

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: P1050779

Luminaire Tested: 24PTR-60-PLG-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050779
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PLG-L830-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

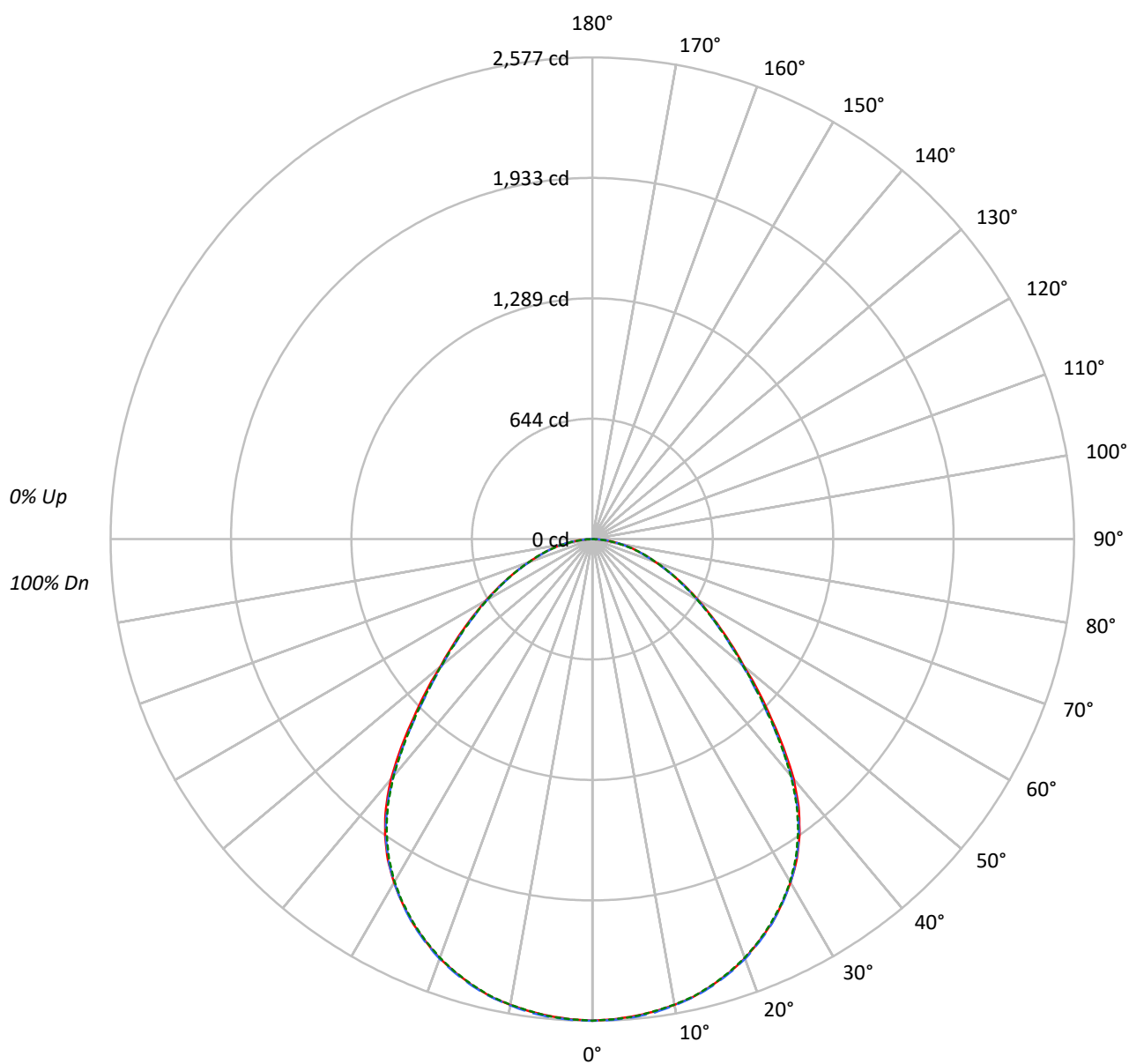
Lumens per Lamp: N/A
Luminaire Lumens: 5806.0 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050779

