

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: P1192918

Luminaire Tested: 24PT-72-PB1-L935

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192918
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-L935
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

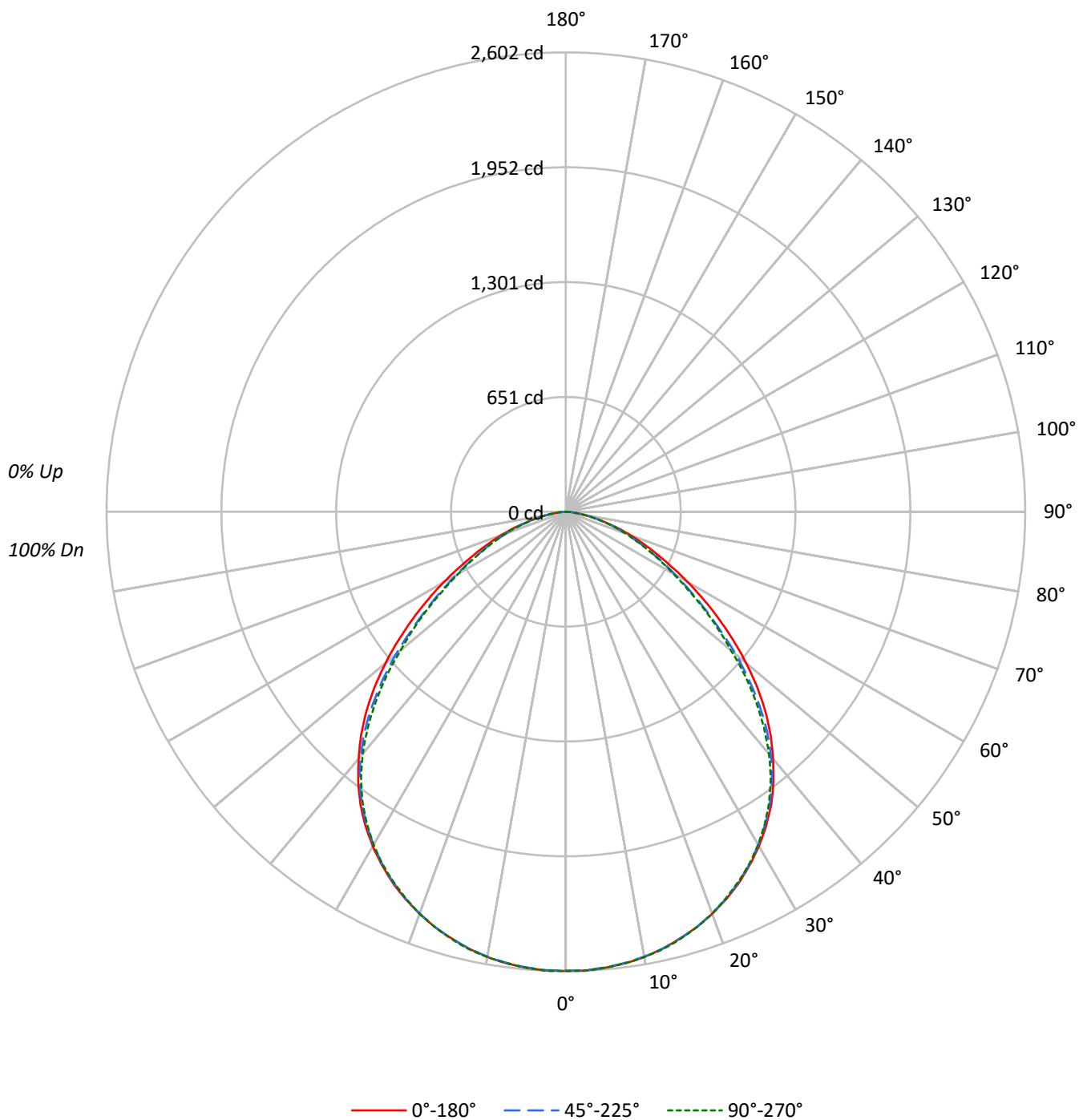
Lumens per Lamp: N/A
Luminaire Lumens: 6175.0 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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: P1192918

