

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: P1051065

Luminaire Tested: 24PTR-60-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051065
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PW1-L935-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

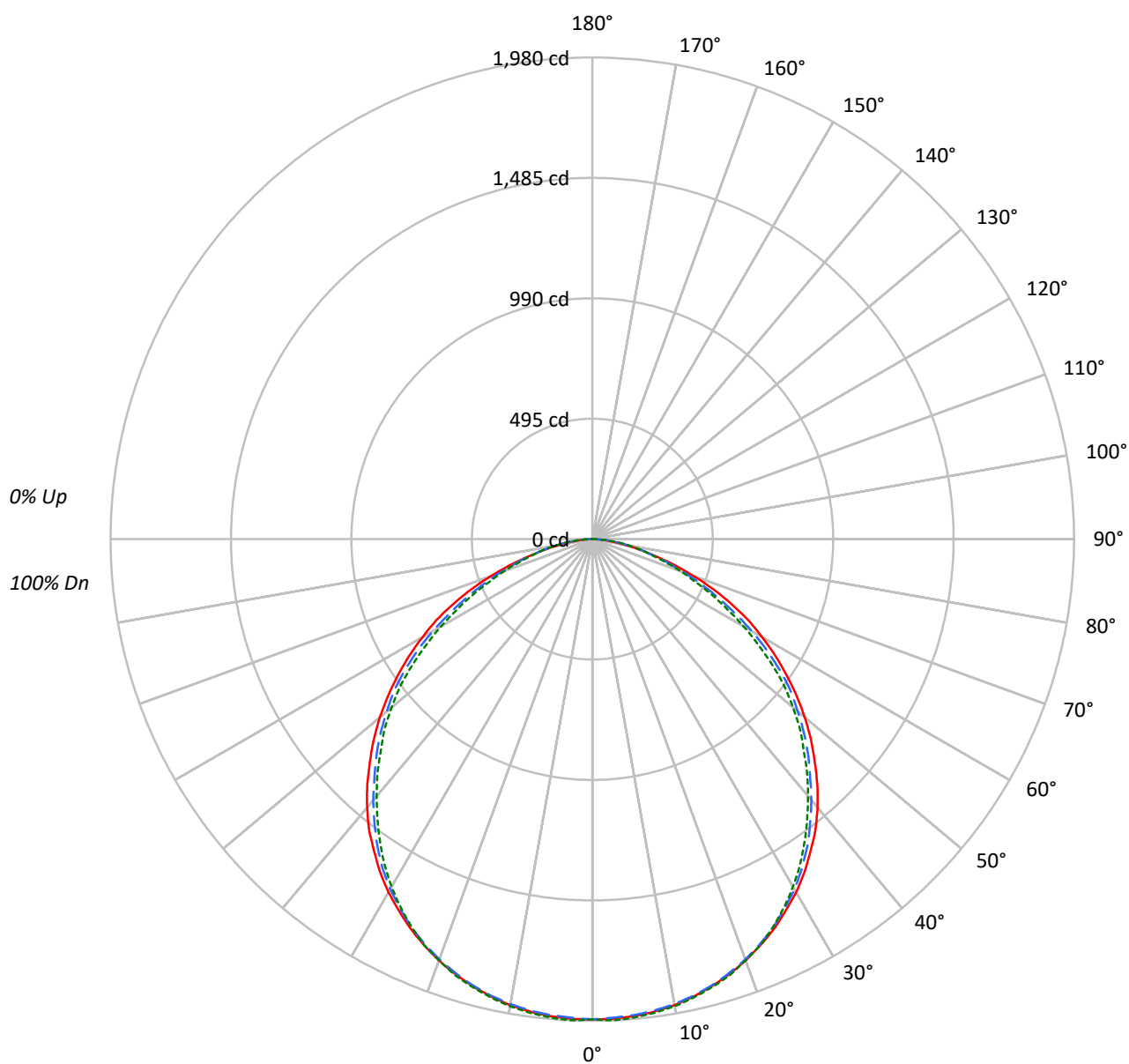
Lumens per Lamp: N/A
Luminaire Lumens: 5239.0 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2656	2656	2656
5°	2658	2653	2666
10°	2657	2651	2664
15°	2649	2645	2655
20°	2638	2632	2638
25°	2624	2613	2611
30°	2604	2581	2563
35°	2569	2530	2498
40°	2529	2460	2422
45°	2460	2387	2338
50°	2385	2307	2254
55°	2286	2209	2121
60°	2167	2039	1933
65°	2005	1821	1731
70°	1738	1585	1526
75°	1387	1357	1319
80°	1055	1178	1178
85°	780	1005	1005

