

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: P1050570

Luminaire Tested: 24PTR-60-PB1-L840-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050570
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-60-PB1-L840-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

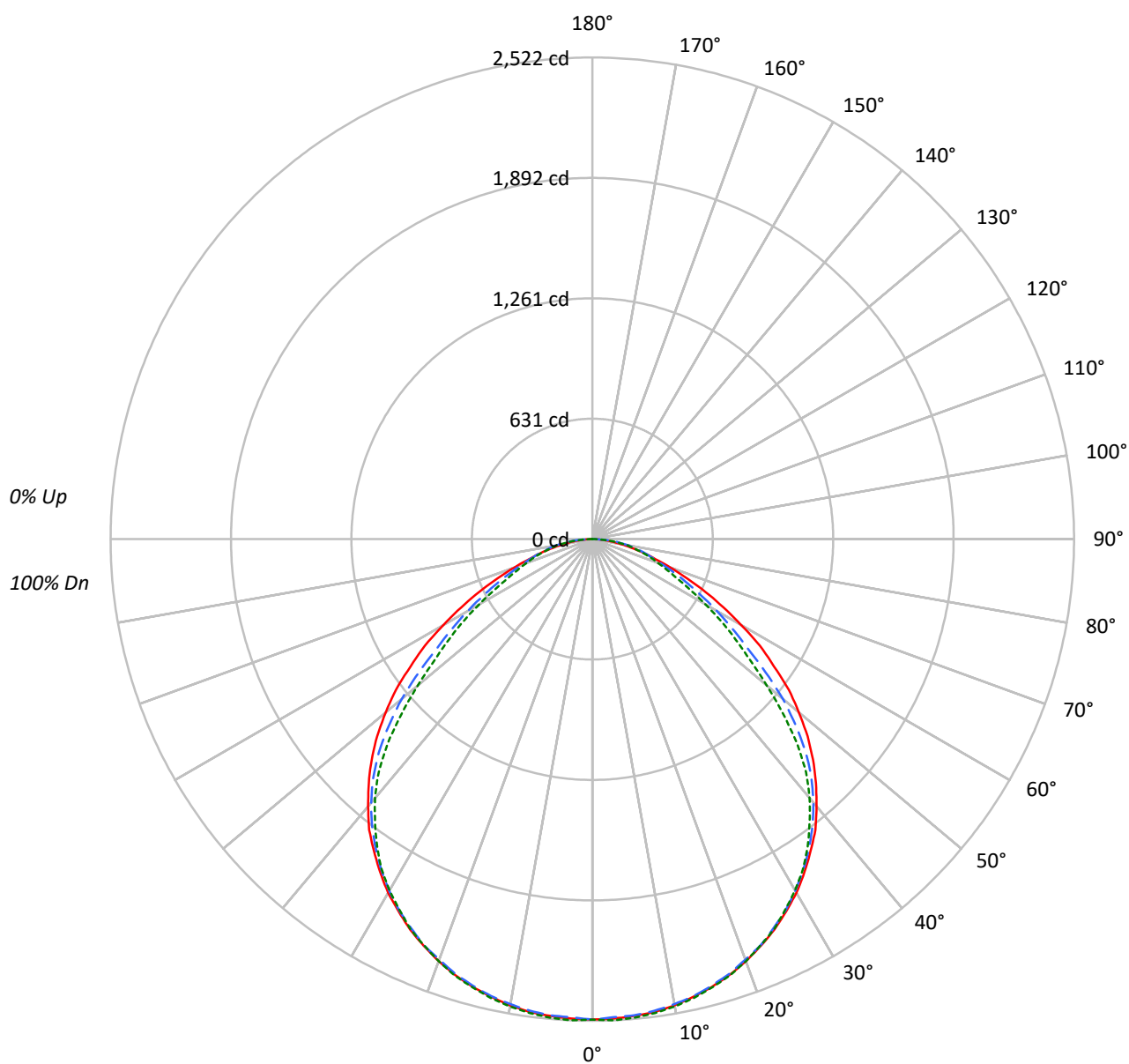
Lumens per Lamp: N/A
Luminaire Lumens: 6273.0 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050570

CATALOG NUMBER: 24PTR-60-PB1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050570

