

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: P1050515

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050515
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-L930-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

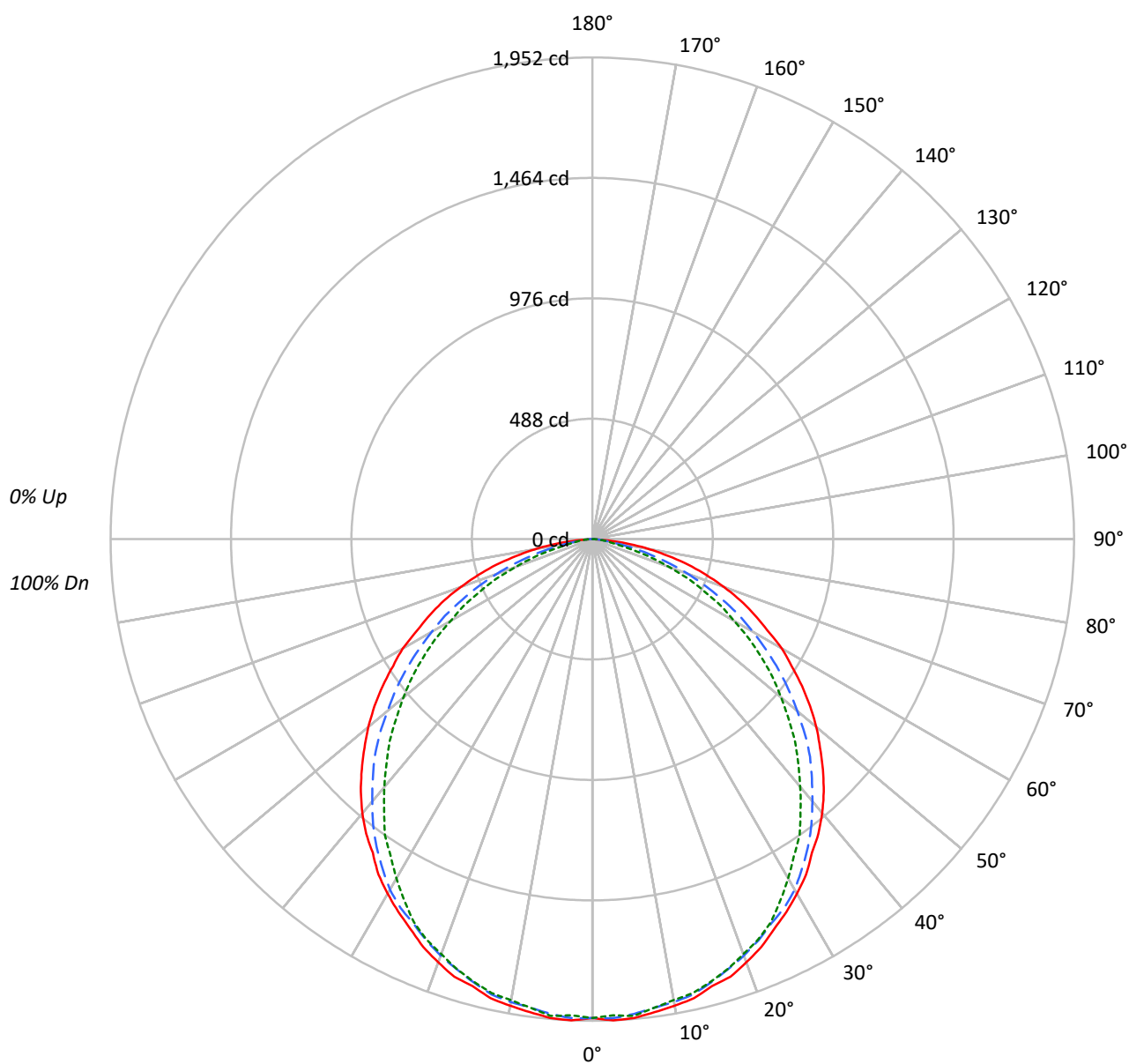
Lumens per Lamp: N/A
Luminaire Lumens: 5169.6 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	2611	2611	2611
5°	2631	2609	2620
10°	2623	2603	2592
15°	2612	2591	2586
20°	2613	2572	2562
25°	2588	2550	2541
30°	2577	2548	2466
35°	2548	2502	2405
40°	2546	2436	2302
45°	2514	2373	2210
50°	2480	2267	2090
55°	2432	2161	1963
60°	2389	2022	1782
65°	2308	1855	1593
70°	2233	1614	1301
75°	2097	1274	895
80°	1819	770	538
85°	1213	553	517