CATALOG NUMBER: 24PTR-60-PLG-L830-UNV-STD-W

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3467	3467	3467
5°	3460	3468	3463
10°	3458	3460	3455
15°	3444	3449	3441
20°	3417	3422	3412
25°	3369	3372	3361
30°	3296	3296	3287
35°	3175	3166	3151
40°	2942	2910	2900
45°	2571	2530	2540
50°	2220	2193	2205
55°	1973	1943	1947
60°	1767	1742	1742
65°	1584	1572	1578
70°	1424	1410	1424
75°	1321	1302	1321
80°	1233	1219	1176
85°	1045	1045	931

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2571 cd/sqm

TEST NUMBER: P1050779

CATALOG NUMBER: 24PTR-60-PLG-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	4.2
10°-20°	698.0	12.0
20°-30°	1044.5	18.0
30°-40°	1196.6	20.6
40°-50°	1035.0	17.8
50°-60°	749.0	12.9
60°-70°	493.4	8.5
70°-80°	268.5	4.6
80°-90°	77.0	1.3
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°	1986.4	34.2
0°-40°	3183.1	54.8
0°-60°	4967.1	85.6
0°-90°	5806.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5806.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2577	2577	2577	2577	2577	
5°	2562	2568	2568	2568	2564	244
15°	2472	2474	2476	2480	2471	697
25°	2269	2269	2271	2273	2264	1044
35°	1933	1931	1928	1926	1918	1201
45°	1351	1348	1330	1328	1335	1046
55°	841	838	828	823	830	757
65°	497	501	494	490	496	497
75°	254	254	250	250	254	271
85°	68	68	68	70	60	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2576.7	2576.7	2576.7	2576.7	2576.7
2.5°	2571.2	2576.7	2574.8	2576.7	2571.2
5°	2562.0	2567.5	2567.5	2567.5	2563.8
7.5°	2549.2	2552.9	2554.7	2556.5	2547.4
10°	2530.9	2534.6	2532.8	2536.4	2529.1
12.5°	2507.2	2507.2	2509.0	2512.6	2505.3
15°	2472.4	2474.2	2476.1	2479.7	2470.6
17.5°	2432.2	2434.0	2435.8	2437.7	2430.4
20°	2386.5	2386.5	2390.1	2392.0	2382.8
22.5°	2329.8	2329.8	2333.4	2338.9	2327.9
25°	2269.4	2269.4	2271.3	2273.1	2263.9
27.5°	2198.1	2198.1	2199.9	2205.4	2194.5
30°	2121.3	2119.5	2121.3	2123.1	2115.8
32.5°	2035.4	2033.5	2031.7	2033.5	2024.4
35°	1932.9	1931.1	1927.5	1925.6	1918.3
37.5°	1814.1	1810.4	1803.1	1803.1	1795.8
40°	1675.1	1666.0	1656.8	1653.2	1651.3
42.5°	1514.2	1506.9	1494.1	1492.2	1492.2
45°	1351.4	1347.8	1329.5	1327.6	1335.0
47.5°	1205.1	1196.0	1179.5	1175.9	1186.8
50°	1060.7	1062.5	1047.8	1042.4	1053.3
52.5°	947.3	943.6	930.8	927.2	936.3
55°	841.2	837.5	828.4	822.9	830.2
57.5°	744.3	742.5	733.3	731.5	735.1
60°	656.5	654.7	647.4	645.5	647.4
62.5°	574.2	574.2	566.9	563.2	568.7
65°	497.4	501.1	493.8	490.1	495.6
67.5°	427.9	431.6	424.3	420.6	427.9
70°	362.1	365.7	358.4	354.8	362.1
72.5°	305.4	307.2	301.7	299.9	309.1
75°	254.2	254.2	250.5	250.5	254.2
77.5°	206.6	204.8	203.0	203.0	199.3
80°	159.1	157.3	157.3	157.3	151.8
82.5°	113.4	109.7	111.6	113.4	104.2
85°	67.7	67.7	67.7	69.5	60.3
87.5°	27.4	27.4	25.6	27.4	23.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)