

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: P1050603

Luminaire Tested: 24PTR-60-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PB1-L935-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

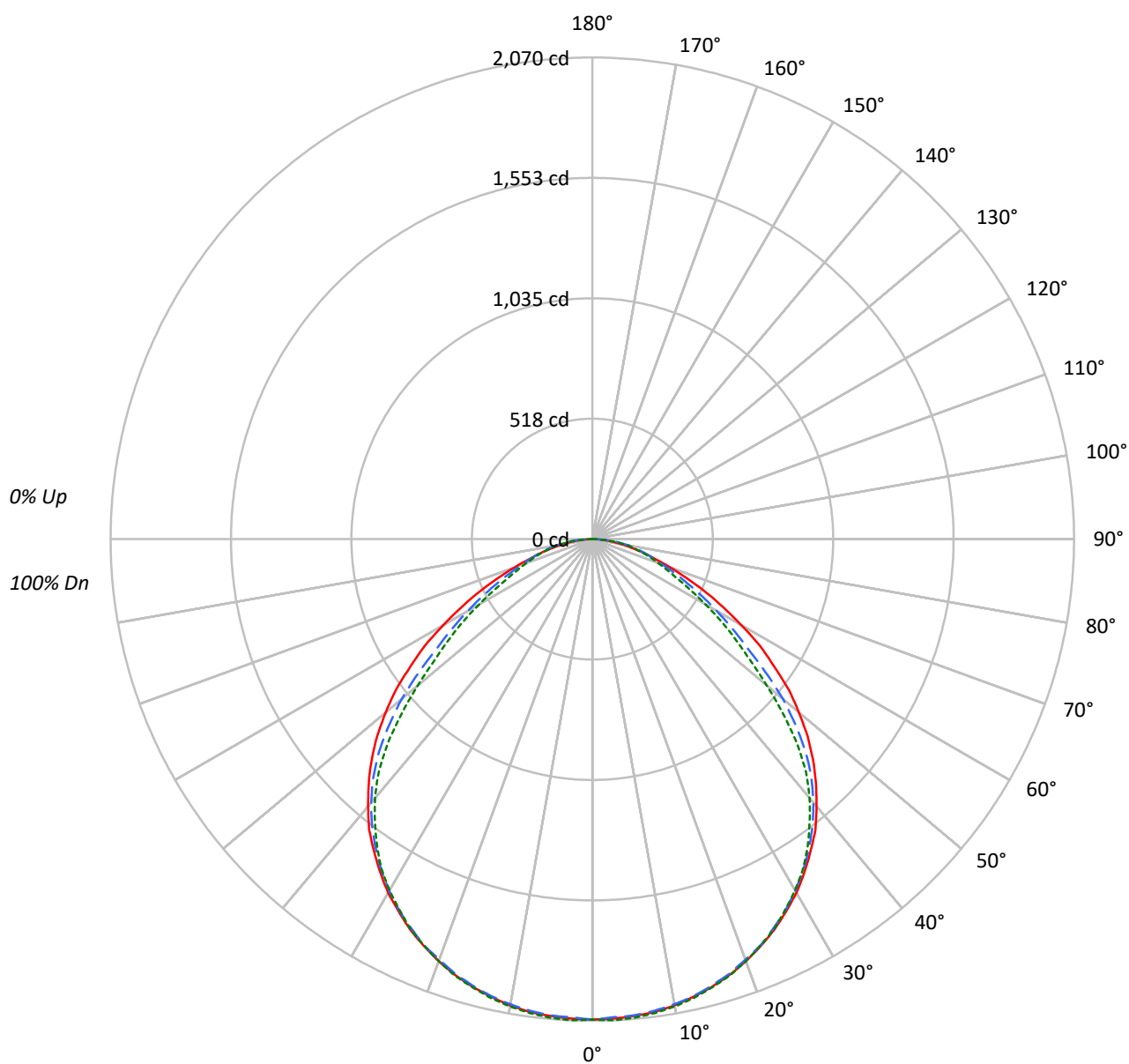
Lumens per Lamp: N/A
Luminaire Lumens: 5148.8 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	2778	2778	2778
5°	2778	2775	2789
10°	2779	2773	2786
15°	2774	2767	2777
20°	2764	2753	2764
25°	2749	2737	2745
30°	2727	2711	2707
35°	2686	2666	2649
40°	2632	2596	2551
45°	2551	2469	2368
50°	2425	2238	2047
55°	2234	1901	1763
60°	1989	1661	1510
65°	1706	1440	1286
70°	1409	1269	1179
75°	1188	1214	1149
80°	1004	1240	1182
85°	786	1255	1099