CATALOG NUMBER: 24PTR-60-PB1-L840-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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	88	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	75	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	64	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	56	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	49	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	44	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	39	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	35	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	32	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3385	3385	3385
5°	3385	3381	3398
10°	3387	3378	3395
15°	3379	3371	3383
20°	3367	3354	3367
25°	3349	3335	3344
30°	3322	3303	3298
35°	3273	3248	3228
40°	3207	3163	3108
45°	3109	3009	2885
50°	2954	2727	2493
55°	2722	2316	2148
60°	2423	2024	1840
65°	2079	1754	1567
70°	1716	1546	1436
75°	1447	1480	1400
80°	1223	1510	1440
85°	957	1530	1338

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3109 cd/sqm

TEST NUMBER: P1050570

CATALOG NUMBER: 24PTR-60-PB1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	3.8
10°-20°	684.4	10.9
20°-30°	1036.8	16.5
30°-40°	1235.4	19.7
40°-50°	1208.1	19.3
50°-60°	913.8	14.6
60°-70°	561.4	8.9
70°-80°	299.1	4.8
80°-90°	95.4	1.5
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°	1959.8	31.2
0°-40°	3195.2	50.9
0°-60°	5317.1	84.8
0°-90°	6273.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2516	2516	2516	2516	2516	
5°	2506	2510	2503	2513	2516	238
15°	2426	2429	2420	2429	2429	685
25°	2256	2253	2246	2250	2253	1039
35°	1993	1990	1977	1968	1965	1246
45°	1634	1625	1581	1528	1516	1257
55°	1160	1102	987	931	916	1039
65°	653	600	551	507	492	650
75°	278	282	285	276	269	298
85°	62	81	99	93	87	74
90°	0	0	0	0	0	

TEST NUMBER: P1050570

CATALOG NUMBER: 24PTR-60-PB1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2515.7	2515.7	2515.7	2515.7	2515.7
2.5°	2512.8	2515.7	2506.3	2518.9	2521.9
5°	2506.3	2509.5	2503.3	2512.8	2515.7
7.5°	2497.2	2497.2	2491.0	2500.1	2503.3
10°	2478.7	2478.7	2472.5	2481.6	2484.8
12.5°	2454.0	2454.0	2450.7	2456.9	2460.1
15°	2426.0	2429.0	2419.9	2429.0	2429.0
17.5°	2391.9	2389.0	2385.7	2391.9	2395.2
20°	2351.6	2351.6	2342.5	2348.7	2351.6
22.5°	2305.2	2305.2	2302.3	2305.2	2302.3
25°	2255.8	2252.6	2246.4	2249.6	2252.6
27.5°	2197.0	2197.0	2190.8	2190.8	2187.6
30°	2138.2	2135.0	2125.9	2119.7	2122.6
32.5°	2067.1	2063.8	2054.7	2048.5	2051.5
35°	1992.7	1989.7	1977.4	1968.0	1965.1
37.5°	1918.6	1909.2	1893.6	1881.2	1868.9
40°	1825.7	1816.3	1801.0	1773.1	1769.8
42.5°	1732.8	1723.7	1698.7	1664.9	1655.5
45°	1633.7	1624.6	1581.1	1528.4	1516.1
47.5°	1528.4	1513.2	1445.0	1380.0	1355.3
50°	1411.2	1383.2	1302.7	1219.2	1191.2
52.5°	1296.5	1247.1	1141.9	1067.5	1039.9
55°	1160.4	1101.6	987.2	931.4	915.8
57.5°	1039.9	959.3	866.4	810.8	798.5
60°	900.5	826.1	752.0	702.3	683.8
62.5°	773.5	708.5	646.8	603.3	581.8
65°	653.0	600.3	551.0	507.4	492.2
67.5°	535.4	507.4	467.1	433.4	423.9
70°	436.3	420.7	393.1	377.5	365.1
72.5°	346.6	352.8	334.3	328.1	318.7
75°	278.4	281.7	284.6	275.5	269.3
77.5°	210.5	225.8	238.1	231.9	225.8
80°	157.9	173.1	194.9	185.8	185.8
82.5°	108.2	127.0	145.5	139.4	136.1
85°	62.0	80.6	99.1	92.9	86.7
87.5°	24.7	40.3	43.2	43.2	40.3
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)