CATALOG NUMBER: 24PT-72-PB1-L935

Luminous Intensity Polar Plot



TEST NUMBER: P1192918

CATALOG NUMBER: 24PT-72-PB1-L935

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3719	3719	3719
5°	3721	3719	3721
10°	3718	3715	3720
15°	3705	3705	3709
20°	3688	3685	3688
25°	3661	3653	3648
30°	3613	3599	3596
35°	3541	3519	3505
40°	3409	3377	3342
45°	3232	3136	3082
50°	2965	2798	2719
55°	2638	2403	2367
60°	2285	2054	2019
65°	1927	1761	1740
70°	1636	1507	1516
75°	1285	1228	1239
80°	936	919	928
85°	571	605	605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3232 cd/sqm

TEST NUMBER: P1192918

CATALOG NUMBER: 24PT-72-PB1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.3	4.0
10°-20°	706.3	11.4
20°-30°	1066.2	17.3
30°-40°	1257.2	20.4
40°-50°	1194.5	19.3
50°-60°	881.4	14.3
60°-70°	532.0	8.6
70°-80°	243.5	3.9
80°-90°	47.5	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°	2018.8	32.7
0°-40°	3276.0	53.1
0°-60°	5351.9	86.7
0°-90°	6175.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6175.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2600	2600	2600	2600	2600	
5°	2592	2593	2590	2588	2592	246
15°	2502	2503	2502	2501	2505	706
25°	2320	2319	2315	2311	2312	1068
35°	2028	2025	2016	2007	2007	1264
45°	1598	1586	1551	1529	1524	1227
55°	1058	1015	964	941	949	947
65°	570	551	520	510	514	572
75°	232	228	222	219	224	253
85°	35	36	37	36	37	47
90°	0	0	0	0	0	

TEST NUMBER: P1192918

CATALOG NUMBER: 24PT-72-PB1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2600.4	2600.4	2600.4	2600.4	2600.4
2.5°	2600.4	2600.4	2598.4	2596.3	2602.5
5°	2592.2	2593.3	2590.2	2588.2	2592.2
7.5°	2580.0	2580.0	2576.9	2574.8	2578.9
10°	2560.5	2560.5	2558.4	2557.4	2561.5
12.5°	2534.9	2535.9	2533.9	2532.8	2538.0
15°	2502.1	2503.1	2502.1	2501.1	2505.2
17.5°	2467.3	2468.3	2466.3	2463.2	2467.3
20°	2423.3	2425.3	2421.2	2419.2	2423.3
22.5°	2374.1	2376.1	2372.0	2370.0	2370.0
25°	2319.8	2318.8	2314.7	2310.6	2311.6
27.5°	2256.3	2257.3	2251.2	2247.1	2250.2
30°	2187.7	2188.7	2179.5	2176.4	2177.4
32.5°	2110.9	2109.9	2101.7	2096.5	2096.5
35°	2027.9	2024.8	2015.6	2007.4	2007.4
37.5°	1931.6	1929.6	1919.3	1909.1	1906.0
40°	1826.1	1824.1	1808.7	1795.4	1790.3
42.5°	1717.6	1711.4	1686.9	1666.4	1661.3
45°	1597.8	1586.5	1550.6	1529.1	1524.0
47.5°	1468.7	1454.4	1405.2	1380.6	1378.6
50°	1332.5	1306.9	1257.7	1226.0	1221.9
52.5°	1195.2	1158.4	1102.0	1078.5	1084.6
55°	1058.0	1015.0	963.8	941.2	949.4
57.5°	924.9	879.8	835.7	813.2	818.3
60°	798.9	760.0	718.0	699.5	705.7
62.5°	674.9	650.4	614.5	598.1	606.3
65°	569.5	551.0	520.3	510.1	514.1
67.5°	477.3	462.9	436.3	428.1	434.3
70°	391.2	381.0	360.5	357.4	362.6
72.5°	309.3	303.2	291.9	286.8	289.8
75°	232.5	228.4	222.3	219.2	224.3
77.5°	168.0	164.9	162.8	162.8	163.9
80°	113.7	112.7	111.6	110.6	112.7
82.5°	69.6	69.6	69.6	69.6	70.7
85°	34.8	35.8	36.9	35.8	36.9
87.5°	11.3	12.3	13.3	13.3	14.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)