

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: P1050746

Luminaire Tested: 24PTR-60-PL1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PL1-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

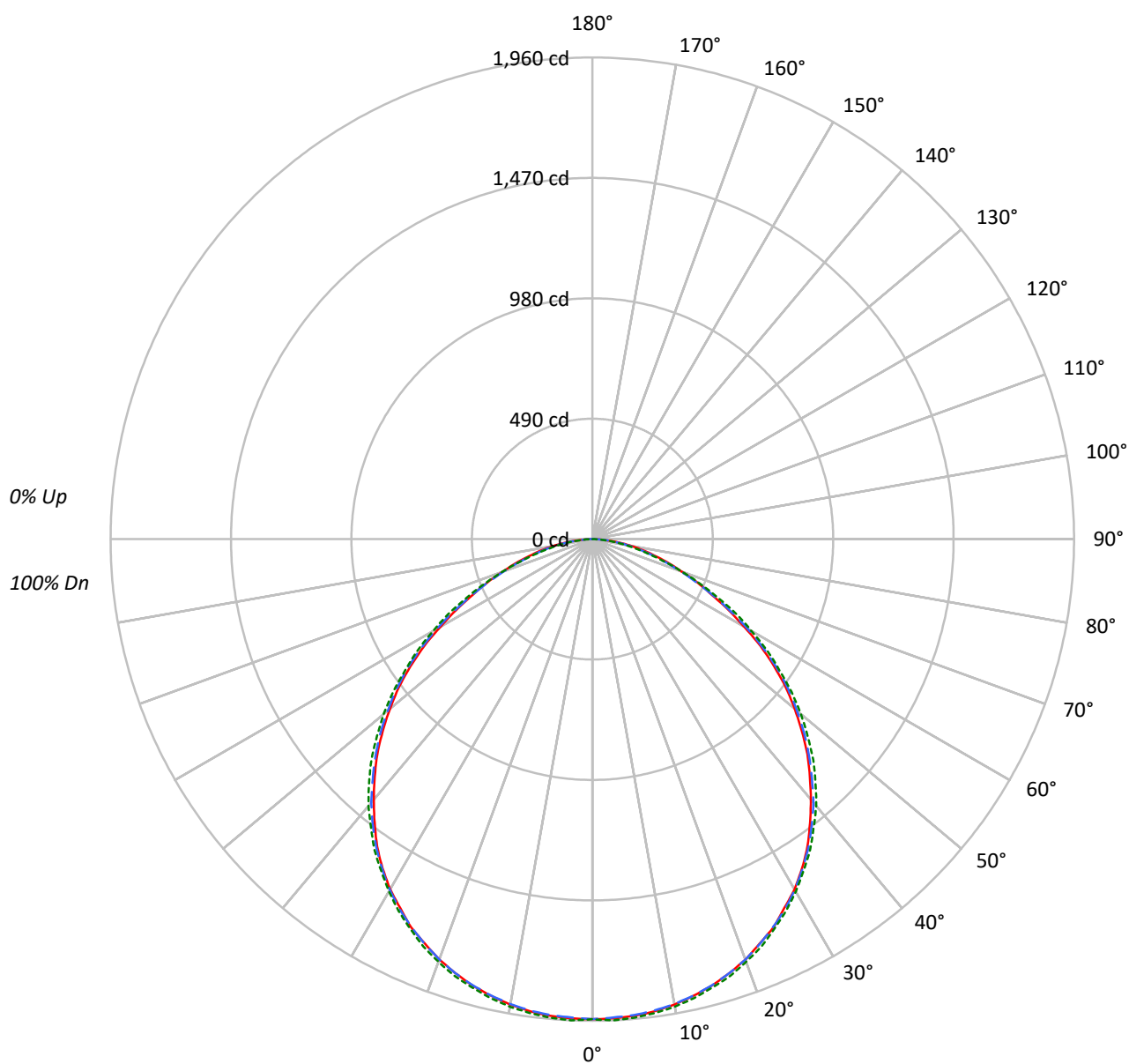
Lumens per Lamp: N/A
Luminaire Lumens: 5149.7 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050746

CATALOG NUMBER: 24PTR-60-PL1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050746

