

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: P1050768

Luminaire Tested: 24PTR-60-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050768
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-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

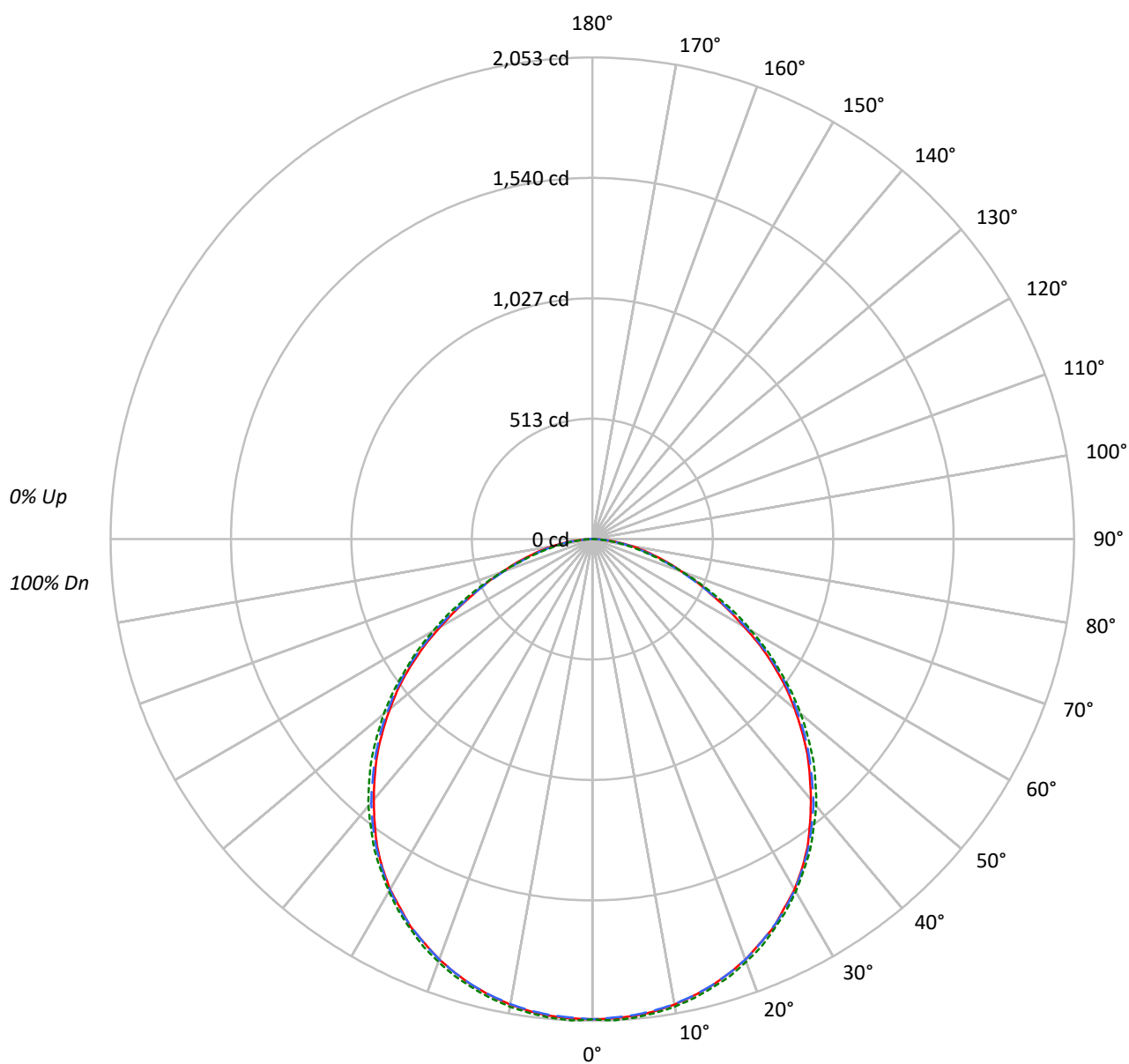
Lumens per Lamp: N/A
Luminaire Lumens: 5394.2 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050768

CATALOG NUMBER: 24PTR-60-PL1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050768

