

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: P1051022

Luminaire Tested: 24PTR-72-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051022
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-72-PW1-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

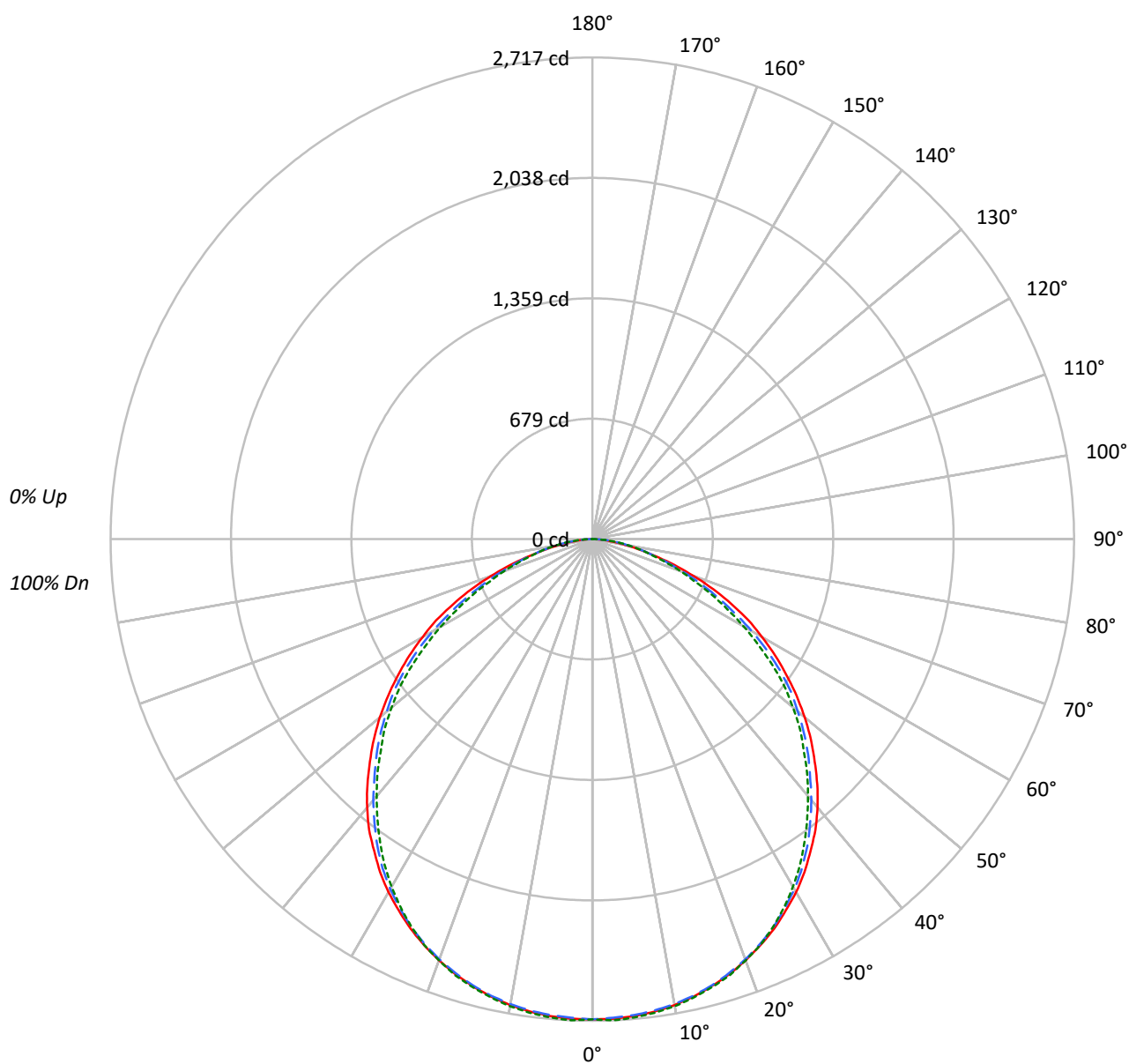
Lumens per Lamp: N/A
Luminaire Lumens: 7188.6 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1051022

CATALOG NUMBER: 24PTR-72-PW1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1051022

