

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: P1192919

Luminaire Tested: 24PT-72-PB1-L940

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192919
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-L940
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

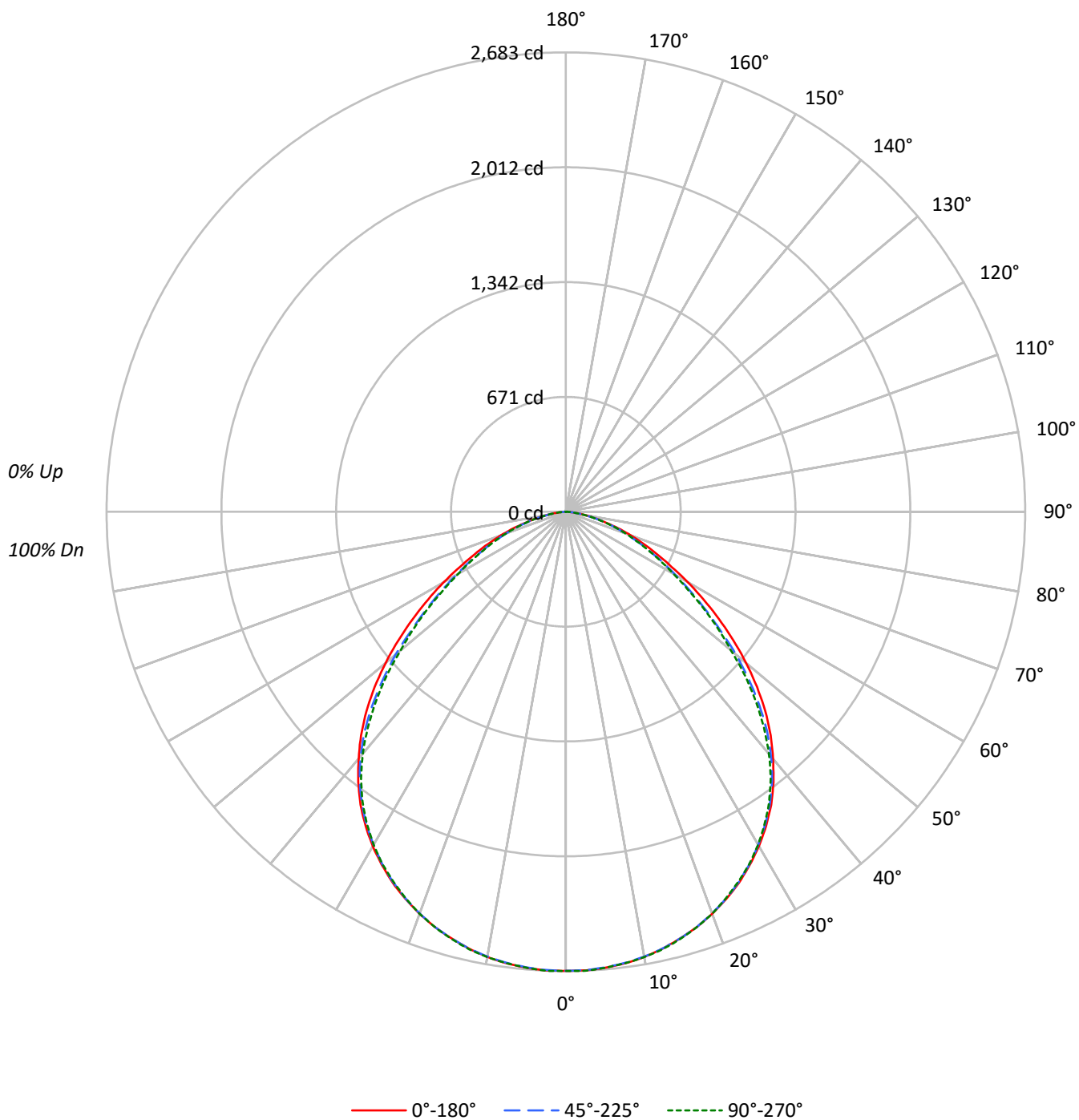
Lumens per Lamp: N/A
Luminaire Lumens: 6367.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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: P1192919

