

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: P1192917

Luminaire Tested: 24PT-72-PB1-L930

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2202-549-7)
Test Lab: INNOVATION CENTER
Issue Date: 10/2/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PT-72-PB1-L930
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

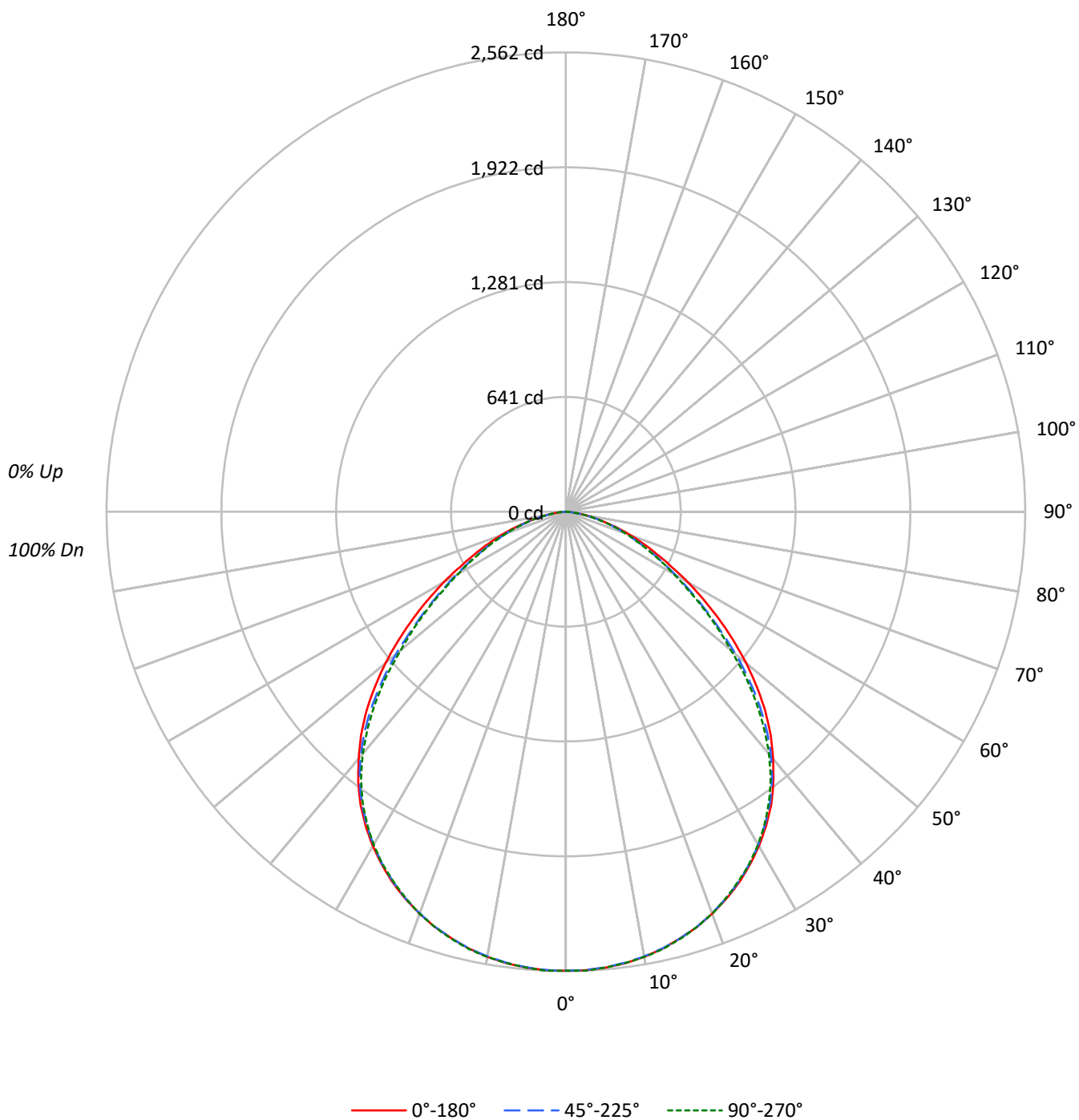
Lumens per Lamp: N/A
Luminaire Lumens: 6078.0 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1192917

