

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: P1050703

Luminaire Tested: 24PTR-72-PL1-L830-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050703
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-72-PL1-L830-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

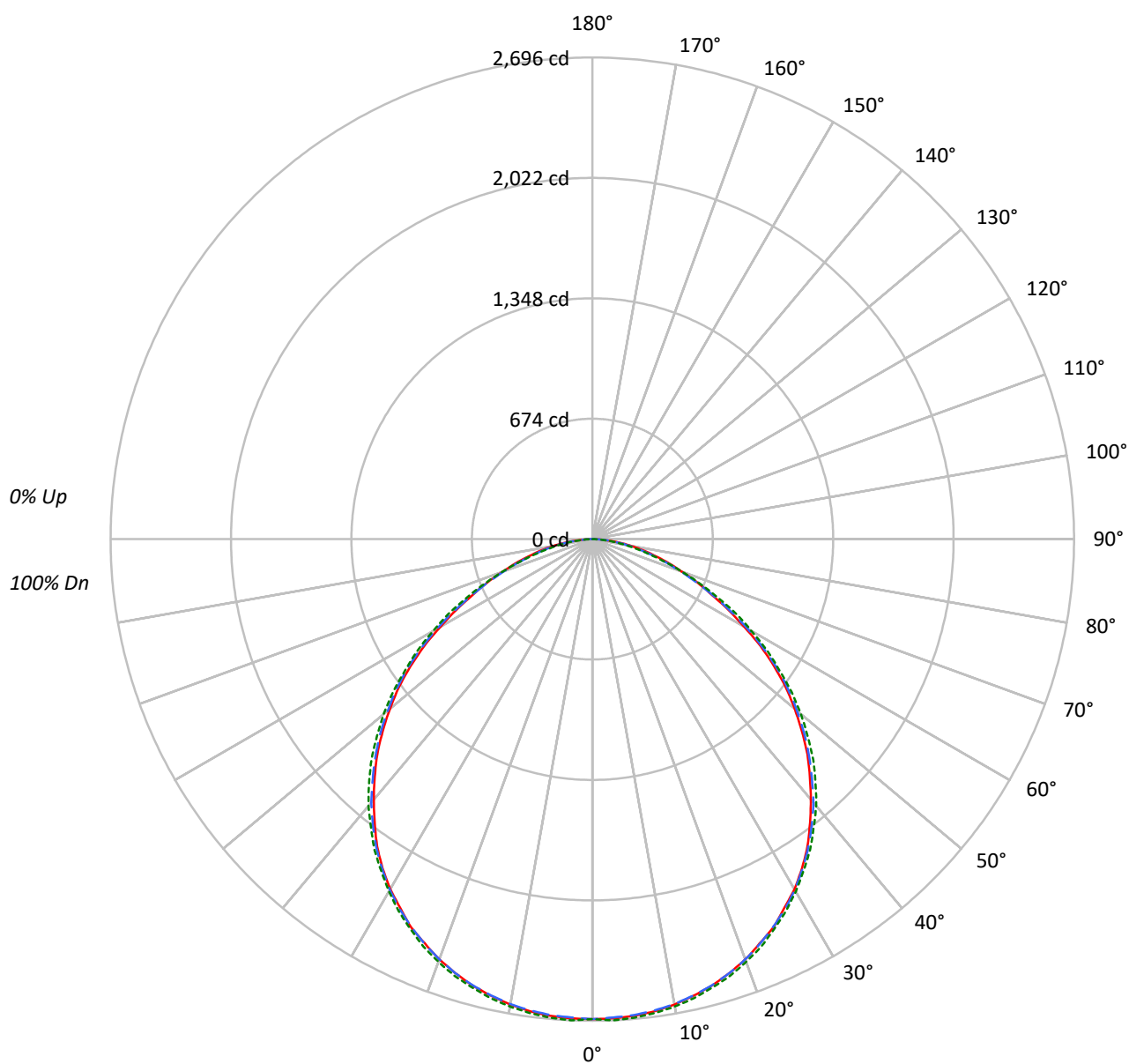
Lumens per Lamp: N/A
Luminaire Lumens: 7082.9 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
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: P1050703

CATALOG NUMBER: 24PTR-72-PL1-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050703