CATALOG NUMBER: 24PTR-72-PW1-L835-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	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°	3645	3645	3645
5°	3648	3640	3659
10°	3646	3638	3656
15°	3635	3629	3643
20°	3620	3612	3620
25°	3600	3585	3582
30°	3573	3542	3517
35°	3525	3472	3427
40°	3471	3376	3323
45°	3375	3275	3208
50°	3273	3166	3093
55°	3137	3031	2910
60°	2974	2798	2652
65°	2751	2499	2375
70°	2385	2175	2093
75°	1904	1862	1811
80°	1447	1616	1616
85°	1070	1380	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3375 cd/sqm

TEST NUMBER: P1051022

CATALOG NUMBER: 24PTR-72-PW1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	3.6
10°-20°	736.8	10.2
20°-30°	1113.6	15.5
30°-40°	1322.3	18.4
40°-50°	1332.2	18.5
50°-60°	1151.5	16.0
60°-70°	787.0	10.9
70°-80°	388.1	5.4
80°-90°	100.4	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°	2107.3	29.3
0°-40°	3429.6	47.7
0°-60°	5913.2	82.3
0°-90°	7188.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7188.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2709	2709	2709	2709	2709	
5°	2701	2702	2695	2706	2709	257
15°	2610	2612	2606	2615	2615	737
25°	2425	2423	2415	2417	2413	1117
35°	2146	2139	2114	2095	2087	1343
45°	1774	1754	1721	1701	1686	1369
55°	1337	1333	1292	1254	1240	1195
65°	864	833	785	751	746	853
75°	366	363	358	358	348	399
85°	69	81	89	91	89	85
90°	0	0	0	0	0	

TEST NUMBER: P1051022

CATALOG NUMBER: 24PTR-72-PW1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2708.8	2708.8	2708.8	2708.8	2708.8
2.5°	2708.1	2708.8	2701.9	2713.9	2716.8
5°	2700.8	2701.9	2695.0	2705.9	2708.8
7.5°	2688.0	2689.8	2681.8	2692.8	2695.0
10°	2668.7	2669.8	2662.9	2673.8	2676.0
12.5°	2642.8	2643.5	2637.7	2647.5	2647.5
15°	2609.6	2612.5	2605.6	2614.7	2615.4
17.5°	2572.4	2573.5	2566.6	2576.4	2578.6
20°	2528.3	2528.3	2522.4	2530.5	2528.3
22.5°	2479.0	2479.0	2472.1	2476.1	2477.9
25°	2425.1	2422.9	2414.8	2417.0	2413.0
27.5°	2362.7	2362.7	2348.5	2348.5	2341.5
30°	2299.6	2294.5	2279.5	2270.4	2263.5
32.5°	2227.0	2220.1	2201.1	2185.1	2180.0
35°	2146.0	2138.7	2113.6	2094.6	2086.6
37.5°	2067.6	2051.6	2018.4	1999.4	1990.3
40°	1976.1	1956.0	1922.1	1895.8	1891.8
42.5°	1878.0	1861.9	1817.8	1798.5	1793.7
45°	1773.7	1754.3	1721.1	1701.1	1686.1
47.5°	1671.2	1656.9	1619.0	1594.9	1589.8
50°	1563.6	1551.5	1512.5	1486.6	1477.5
52.5°	1452.3	1444.3	1411.1	1377.9	1367.0
55°	1337.1	1333.1	1291.9	1253.6	1240.4
57.5°	1223.7	1218.5	1167.1	1123.0	1111.0
60°	1105.1	1090.2	1039.8	998.6	985.5
62.5°	992.8	960.7	906.3	874.2	859.3
65°	864.0	833.0	784.9	750.6	745.9
67.5°	737.8	700.6	663.4	642.3	626.2
70°	606.2	581.0	552.9	535.1	532.1
72.5°	483.6	465.8	451.5	440.6	431.5
75°	366.2	363.3	358.2	358.2	348.3
77.5°	269.2	276.1	280.1	279.0	281.2
80°	186.7	200.6	208.6	209.7	208.6
82.5°	118.5	134.6	147.7	149.5	151.7
85°	69.3	81.3	89.4	91.2	89.4
87.5°	31.0	39.0	41.2	43.0	41.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)