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2460 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.2	3.6
10°-20°	537.0	10.3
20°-30°	811.6	15.5
30°-40°	963.6	18.4
40°-50°	970.9	18.5
50°-60°	839.2	16.0
60°-70°	573.5	10.9
70°-80°	282.8	5.4
80°-90°	73.2	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°	1535.8	29.3
0°-40°	2499.4	47.7
0°-60°	4309.5	82.3
0°-90°	5239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5239.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1974	1974	1974	1974	1974	
5°	1968	1969	1964	1972	1974	187
15°	1902	1904	1899	1906	1906	537
25°	1767	1766	1760	1762	1759	814
35°	1564	1559	1540	1526	1521	979
45°	1293	1278	1254	1240	1229	998
55°	974	972	942	914	904	871
65°	630	607	572	547	544	622
75°	267	265	261	261	254	291
85°	50	59	65	66	65	62
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1974.1	1974.1	1974.1	1974.1	1974.1
2.5°	1973.6	1974.1	1969.1	1977.9	1980.0
5°	1968.3	1969.1	1964.0	1972.0	1974.1
7.5°	1959.0	1960.3	1954.5	1962.4	1964.0
10°	1944.9	1945.7	1940.6	1948.6	1950.2
12.5°	1926.0	1926.6	1922.3	1929.5	1929.5
15°	1901.8	1904.0	1898.9	1905.6	1906.1
17.5°	1874.7	1875.5	1870.5	1877.6	1879.2
20°	1842.6	1842.6	1838.3	1844.2	1842.6
22.5°	1806.7	1806.7	1801.6	1804.5	1805.9
25°	1767.3	1765.7	1759.9	1761.5	1758.6
27.5°	1721.9	1721.9	1711.5	1711.5	1706.5
30°	1675.9	1672.2	1661.3	1654.6	1649.6
32.5°	1623.0	1618.0	1604.1	1592.4	1588.7
35°	1564.0	1558.7	1540.3	1526.5	1520.7
37.5°	1506.8	1495.2	1471.0	1457.1	1450.5
40°	1440.1	1425.5	1400.8	1381.7	1378.7
42.5°	1368.6	1356.9	1324.8	1310.7	1307.2
45°	1292.6	1278.5	1254.3	1239.7	1228.8
47.5°	1217.9	1207.6	1179.9	1162.4	1158.6
50°	1139.5	1130.7	1102.3	1083.4	1076.8
52.5°	1058.4	1052.6	1028.4	1004.2	996.2
55°	974.4	971.5	941.5	913.6	904.0
57.5°	891.8	888.1	850.6	818.4	809.6
60°	805.4	794.5	757.8	727.8	718.2
62.5°	723.5	700.1	660.5	637.1	626.2
65°	629.7	607.1	572.0	547.0	543.6
67.5°	537.7	510.6	483.5	468.1	456.4
70°	441.8	423.4	403.0	389.9	387.8
72.5°	352.5	339.4	329.1	321.1	314.4
75°	266.9	264.7	261.0	261.0	253.8
77.5°	196.2	201.2	204.1	203.3	204.9
80°	136.1	146.2	152.0	152.8	152.0
82.5°	86.4	98.1	107.7	109.0	110.6
85°	50.5	59.3	65.1	66.5	65.1
87.5°	22.6	28.4	30.0	31.4	30.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)