

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: P1050922

Luminaire Tested: 24PTR-60-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PP3-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

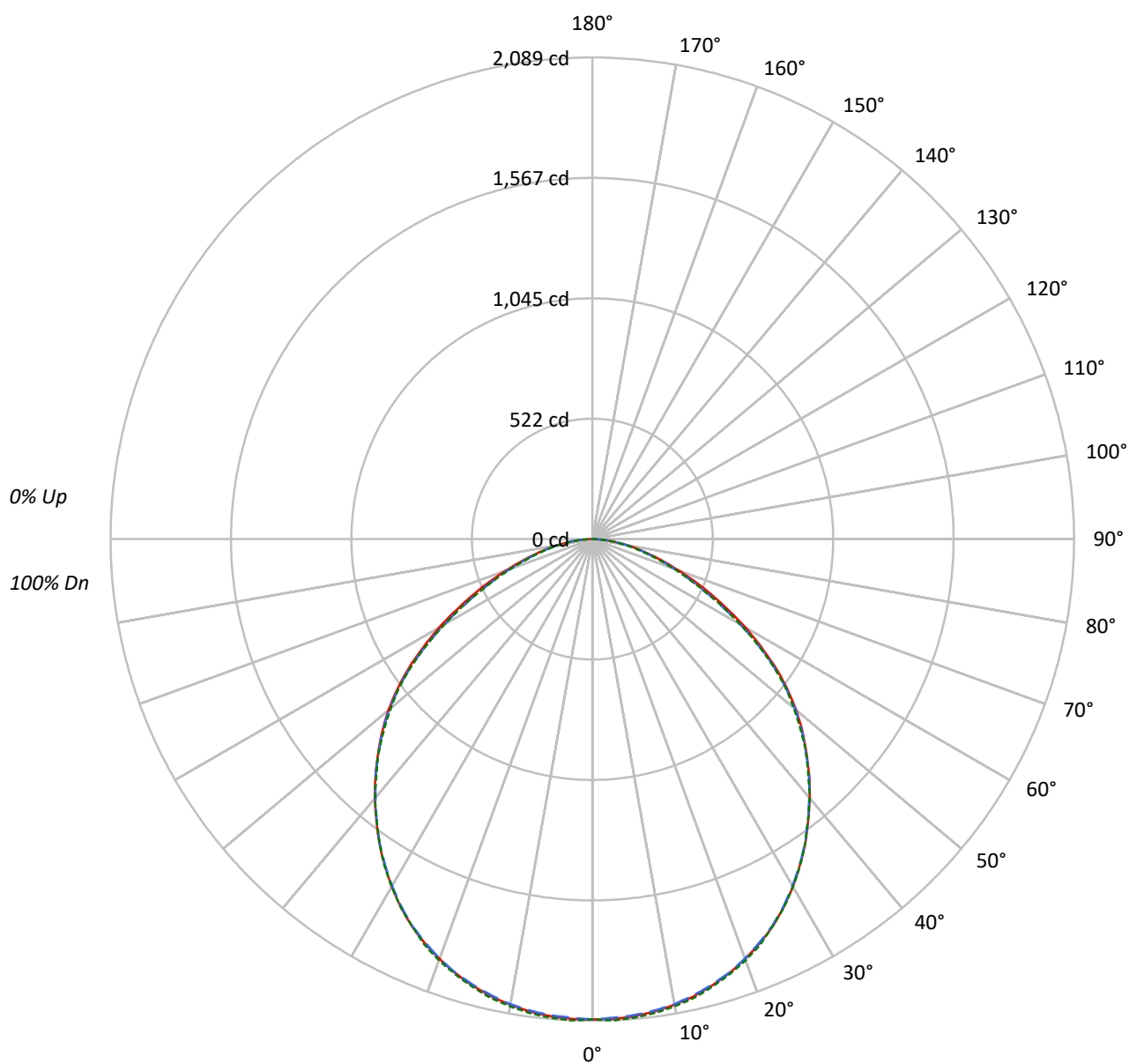
Lumens per Lamp: N/A
Luminaire Lumens: 5382.5 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	2803	2803	2803
5°	2806	2799	2814
10°	2801	2797	2811
15°	2792	2787	2800
20°	2774	2772	2783
25°	2749	2745	2748
30°	2703	2697	2703
35°	2644	2641	2643
40°	2576	2568	2575
45°	2499	2492	2495
50°	2416	2404	2387
55°	2274	2248	2240
60°	2064	1994	1998
65°	1812	1721	1719
70°	1567	1496	1479
75°	1355	1305	1277
80°	1201	1184	1130
85°	993	1027	966