CATALOG NUMBER: 24PTR-60-PL1-L930-UNV-STD-W

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	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2629	2629	2629
5°	2631	2626	2640
10°	2627	2625	2639
15°	2619	2618	2632
20°	2606	2606	2621
25°	2589	2585	2599
30°	2556	2560	2572
35°	2507	2517	2537
40°	2429	2458	2489
45°	2354	2373	2419
50°	2250	2274	2319
55°	2119	2153	2179
60°	1922	1963	2012
65°	1707	1726	1795
70°	1526	1495	1532
75°	1377	1298	1272
80°	1251	1161	1031
85°	1059	962	829

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2419 cd/sqm

TEST NUMBER: P1050746

CATALOG NUMBER: 24PTR-60-PL1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.3	3.6
10°-20°	531.5	10.3
20°-30°	804.0	15.6
30°-40°	958.3	18.6
40°-50°	963.6	18.7
50°-60°	817.8	15.9
60°-70°	544.6	10.6
70°-80°	271.9	5.3
80°-90°	72.7	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°	1520.8	29.5
0°-40°	2479.1	48.1
0°-60°	4260.6	82.7
0°-90°	5149.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5149.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1954	1954	1954	1954	1954	
5°	1948	1948	1944	1953	1955	185
15°	1880	1883	1880	1888	1889	531
25°	1744	1744	1741	1750	1751	802
35°	1526	1528	1532	1543	1545	952
45°	1237	1239	1247	1264	1271	952
55°	903	910	918	927	929	805
65°	536	541	542	550	564	538
75°	265	261	250	244	245	284
85°	69	67	62	59	54	79
90°	0	0	0	0	0	

TEST NUMBER: P1050746

CATALOG NUMBER: 24PTR-60-PL1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1953.6	1953.6	1953.6	1953.6	1953.6
2.5°	1952.1	1953.6	1948.4	1957.9	1960.2
5°	1947.9	1948.4	1944.2	1952.9	1955.0
7.5°	1938.4	1939.2	1934.7	1944.2	1945.5
10°	1923.1	1924.7	1921.0	1929.7	1931.8
12.5°	1903.7	1905.8	1902.1	1911.6	1913.1
15°	1880.5	1882.6	1879.7	1887.6	1889.2
17.5°	1852.1	1853.7	1852.1	1859.5	1863.7
20°	1820.3	1820.3	1820.3	1826.9	1830.6
22.5°	1780.6	1784.3	1782.7	1791.4	1795.1
25°	1743.8	1743.8	1741.4	1749.6	1750.9
27.5°	1692.2	1698.0	1697.5	1704.6	1706.2
30°	1645.1	1646.7	1647.5	1652.5	1655.4
32.5°	1588.1	1589.4	1591.7	1598.8	1599.6
35°	1526.5	1528.1	1532.3	1543.1	1544.7
37.5°	1455.0	1462.9	1466.6	1478.1	1479.4
40°	1383.2	1388.2	1399.2	1411.3	1417.1
42.5°	1310.1	1315.8	1322.4	1339.0	1344.3
45°	1236.9	1239.0	1247.2	1263.8	1271.1
47.5°	1155.9	1162.5	1169.6	1184.1	1188.5
50°	1074.9	1082.0	1086.5	1099.4	1108.1
52.5°	993.1	999.7	1004.7	1012.6	1021.3
55°	903.4	909.8	917.9	926.6	928.7
57.5°	812.2	819.3	824.5	833.7	843.2
60°	714.3	722.5	729.6	738.3	747.7
62.5°	623.3	626.8	634.1	648.6	662.3
65°	536.3	540.8	542.1	550.2	563.9
67.5°	464.0	464.0	457.4	460.3	475.5
70°	387.9	385.0	380.1	377.2	389.5
72.5°	326.4	322.7	311.9	306.9	313.5
75°	264.9	261.2	249.6	243.8	244.6
77.5°	212.8	207.0	197.5	187.5	185.4
80°	161.5	159.1	149.9	140.4	133.1
82.5°	114.4	109.4	104.2	98.4	92.6
85°	68.6	67.3	62.3	58.7	53.7
87.5°	28.1	28.1	26.8	25.2	23.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)