

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: P1050757

Luminaire Tested: 24PTR-60-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050757
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-L935-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

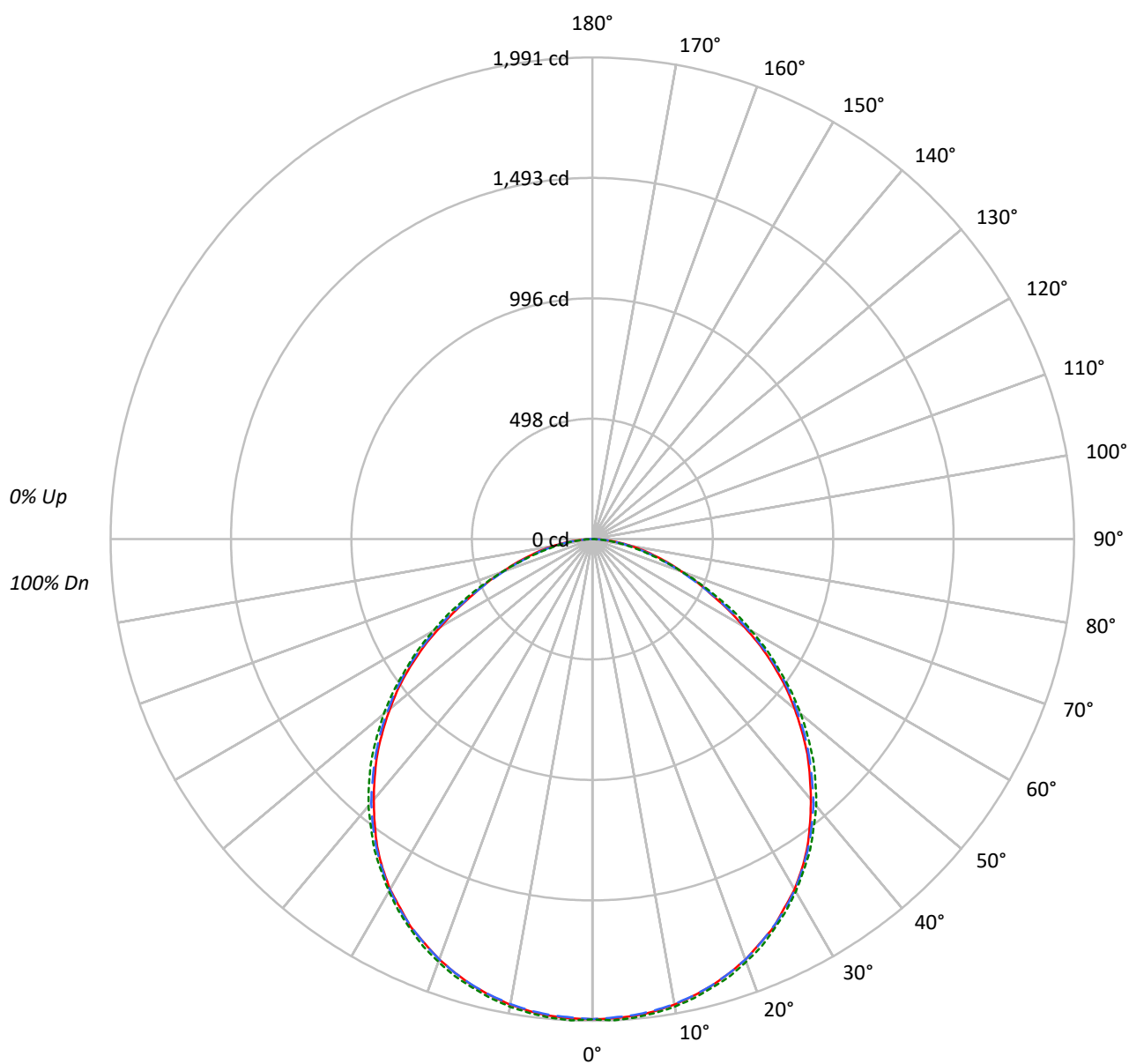
Lumens per Lamp: N/A
Luminaire Lumens: 5231.2 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	2670	2670	2670
5°	2672	2667	2682
10°	2669	2666	2681
15°	2661	2660	2673
20°	2648	2648	2663
25°	2630	2626	2640
30°	2596	2600	2613
35°	2547	2557	2577
40°	2468	2497	2528
45°	2391	2411	2457
50°	2286	2310	2356
55°	2153	2187	2213
60°	1953	1994	2044
65°	1734	1753	1824
70°	1550	1519	1557
75°	1398	1318	1292
80°	1271	1180	1048
85°	1076	977	841

