

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: P1050537

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-L940-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

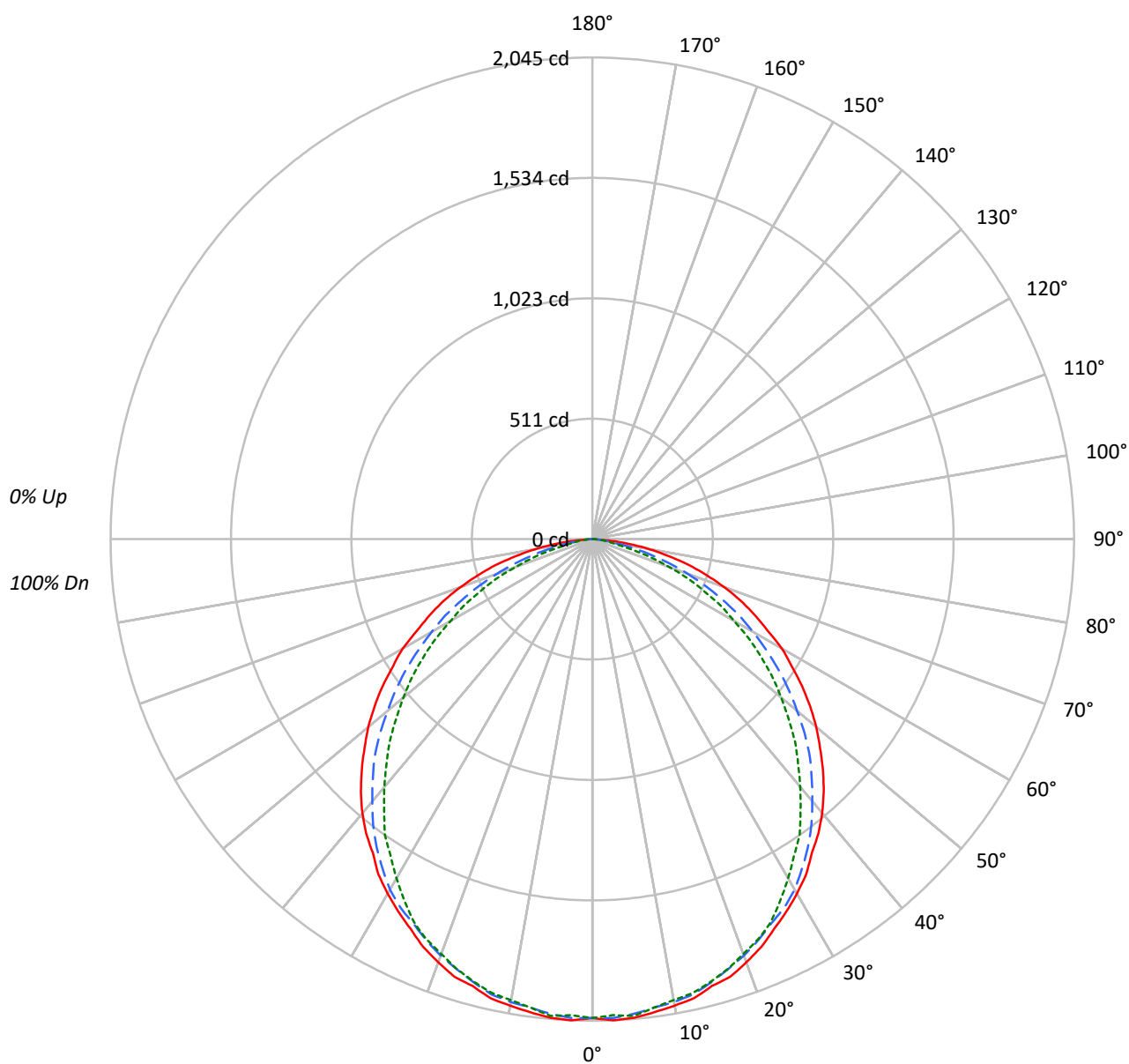
Lumens per Lamp: N/A
Luminaire Lumens: 5415.0 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050537