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2551 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.8	3.8
10°-20°	561.8	10.9
20°-30°	851.0	16.5
30°-40°	1014.0	19.7
40°-50°	991.6	19.3
50°-60°	750.0	14.6
60°-70°	460.8	8.9
70°-80°	245.5	4.8
80°-90°	78.3	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°	1608.5	31.2
0°-40°	2622.5	50.9
0°-60°	4364.1	84.8
0°-90°	5148.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5148.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2065	2065	2065	2065	2065	
5°	2057	2060	2055	2062	2065	196
15°	1991	1994	1986	1994	1994	562
25°	1852	1849	1844	1846	1849	853
35°	1636	1633	1623	1615	1613	1023
45°	1341	1333	1298	1254	1244	1031
55°	952	904	810	764	752	853
65°	536	493	452	416	404	533
75°	228	231	234	226	221	245
85°	51	66	81	76	71	61
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2064.8	2064.8	2064.8	2064.8	2064.8
2.5°	2062.4	2064.8	2057.1	2067.5	2069.9
5°	2057.1	2059.8	2054.7	2062.4	2064.8
7.5°	2049.6	2049.6	2044.6	2052.0	2054.7
10°	2034.4	2034.4	2029.4	2036.8	2039.5
12.5°	2014.2	2014.2	2011.5	2016.6	2019.2
15°	1991.2	1993.6	1986.2	1993.6	1993.6
17.5°	1963.2	1960.8	1958.2	1963.2	1965.9
20°	1930.2	1930.2	1922.7	1927.8	1930.2
22.5°	1892.1	1892.1	1889.7	1892.1	1889.7
25°	1851.5	1848.9	1843.8	1846.5	1848.9
27.5°	1803.3	1803.3	1798.2	1798.2	1795.5
30°	1755.0	1752.3	1744.9	1739.8	1742.2
32.5°	1696.6	1693.9	1686.5	1681.4	1683.8
35°	1635.5	1633.1	1623.0	1615.3	1612.9
37.5°	1574.8	1567.0	1554.2	1544.1	1534.0
40°	1498.5	1490.8	1478.2	1455.3	1452.6
42.5°	1422.2	1414.8	1394.2	1366.5	1358.8
45°	1340.9	1333.4	1297.7	1254.5	1244.4
47.5°	1254.5	1242.0	1186.0	1132.7	1112.4
50°	1158.3	1135.3	1069.2	1000.7	977.8
52.5°	1064.1	1023.6	937.2	876.2	853.5
55°	952.4	904.2	810.3	764.4	751.6
57.5°	853.5	787.4	711.1	665.5	655.4
60°	739.1	678.1	617.3	576.5	561.3
62.5°	634.9	581.5	530.9	495.1	477.5
65°	535.9	492.7	452.2	416.5	404.0
67.5°	439.4	416.5	383.4	355.7	348.0
70°	358.1	345.3	322.6	309.8	299.7
72.5°	284.5	289.6	274.4	269.3	261.6
75°	228.5	231.2	233.6	226.1	221.0
77.5°	172.8	185.3	195.4	190.4	185.3
80°	129.6	142.1	160.0	152.5	152.5
82.5°	88.8	104.3	119.5	114.4	111.7
85°	50.9	66.1	81.3	76.3	71.2
87.5°	20.3	33.1	35.5	35.5	33.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)