

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: P1046753

Luminaire Tested: 22PTR-60-PB1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046753
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-60-PB1-L940-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

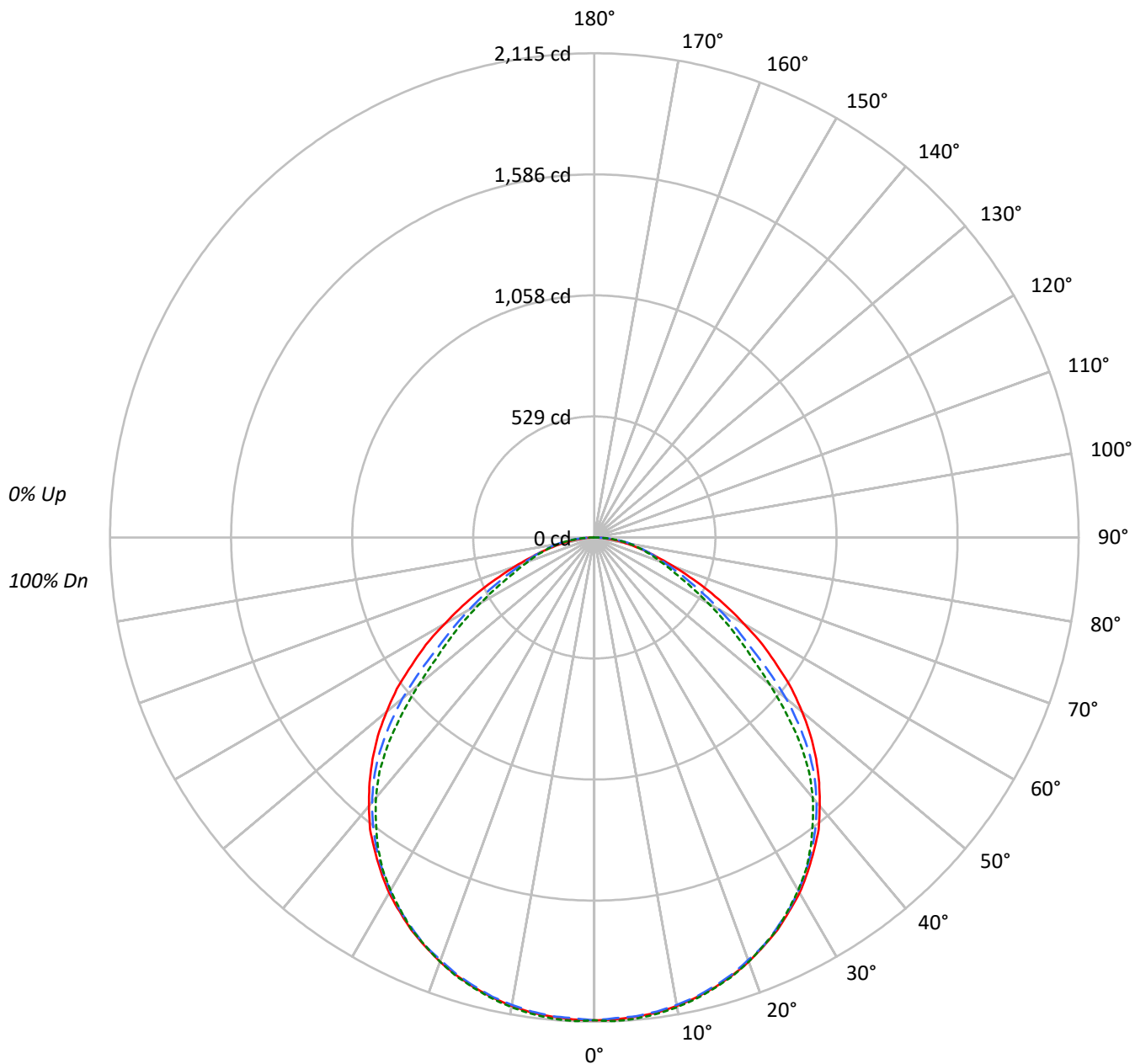
Lumens per Lamp: N/A
Luminaire Lumens: 5260.0 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	200.0	3.8
10°-20°	573.9	10.9
20°-30°	869.4	16.5
30°-40°	1035.9	19.7
40°-50°	1013.0	19.3
50°-60°	766.2	14.6
60°-70°	470.8	8.9
70°-80°	250.8	4.8
80°-90°	80.0	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°	1643.3	31.2
0°-40°	2679.2	50.9
0°-60°	4458.4	84.8
0°-90°	5260.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2109	2109	2109	2109	2109	
5°	2102	2104	2099	2107	2109	200
15°	2034	2037	2029	2037	2037	574
25°	1892	1889	1884	1886	1889	871
35°	1671	1668	1658	1650	1648	1045
45°	1370	1362	1326	1282	1271	1054
55°	973	924	828	781	768	871
65°	548	503	462	426	413	545
75°	233	236	239	231	226	250
85°	52	68	83	78	73	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2109.4	2109.4	2109.4	2109.4	2109.4
2.5°	2107.0	2109.4	2101.5	2112.2	2114.6
5°	2101.5	2104.3	2099.1	2107.0	2109.4
7.5°	2093.9	2093.9	2088.7	2096.4	2099.1
10°	2078.4	2078.4	2073.2	2080.8	2083.6
12.5°	2057.7	2057.7	2055.0	2060.1	2062.9
15°	2034.3	2036.7	2029.1	2036.7	2036.7
17.5°	2005.7	2003.2	2000.5	2005.7	2008.4
20°	1971.9	1971.9	1964.3	1969.4	1971.9
22.5°	1932.9	1932.9	1930.5	1932.9	1930.5
25°	1891.5	1888.8	1883.6	1886.3	1888.8
27.5°	1842.2	1842.2	1837.0	1837.0	1834.3
30°	1792.9	1790.2	1782.6	1777.4	1779.8
32.5°	1733.3	1730.5	1722.9	1717.7	1720.2
35°	1670.9	1668.4	1658.1	1650.2	1647.7
37.5°	1608.8	1600.9	1587.8	1577.5	1567.1
40°	1530.9	1523.0	1510.2	1486.7	1484.0
42.5°	1453.0	1445.3	1424.4	1396.0	1388.1
45°	1369.9	1362.3	1325.8	1281.6	1271.3
47.5°	1281.6	1268.8	1211.6	1157.1	1136.4
50°	1183.3	1159.9	1092.3	1022.3	998.9
52.5°	1087.1	1045.7	957.5	895.1	871.9
55°	973.0	923.7	827.8	781.0	767.9
57.5°	871.9	804.4	726.5	679.9	669.6
60°	755.1	692.7	630.6	588.9	573.4
62.5°	648.6	594.1	542.3	505.8	487.9
65°	547.5	503.4	462.0	425.5	412.7
67.5°	448.9	425.5	391.7	363.4	355.5
70°	365.8	352.8	329.6	316.5	306.2
72.5°	290.6	295.8	280.3	275.1	267.2
75°	233.4	236.2	238.6	231.0	225.8
77.5°	176.5	189.3	199.7	194.5	189.3
80°	132.4	145.2	163.4	155.8	155.8
82.5°	90.7	106.5	122.0	116.9	114.1
85°	52.0	67.6	83.1	77.9	72.7
87.5°	20.7	33.8	36.2	36.2	33.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)