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2514 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.0	3.6
10°-20°	526.4	10.2
20°-30°	795.2	15.4
30°-40°	945.4	18.3
40°-50°	958.9	18.5
50°-60°	832.6	16.1
60°-70°	591.1	11.4
70°-80°	282.5	5.5
80°-90°	53.5	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°	1505.6	29.1
0°-40°	2451.0	47.4
0°-60°	4242.5	82.1
0°-90°	5169.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5169.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1941	1941	1941	1941	1941	
5°	1948	1941	1932	1936	1940	185
15°	1875	1880	1860	1858	1856	531
25°	1743	1741	1718	1725	1712	805
35°	1551	1549	1524	1472	1464	975
45°	1321	1310	1247	1181	1162	1019
55°	1037	1006	921	867	837	926
65°	725	670	583	520	500	718
75°	403	329	245	194	172	423
85°	79	42	36	35	34	99
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1940.8	1940.8	1940.8	1940.8	1940.8
2.5°	1952.3	1945.4	1943.1	1951.2	1931.5
5°	1947.7	1940.8	1931.5	1936.2	1939.6
7.5°	1933.9	1928.1	1915.4	1925.8	1915.4
10°	1920.0	1914.2	1905.0	1908.4	1896.9
12.5°	1906.1	1892.2	1889.9	1892.2	1884.1
15°	1874.9	1879.5	1859.9	1857.6	1856.4
17.5°	1859.9	1848.3	1827.5	1828.7	1826.4
20°	1825.2	1811.3	1796.3	1794.0	1789.4
22.5°	1789.4	1773.2	1759.3	1766.2	1755.8
25°	1743.1	1740.8	1717.7	1724.6	1711.9
27.5°	1702.7	1694.6	1684.2	1669.1	1650.7
30°	1658.7	1650.7	1640.2	1600.9	1587.1
32.5°	1612.5	1603.3	1582.5	1536.2	1521.2
35°	1551.2	1548.9	1523.5	1471.5	1464.5
37.5°	1505.0	1479.6	1458.8	1405.6	1385.9
40°	1449.5	1435.7	1387.1	1336.2	1310.8
42.5°	1388.3	1372.1	1316.6	1262.3	1234.5
45°	1321.2	1309.7	1247.2	1181.3	1161.7
47.5°	1251.9	1241.5	1167.5	1103.9	1078.5
50°	1184.8	1172.1	1083.1	1021.8	998.7
52.5°	1112.0	1091.2	1003.3	943.2	921.3
55°	1036.9	1005.6	921.3	866.9	836.9
57.5°	957.1	928.2	834.6	777.9	753.7
60°	887.7	847.3	751.3	693.6	662.3
62.5°	798.7	764.1	672.7	604.5	589.5
65°	724.8	670.4	582.6	520.2	500.5
67.5°	649.6	586.1	497.0	433.5	423.1
70°	567.6	501.7	410.4	347.9	330.6
72.5°	484.3	419.6	330.6	264.7	254.3
75°	403.4	329.4	245.1	194.2	172.2
77.5°	315.6	248.5	172.2	119.1	105.2
80°	234.7	167.6	99.4	70.5	69.4
82.5°	153.7	97.1	53.2	54.3	52.0
85°	78.6	41.6	35.8	34.7	33.5
87.5°	15.0	16.2	17.3	17.3	17.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)