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2508 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	3.7
10°-20°	566.0	10.5
20°-30°	852.1	15.8
30°-40°	1005.7	18.7
40°-50°	1011.4	18.8
50°-60°	853.9	15.9
60°-70°	548.4	10.2
70°-80°	272.7	5.1
80°-90°	74.7	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°	1615.6	30.0
0°-40°	2621.3	48.7
0°-60°	4486.7	83.4
0°-90°	5382.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5382.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2083	2083	2083	2083	2083	
5°	2077	2078	2072	2082	2084	197
15°	2005	2005	2001	2010	2010	566
25°	1852	1852	1849	1852	1851	852
35°	1610	1611	1608	1609	1609	1006
45°	1313	1318	1310	1311	1311	1014
55°	969	968	958	954	955	862
65°	569	561	541	535	540	568
75°	261	259	251	249	246	282
85°	64	66	66	63	63	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2083.2	2083.2	2083.2	2083.2	2083.2
2.5°	2082.4	2083.2	2077.7	2087.6	2089.3
5°	2077.2	2077.7	2072.5	2082.4	2083.8
7.5°	2066.5	2067.3	2062.6	2071.7	2073.3
10°	2050.5	2053.0	2047.5	2056.0	2057.4
12.5°	2031.0	2031.8	2026.3	2036.2	2037.9
15°	2004.6	2005.2	2000.8	2009.9	2009.9
17.5°	1974.1	1975.0	1971.9	1979.6	1978.8
20°	1937.3	1939.5	1935.7	1940.9	1943.9
22.5°	1897.2	1898.0	1893.4	1900.2	1903.3
25°	1851.9	1852.4	1848.9	1852.4	1851.0
27.5°	1798.8	1800.2	1795.0	1798.8	1799.7
30°	1739.8	1743.6	1736.2	1739.2	1739.8
32.5°	1676.3	1678.5	1673.3	1674.1	1678.0
35°	1609.8	1610.6	1607.6	1609.0	1609.0
37.5°	1538.1	1541.1	1536.5	1538.6	1535.6
40°	1466.9	1463.9	1462.3	1463.9	1466.1
42.5°	1391.9	1392.8	1390.6	1388.9	1385.3
45°	1313.3	1318.0	1309.5	1311.1	1311.1
47.5°	1236.4	1237.0	1232.6	1227.9	1224.9
50°	1154.0	1154.0	1148.5	1144.9	1140.2
52.5°	1063.9	1062.5	1056.4	1052.6	1054.8
55°	969.3	968.5	958.1	954.2	955.1
57.5°	865.8	867.4	851.5	847.6	847.6
60°	766.9	759.2	741.0	735.8	742.4
62.5°	663.0	653.9	634.4	634.4	639.6
65°	569.3	561.1	540.7	535.2	539.9
67.5°	481.7	474.0	455.3	452.3	453.6
70°	398.4	391.8	380.3	373.4	375.9
72.5°	326.7	320.6	313.0	307.7	304.7
75°	260.7	259.4	251.1	248.7	245.6
77.5°	206.3	205.8	198.9	195.9	192.9
80°	155.0	154.1	152.8	148.1	145.9
82.5°	110.5	110.5	109.6	105.8	103.6
85°	64.3	66.5	66.5	62.6	62.6
87.5°	25.8	27.2	25.8	25.8	25.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)