CATALOG NUMBER: 24PT-72-PB1-L940

Luminous Intensity Polar Plot



TEST NUMBER: P1192919

CATALOG NUMBER: 24PT-72-PB1-L940

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°	3835	3835	3835
5°	3837	3834	3837
10°	3834	3831	3836
15°	3820	3820	3825
20°	3803	3800	3803
25°	3774	3766	3761
30°	3725	3711	3708
35°	3651	3628	3614
40°	3515	3482	3446
45°	3332	3234	3178
50°	3057	2885	2803
55°	2720	2478	2441
60°	2356	2117	2081
65°	1987	1816	1794
70°	1687	1554	1563
75°	1325	1266	1278
80°	965	948	957
85°	589	624	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3332 cd/sqm

TEST NUMBER: P1192919

CATALOG NUMBER: 24PT-72-PB1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	4.0
10°-20°	728.3	11.4
20°-30°	1099.3	17.3
30°-40°	1296.3	20.4
40°-50°	1231.7	19.3
50°-60°	908.8	14.3
60°-70°	548.6	8.6
70°-80°	251.1	3.9
80°-90°	49.0	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°	2081.5	32.7
0°-40°	3377.8	53.1
0°-60°	5518.3	86.7
0°-90°	6367.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6367.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2681	2681	2681	2681	2681	
5°	2673	2674	2671	2669	2673	254
15°	2580	2581	2580	2579	2583	728
25°	2392	2391	2387	2382	2384	1101
35°	2091	2088	2078	2070	2070	1303
45°	1647	1636	1599	1577	1571	1265
55°	1091	1046	994	970	979	977
65°	587	568	536	526	530	590
75°	240	236	229	226	231	261
85°	36	37	38	37	38	48
90°	0	0	0	0	0	

TEST NUMBER: P1192919

CATALOG NUMBER: 24PT-72-PB1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2681.3	2681.3	2681.3	2681.3	2681.3
2.5°	2681.3	2681.3	2679.2	2677.1	2683.4
5°	2672.8	2673.9	2670.7	2668.6	2672.8
7.5°	2660.2	2660.2	2657.0	2654.9	2659.1
10°	2640.1	2640.1	2638.0	2636.9	2641.2
12.5°	2613.7	2614.8	2612.7	2611.6	2616.9
15°	2579.9	2581.0	2579.9	2578.9	2583.1
17.5°	2544.0	2545.1	2543.0	2539.8	2544.0
20°	2498.6	2500.7	2496.5	2494.4	2498.6
22.5°	2447.9	2450.0	2445.8	2443.7	2443.7
25°	2391.9	2390.9	2386.7	2382.4	2383.5
27.5°	2326.5	2327.5	2321.2	2317.0	2320.1
30°	2255.7	2256.8	2247.3	2244.1	2245.2
32.5°	2176.5	2175.5	2167.0	2161.7	2161.7
35°	2091.0	2087.8	2078.3	2069.8	2069.8
37.5°	1991.7	1989.6	1979.0	1968.5	1965.3
40°	1882.9	1880.8	1865.0	1851.2	1846.0
42.5°	1771.0	1764.7	1739.3	1718.2	1712.9
45°	1647.4	1635.8	1598.9	1576.7	1571.4
47.5°	1514.4	1499.6	1448.9	1423.5	1421.4
50°	1373.9	1347.5	1296.8	1264.1	1259.9
52.5°	1232.4	1194.4	1136.3	1112.0	1118.4
55°	1090.9	1046.5	993.7	970.5	979.0
57.5°	953.6	907.1	861.7	838.5	843.8
60°	823.7	783.6	740.3	721.3	727.6
62.5°	695.9	670.6	633.6	616.7	625.2
65°	587.2	568.2	536.5	525.9	530.1
67.5°	492.1	477.3	449.9	441.4	447.8
70°	403.4	392.8	371.7	368.6	373.8
72.5°	318.9	312.6	301.0	295.7	298.9
75°	239.7	235.5	229.2	226.0	231.3
77.5°	173.2	170.0	167.9	167.9	169.0
80°	117.2	116.2	115.1	114.1	116.2
82.5°	71.8	71.8	71.8	71.8	72.9
85°	35.9	37.0	38.0	37.0	38.0
87.5°	11.6	12.7	13.7	13.7	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)