

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: P1050592

Luminaire Tested: 24PTR-60-PB1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050592
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-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

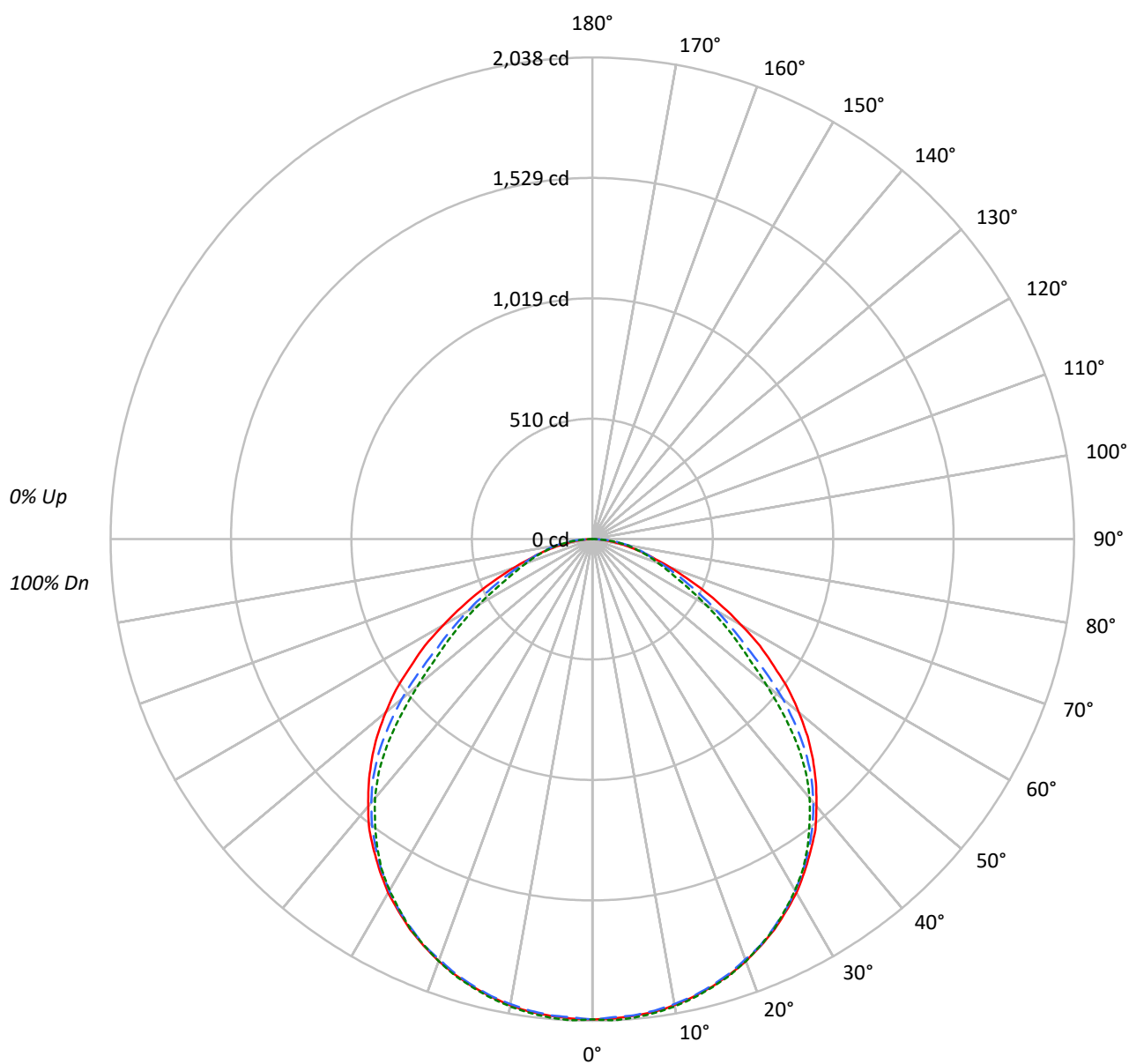
Lumens per Lamp: N/A
Luminaire Lumens: 5068.3 lumens
Efficiency: N/A
Efficacy: 99.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2735	2735	2735
5°	2735	2732	2745
10°	2736	2729	2743
15°	2730	2723	2734
20°	2720	2710	2720
25°	2706	2695	2702
30°	2684	2669	2664
35°	2644	2624	2608
40°	2591	2556	2511
45°	2512	2431	2331
50°	2387	2203	2015
55°	2199	1871	1736
60°	1958	1635	1487
65°	1680	1417	1266
70°	1387	1249	1161
75°	1169	1195	1131
80°	989	1220	1163
85°	773	1237	1082