CATALOG NUMBER: 24PTR-60-PL1-L940-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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2753	2753	2753
5°	2756	2751	2766
10°	2752	2749	2765
15°	2744	2743	2757
20°	2730	2730	2745
25°	2712	2708	2723
30°	2677	2681	2694
35°	2626	2636	2658
40°	2545	2574	2607
45°	2465	2486	2534
50°	2357	2382	2430
55°	2220	2255	2282
60°	2013	2056	2108
65°	1788	1808	1881
70°	1599	1566	1605
75°	1442	1359	1332
80°	1311	1216	1080
85°	1110	1008	868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2534 cd/sqm

TEST NUMBER: P1050768

CATALOG NUMBER: 24PTR-60-PL1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.1	3.6
10°-20°	556.7	10.3
20°-30°	842.1	15.6
30°-40°	1003.8	18.6
40°-50°	1009.4	18.7
50°-60°	856.7	15.9
60°-70°	570.4	10.6
70°-80°	284.8	5.3
80°-90°	76.2	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°	1593.0	29.5
0°-40°	2596.8	48.1
0°-60°	4462.8	82.7
0°-90°	5394.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5394.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2046	2046	2046	2046	2046	
5°	2040	2041	2036	2046	2048	194
15°	1970	1972	1969	1977	1979	556
25°	1826	1826	1824	1833	1834	840
35°	1599	1601	1605	1616	1618	997
45°	1296	1298	1306	1324	1332	997
55°	946	953	962	971	973	843
65°	562	566	568	576	591	563
75°	277	274	261	255	256	298
85°	72	70	65	61	56	83
90°	0	0	0	0	0	

TEST NUMBER: P1050768

CATALOG NUMBER: 24PTR-60-PL1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2046.4	2046.4	2046.4	2046.4	2046.4
2.5°	2044.7	2046.4	2040.9	2050.8	2053.3
5°	2040.3	2040.9	2036.5	2045.6	2047.8
7.5°	2030.4	2031.2	2026.5	2036.5	2037.8
10°	2014.4	2016.1	2012.2	2021.3	2023.5
12.5°	1994.0	1996.2	1992.4	2002.3	2004.0
15°	1969.8	1972.0	1969.0	1977.2	1978.9
17.5°	1940.0	1941.7	1940.0	1947.8	1952.2
20°	1906.7	1906.7	1906.7	1913.6	1917.4
22.5°	1865.1	1869.0	1867.3	1876.4	1880.3
25°	1826.5	1826.5	1824.1	1832.6	1834.0
27.5°	1772.5	1778.6	1778.0	1785.5	1787.1
30°	1723.2	1724.9	1725.7	1730.9	1734.0
32.5°	1663.4	1664.8	1667.3	1674.7	1675.6
35°	1599.0	1600.6	1605.0	1616.3	1618.0
37.5°	1524.0	1532.3	1536.2	1548.3	1549.7
40°	1448.8	1454.1	1465.6	1478.3	1484.4
42.5°	1372.2	1378.3	1385.2	1402.5	1408.1
45°	1295.7	1297.9	1306.4	1323.8	1331.5
47.5°	1210.8	1217.7	1225.1	1240.3	1245.0
50°	1126.0	1133.4	1138.1	1151.6	1160.7
52.5°	1040.3	1047.2	1052.4	1060.7	1069.7
55°	946.3	952.9	961.5	970.6	972.8
57.5°	850.7	858.2	863.7	873.3	883.2
60°	748.2	756.8	764.2	773.3	783.2
62.5°	652.9	656.5	664.2	679.4	693.7
65°	561.7	566.4	567.8	576.3	590.7
67.5°	486.0	486.0	479.1	482.1	498.1
70°	406.4	403.3	398.1	395.1	408.0
72.5°	341.9	338.0	326.7	321.5	328.4
75°	277.4	273.6	261.4	255.4	256.2
77.5°	222.9	216.8	206.9	196.4	194.2
80°	169.2	166.7	157.0	147.1	139.4
82.5°	119.8	114.6	109.1	103.0	97.0
85°	71.9	70.5	65.3	61.4	56.2
87.5°	29.5	29.5	28.1	26.4	25.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)