°-40°	981.3	18.3
40°-50°	995.2	18.5
50°-60°	864.2	16.1
60°-70°	613.5	11.4
70°-80°	293.2	5.5
80°-90°	55.6	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°	1562.6	29.1
0°-40°	2543.9	47.4
0°-60°	4403.3	82.1
0°-90°	5365.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5365.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2014	2014	2014	2014	2014	
5°	2022	2014	2005	2010	2013	192
15°	1946	1951	1930	1928	1927	551
25°	1809	1807	1783	1790	1777	836
35°	1610	1608	1581	1527	1520	1012
45°	1371	1359	1294	1226	1206	1058
55°	1076	1044	956	900	869	962
65°	752	696	605	540	520	745
75°	419	342	254	202	179	439
85°	82	43	37	36	35	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2014.3	2014.3	2014.3	2014.3	2014.3
2.5°	2026.3	2019.1	2016.7	2025.1	2004.7
5°	2021.5	2014.3	2004.7	2009.5	2013.1
7.5°	2007.1	2001.1	1987.9	1998.7	1987.9
10°	1992.7	1986.7	1977.1	1980.7	1968.7
12.5°	1978.3	1963.9	1961.5	1963.9	1955.5
15°	1945.9	1950.7	1930.4	1928.0	1926.8
17.5°	1930.4	1918.4	1896.8	1898.0	1895.6
20°	1894.4	1880.0	1864.4	1862.0	1857.2
22.5°	1857.2	1840.4	1826.0	1833.2	1822.4
25°	1809.2	1806.8	1782.8	1790.0	1776.8
27.5°	1767.2	1758.8	1748.0	1732.4	1713.2
30°	1721.6	1713.2	1702.4	1661.6	1647.2
32.5°	1673.6	1664.0	1642.4	1594.4	1578.8
35°	1610.0	1607.6	1581.2	1527.2	1520.0
37.5°	1562.0	1535.6	1514.0	1458.9	1438.5
40°	1504.5	1490.1	1439.7	1386.9	1360.5
42.5°	1440.9	1424.1	1366.5	1310.1	1281.3
45°	1371.3	1359.3	1294.5	1226.1	1205.7
47.5°	1299.3	1288.5	1211.7	1145.7	1119.3
50°	1229.7	1216.5	1124.1	1060.6	1036.6
52.5°	1154.1	1132.5	1041.4	979.0	956.2
55°	1076.2	1043.8	956.2	899.8	868.6
57.5°	993.4	963.4	866.2	807.4	782.2
60°	921.4	879.4	779.8	719.8	687.4
62.5°	829.0	793.0	698.2	627.5	611.9
65°	752.2	695.8	604.7	539.9	519.5
67.5°	674.2	608.3	515.9	449.9	439.1
70°	589.1	520.7	425.9	361.1	343.1
72.5°	502.7	435.5	343.1	274.7	263.9
75°	418.7	341.9	254.3	201.6	178.8
77.5°	327.5	257.9	178.8	123.6	109.2
80°	243.5	174.0	103.2	73.2	72.0
82.5°	159.6	100.8	55.2	56.4	54.0
85°	81.6	43.2	37.2	36.0	34.8
87.5°	15.6	16.8	18.0	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)