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2512 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.7	3.8
10°-20°	553.0	10.9
20°-30°	837.7	16.5
30°-40°	998.1	19.7
40°-50°	976.1	19.3
50°-60°	738.3	14.6
60°-70°	453.6	8.9
70°-80°	241.7	4.8
80°-90°	77.1	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°	1583.4	31.2
0°-40°	2581.5	50.9
0°-60°	4295.9	84.8
0°-90°	5068.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5068.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2032	2032	2032	2032	2032	
5°	2025	2028	2023	2030	2032	193
15°	1960	1962	1955	1962	1962	553
25°	1823	1820	1815	1818	1820	839
35°	1610	1608	1598	1590	1588	1007
45°	1320	1313	1277	1235	1225	1015
55°	938	890	798	752	740	840
65°	528	485	445	410	398	525
75°	225	228	230	223	218	241
85°	50	65	80	75	70	60
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2032.5	2032.5	2032.5	2032.5	2032.5
2.5°	2030.2	2032.5	2024.9	2035.2	2037.5
5°	2024.9	2027.6	2022.6	2030.2	2032.5
7.5°	2017.6	2017.6	2012.6	2019.9	2022.6
10°	2002.6	2002.6	1997.6	2005.0	2007.6
12.5°	1982.7	1982.7	1980.1	1985.0	1987.7
15°	1960.1	1962.5	1955.1	1962.5	1962.5
17.5°	1932.5	1930.2	1927.6	1932.5	1935.2
20°	1900.0	1900.0	1892.6	1897.6	1900.0
22.5°	1862.5	1862.5	1860.1	1862.5	1860.1
25°	1822.6	1819.9	1815.0	1817.6	1819.9
27.5°	1775.1	1775.1	1770.1	1770.1	1767.5
30°	1727.6	1724.9	1717.6	1712.6	1715.0
32.5°	1670.1	1667.5	1660.1	1655.1	1657.5
35°	1610.0	1607.6	1597.6	1590.0	1587.7
37.5°	1550.1	1542.5	1529.9	1519.9	1510.0
40°	1475.1	1467.5	1455.1	1432.5	1429.9
42.5°	1400.0	1392.7	1372.4	1345.1	1337.5
45°	1319.9	1312.6	1277.4	1234.9	1224.9
47.5°	1234.9	1222.6	1167.5	1115.0	1095.0
50°	1140.2	1117.6	1052.5	985.0	962.5
52.5°	1047.5	1007.6	922.6	862.5	840.2
55°	937.5	890.0	797.6	752.5	739.9
57.5°	840.2	775.1	700.0	655.1	645.1
60°	727.6	667.5	607.6	567.5	552.5
62.5°	624.9	572.4	522.6	487.4	470.1
65°	527.6	485.0	445.1	410.0	397.6
67.5°	432.5	410.0	377.4	350.1	342.5
70°	352.5	339.9	317.6	305.0	295.0
72.5°	280.1	285.0	270.1	265.1	257.5
75°	224.9	227.6	229.9	222.6	217.6
77.5°	170.1	182.4	192.4	187.4	182.4
80°	127.6	139.9	157.5	150.1	150.1
82.5°	87.4	102.6	117.6	112.6	110.0
85°	50.1	65.1	80.1	75.1	70.1
87.5°	19.9	32.5	34.9	34.9	32.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)