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

Luminous Intensity Polar Plot



TEST NUMBER: P1050537

CATALOG NUMBER: 24PTR-60-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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2735	2735	2735
5°	2756	2733	2744
10°	2748	2726	2715
15°	2736	2714	2709
20°	2737	2694	2684
25°	2711	2671	2662
30°	2699	2669	2583
35°	2669	2621	2520
40°	2667	2552	2412
45°	2633	2486	2315
50°	2598	2375	2190
55°	2548	2264	2056
60°	2502	2118	1867
65°	2417	1943	1669
70°	2339	1691	1362
75°	2197	1334	938
80°	1905	807	563
85°	1271	579	542

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2633 cd/sqm

TEST NUMBER: P1050537

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	3.6
10°-20°	551.4	10.2
20°-30°	832.9	15.4
30°-40°	990.3	18.3
40°-50°	1004.4	18.5
50°-60°	872.2	16.1
60°-70°	619.1	11.4
70°-80°	295.9	5.5
80°-90°	56.1	1.0
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°	1577.0	29.1
0°-40°	2567.4	47.4
0°-60°	4443.9	82.1
0°-90°	5415.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5415.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2033	2033	2033	2033	2033	
5°	2040	2033	2023	2028	2032	194
15°	1964	1969	1948	1946	1944	556
25°	1826	1823	1799	1806	1793	843
35°	1625	1622	1596	1541	1534	1021
45°	1384	1372	1306	1237	1217	1068
55°	1086	1053	965	908	877	970
65°	759	702	610	545	524	752
75°	423	345	257	203	180	443
85°	82	44	38	36	35	104
90°	0	0	0	0	0	

TEST NUMBER: P1050537

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2032.9	2032.9	2032.9	2032.9	2032.9
2.5°	2045.0	2037.7	2035.3	2043.8	2023.2
5°	2040.2	2032.9	2023.2	2028.1	2031.7
7.5°	2025.6	2019.6	2006.3	2017.2	2006.3
10°	2011.1	2005.1	1995.4	1999.0	1986.9
12.5°	1996.6	1982.1	1979.6	1982.1	1973.6
15°	1963.9	1968.7	1948.2	1945.7	1944.5
17.5°	1948.2	1936.0	1914.2	1915.5	1913.0
20°	1911.8	1897.3	1881.6	1879.1	1874.3
22.5°	1874.3	1857.3	1842.8	1850.1	1839.2
25°	1825.9	1823.4	1799.2	1806.5	1793.2
27.5°	1783.5	1775.0	1764.1	1748.4	1729.0
30°	1737.5	1729.0	1718.1	1676.9	1662.4
32.5°	1689.0	1679.4	1657.6	1609.1	1593.4
35°	1624.9	1622.4	1595.8	1541.3	1534.1
37.5°	1576.4	1549.8	1528.0	1472.3	1451.7
40°	1518.3	1503.8	1452.9	1399.7	1373.0
42.5°	1454.2	1437.2	1379.1	1322.2	1293.1
45°	1383.9	1371.8	1306.4	1237.4	1216.8
47.5°	1311.3	1300.4	1222.9	1156.3	1129.7
50°	1241.1	1227.7	1134.5	1070.3	1046.1
52.5°	1164.8	1143.0	1051.0	988.0	965.0
55°	1086.1	1053.4	965.0	908.1	876.6
57.5°	1002.5	972.3	874.2	814.9	789.4
60°	929.9	887.5	787.0	726.5	693.8
62.5°	836.7	800.3	704.7	633.2	617.5
65°	759.2	702.3	610.2	544.9	524.3
67.5°	680.5	613.9	520.6	454.0	443.1
70°	594.5	525.5	429.8	364.4	346.3
72.5°	507.3	439.5	346.3	277.3	266.4
75°	422.6	345.1	256.7	203.4	180.4
77.5°	330.5	260.3	180.4	124.7	110.2
80°	245.8	175.6	104.1	73.9	72.6
82.5°	161.0	101.7	55.7	56.9	54.5
85°	82.3	43.6	37.5	36.3	35.1
87.5°	15.7	17.0	18.2	18.2	18.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)