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2457 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.2	3.6
10°-20°	539.9	10.3
20°-30°	816.7	15.6
30°-40°	973.5	18.6
40°-50°	978.9	18.7
50°-60°	830.8	15.9
60°-70°	553.1	10.6
70°-80°	276.2	5.3
80°-90°	73.9	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°	1544.9	29.5
0°-40°	2518.3	48.1
0°-60°	4328.0	82.7
0°-90°	5231.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5231.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1985	1985	1985	1985	1985	
5°	1979	1979	1975	1984	1986	188
15°	1910	1912	1910	1918	1919	539
25°	1771	1771	1769	1777	1779	814
35°	1551	1552	1556	1568	1569	967
45°	1256	1259	1267	1284	1291	967
55°	918	924	932	941	943	818
65°	545	549	551	559	573	546
75°	269	265	254	248	248	289
85°	70	68	63	60	54	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1984.6	1984.6	1984.6	1984.6	1984.6
2.5°	1983.0	1984.6	1979.2	1988.8	1991.2
5°	1978.7	1979.2	1974.9	1983.8	1985.9
7.5°	1969.1	1969.9	1965.3	1974.9	1976.3
10°	1953.6	1955.2	1951.4	1960.2	1962.4
12.5°	1933.8	1935.9	1932.2	1941.8	1943.4
15°	1910.3	1912.4	1909.5	1917.5	1919.1
17.5°	1881.4	1883.0	1881.4	1888.9	1893.2
20°	1849.1	1849.1	1849.1	1855.8	1859.5
22.5°	1808.8	1812.5	1810.9	1819.7	1823.5
25°	1771.4	1771.4	1769.0	1777.2	1778.6
27.5°	1719.0	1724.9	1724.3	1731.5	1733.2
30°	1671.2	1672.8	1673.6	1678.6	1681.6
32.5°	1613.2	1614.5	1616.9	1624.1	1624.9
35°	1550.7	1552.3	1556.5	1567.5	1569.1
37.5°	1478.0	1486.0	1489.8	1501.5	1502.8
40°	1405.1	1410.1	1421.4	1433.6	1439.5
42.5°	1330.8	1336.7	1343.3	1360.2	1365.5
45°	1256.5	1258.7	1266.9	1283.8	1291.2
47.5°	1174.2	1180.9	1188.1	1202.8	1207.4
50°	1091.9	1099.1	1103.7	1116.8	1125.6
52.5°	1008.8	1015.5	1020.6	1028.6	1037.4
55°	917.7	924.2	932.4	941.2	943.4
57.5°	825.0	832.2	837.6	846.9	856.6
60°	725.6	733.9	741.1	750.0	759.6
62.5°	633.2	636.7	644.2	658.8	672.7
65°	544.8	549.3	550.6	558.9	572.8
67.5°	471.3	471.3	464.6	467.6	483.0
70°	394.1	391.1	386.1	383.1	395.7
72.5°	331.6	327.8	316.9	311.8	318.5
75°	269.0	265.3	253.5	247.7	248.5
77.5°	216.1	210.3	200.6	190.5	188.4
80°	164.0	161.6	152.3	142.7	135.2
82.5°	116.2	111.1	105.8	99.9	94.0
85°	69.7	68.4	63.3	59.6	54.5
87.5°	28.6	28.6	27.3	25.6	24.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)