CATALOG NUMBER: 24PT-72-PB1-L930

Luminous Intensity Polar Plot



TEST NUMBER: P1192917

CATALOG NUMBER: 24PT-72-PB1-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	106	102	99	108	104	100	97	100	97	94		96	93	91		92	90	89	87
2	101	94	88	83	99	92	86	82	88	84	80		85	81	78		82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		74	70	66	64
4	86	75	66	60	83	73	66	60	71	64	59		69	63	58		66	62	58	55
5	79	67	59	53	77	66	58	52	64	57	52		62	56	51		60	55	51	49
6	73	61	52	46	71	60	52	46	58	51	46		56	50	45		55	49	45	43
7	68	55	47	41	66	55	47	41	53	46	41		52	45	40		50	45	40	38
8	64	51	43	37	62	50	42	37	49	42	37		47	41	36		46	41	36	34
9	59	47	39	33	58	46	38	33	45	38	33		44	38	33		43	37	33	31
10	56	43	35	30	55	43	35	30	42	35	30		41	34	30		40	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3661	3661	3661
5°	3663	3660	3663
10°	3660	3657	3661
15°	3646	3646	3651
20°	3630	3627	3630
25°	3603	3595	3590
30°	3556	3543	3539
35°	3485	3464	3450
40°	3356	3324	3290
45°	3181	3087	3034
50°	2918	2754	2676
55°	2597	2365	2330
60°	2249	2021	1987
65°	1897	1733	1713
70°	1610	1484	1492
75°	1264	1209	1220
80°	922	905	913
85°	563	596	596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3181 cd/sqm

TEST NUMBER: P1192917

CATALOG NUMBER: 24PT-72-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.4	4.0
10°-20°	695.2	11.4
20°-30°	1049.4	17.3
30°-40°	1237.5	20.4
40°-50°	1175.8	19.3
50°-60°	867.6	14.3
60°-70°	523.7	8.6
70°-80°	239.7	3.9
80°-90°	46.8	0.8
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°	1987.1	32.7
0°-40°	3224.5	53.1
0°-60°	5267.9	86.7
0°-90°	6078.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6078.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2560	2560	2560	2560	2560	
5°	2552	2552	2550	2548	2552	243
15°	2463	2464	2463	2462	2466	695
25°	2283	2282	2278	2274	2275	1051
35°	1996	1993	1984	1976	1976	1244
45°	1573	1562	1526	1505	1500	1208
55°	1041	999	949	926	934	932
65°	560	542	512	502	506	563
75°	229	225	219	216	221	249
85°	34	35	36	35	36	46
90°	0	0	0	0	0	

TEST NUMBER: P1192917

CATALOG NUMBER: 24PT-72-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2559.6	2559.6	2559.6	2559.6	2559.6
2.5°	2559.6	2559.6	2557.6	2555.6	2561.6
5°	2551.5	2552.5	2549.5	2547.5	2551.5
7.5°	2539.4	2539.4	2536.4	2534.4	2538.4
10°	2520.3	2520.3	2518.3	2517.3	2521.3
12.5°	2495.1	2496.1	2494.1	2493.1	2498.1
15°	2462.8	2463.8	2462.8	2461.8	2465.8
17.5°	2428.5	2429.5	2427.5	2424.5	2428.5
20°	2385.2	2387.2	2383.2	2381.2	2385.2
22.5°	2336.8	2338.8	2334.8	2332.8	2332.8
25°	2283.4	2282.4	2278.3	2274.3	2275.3
27.5°	2220.9	2221.9	2215.8	2211.8	2214.8
30°	2153.3	2154.3	2145.3	2142.2	2143.2
32.5°	2077.7	2076.7	2068.6	2063.6	2063.6
35°	1996.1	1993.0	1984.0	1975.9	1975.9
37.5°	1901.3	1899.3	1889.2	1879.1	1876.1
40°	1797.5	1795.4	1780.3	1767.2	1762.2
42.5°	1690.6	1684.6	1660.4	1640.2	1635.2
45°	1572.7	1561.6	1526.3	1505.1	1500.1
47.5°	1445.6	1431.5	1383.1	1358.9	1356.9
50°	1311.6	1286.3	1238.0	1206.7	1202.7
52.5°	1176.5	1140.2	1084.7	1061.5	1067.6
55°	1041.4	999.0	948.6	926.5	934.5
57.5°	910.3	866.0	822.6	800.4	805.5
60°	786.3	748.0	706.7	688.5	694.6
62.5°	664.3	640.2	604.9	588.7	596.8
65°	560.5	542.4	512.1	502.0	506.1
67.5°	469.8	455.7	429.5	421.4	427.4
70°	385.1	375.0	354.9	351.8	356.9
72.5°	304.4	298.4	287.3	282.3	285.3
75°	228.8	224.8	218.8	215.7	220.8
77.5°	165.3	162.3	160.3	160.3	161.3
80°	111.9	110.9	109.9	108.9	110.9
82.5°	68.6	68.6	68.6	68.6	69.6
85°	34.3	35.3	36.3	35.3	36.3
87.5°	11.1	12.1	13.1	13.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)