CATALOG NUMBER: 24PTR-72-PL1-L830-UNV-STD-W

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°	3615	3615	3615
5°	3618	3612	3632
10°	3614	3610	3630
15°	3603	3601	3619
20°	3585	3585	3605
25°	3561	3556	3575
30°	3515	3521	3537
35°	3449	3462	3490
40°	3341	3380	3423
45°	3237	3264	3327
50°	3095	3128	3190
55°	2915	2962	2996
60°	2644	2700	2767
65°	2348	2374	2469
70°	2099	2056	2107
75°	1894	1785	1749
80°	1721	1598	1418
85°	1457	1323	1139

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3327 cd/sqm

TEST NUMBER: P1050703

CATALOG NUMBER: 24PTR-72-PL1-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.9	3.6
10°-20°	731.0	10.3
20°-30°	1105.8	15.6
30°-40°	1318.1	18.6
40°-50°	1325.4	18.7
50°-60°	1124.9	15.9
60°-70°	749.0	10.6
70°-80°	374.0	5.3
80°-90°	100.0	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°	2091.7	29.5
0°-40°	3409.8	48.1
0°-60°	5860.0	82.7
0°-90°	7082.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7082.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2687	2687	2687	2687	2687	
5°	2679	2680	2674	2686	2689	255
15°	2586	2589	2585	2596	2598	730
25°	2398	2398	2395	2406	2408	1103
35°	2100	2102	2108	2122	2124	1310
45°	1701	1704	1715	1738	1748	1309
55°	1243	1251	1262	1274	1277	1107
65°	738	744	746	757	776	739
75°	364	359	343	335	336	391
85°	94	93	86	81	74	109
90°	0	0	0	0	0	

TEST NUMBER: P1050703

CATALOG NUMBER: 24PTR-72-PL1-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2687.0	2687.0	2687.0	2687.0	2687.0
2.5°	2684.9	2687.0	2679.8	2692.8	2696.1
5°	2679.1	2679.8	2674.0	2686.0	2688.9
7.5°	2666.1	2667.2	2661.0	2674.0	2675.8
10°	2645.1	2647.3	2642.2	2654.1	2657.0
12.5°	2618.3	2621.2	2616.1	2629.2	2631.3
15°	2586.5	2589.4	2585.4	2596.3	2598.4
17.5°	2547.4	2549.6	2547.4	2557.5	2563.3
20°	2503.6	2503.6	2503.6	2512.7	2517.8
22.5°	2449.0	2454.1	2451.9	2463.9	2468.9
25°	2398.4	2398.4	2395.1	2406.3	2408.1
27.5°	2327.5	2335.4	2334.7	2344.5	2346.6
30°	2262.7	2264.9	2266.0	2272.8	2276.8
32.5°	2184.2	2186.0	2189.3	2199.1	2200.1
35°	2099.6	2101.7	2107.5	2122.4	2124.5
37.5°	2001.2	2012.0	2017.1	2033.0	2034.8
40°	1902.4	1909.3	1924.5	1941.1	1949.1
42.5°	1801.9	1809.8	1818.9	1841.6	1848.9
45°	1701.3	1704.2	1715.4	1738.2	1748.3
47.5°	1589.9	1598.9	1608.7	1628.6	1634.7
50°	1478.5	1488.2	1494.4	1512.1	1524.0
52.5°	1366.0	1375.0	1381.9	1392.7	1404.7
55°	1242.6	1251.3	1262.5	1274.4	1277.3
57.5°	1117.1	1126.8	1134.1	1146.7	1159.8
60°	982.5	993.7	1003.5	1015.4	1028.4
62.5°	857.3	862.0	872.2	892.1	910.9
65°	737.6	743.7	745.6	756.8	775.6
67.5°	638.1	638.1	629.1	633.1	654.0
70°	533.6	529.6	522.7	518.7	535.7
72.5°	448.9	443.9	429.0	422.2	431.2
75°	364.3	359.2	343.3	335.3	336.4
77.5°	292.7	284.7	271.7	257.9	255.0
80°	222.1	218.9	206.2	193.2	183.0
82.5°	157.4	150.5	143.3	135.3	127.3
85°	94.4	92.6	85.7	80.7	73.8
87.5°	38.7	38.7	36.9	34.7	32.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)