

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: P1192920

Luminaire Tested: 24PT-72-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192920
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-L950
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

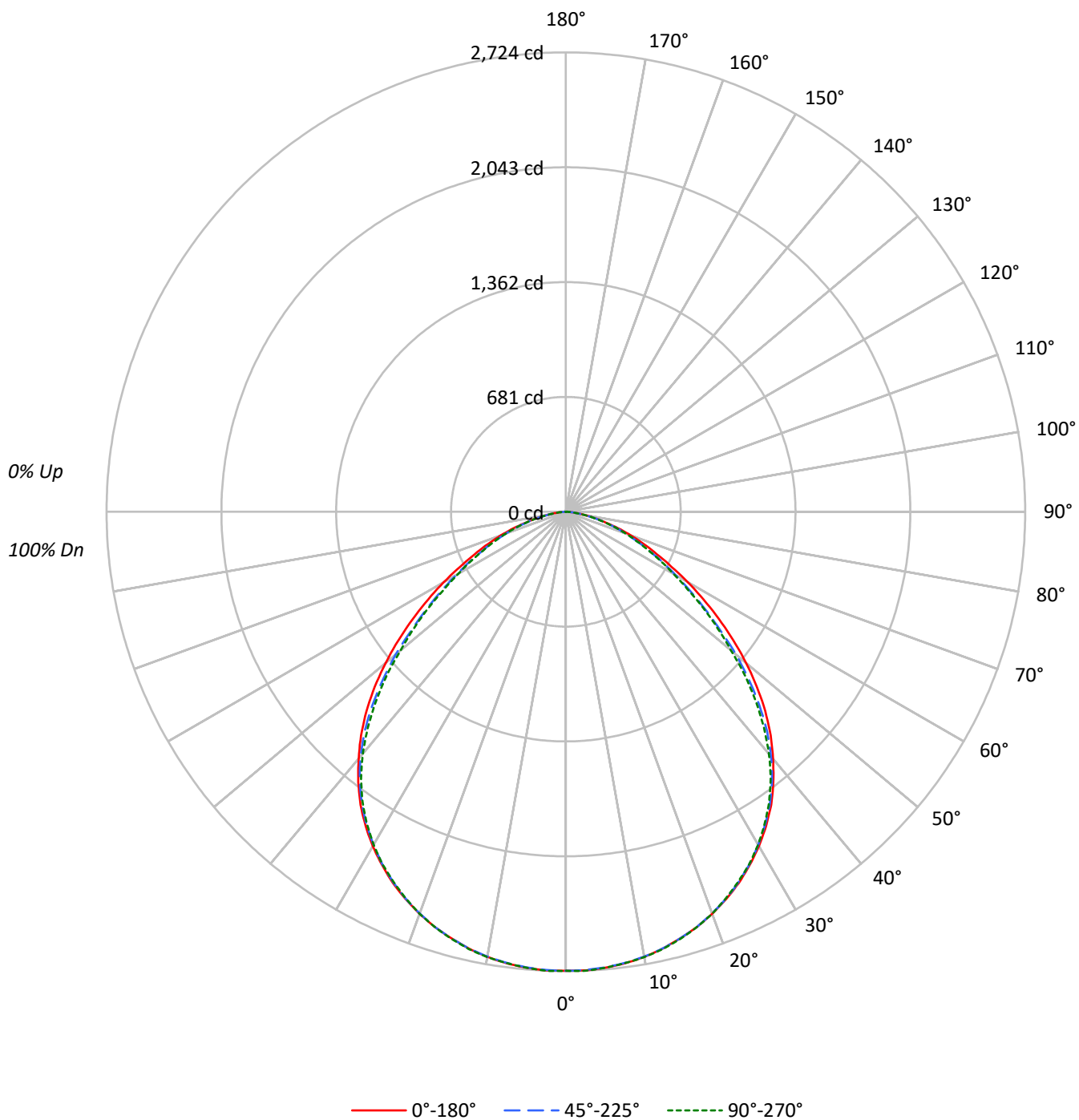
Lumens per Lamp: N/A
Luminaire Lumens: 6464.0 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

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: P1192920

CATALOG NUMBER: 24PT-72-PB1-L950

Luminous Intensity Polar Plot



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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°	3893	3893	3893
5°	3896	3893	3896
10°	3892	3889	3894
15°	3878	3878	3883
20°	3861	3857	3861
25°	3832	3823	3818
30°	3782	3768	3764
35°	3706	3684	3669
40°	3569	3535	3499
45°	3383	3283	3227
50°	3103	2929	2846
55°	2761	2516	2478
60°	2392	2150	2113
65°	2017	1843	1821
70°	1713	1578	1587
75°	1345	1286	1297
80°	980	963	971
85°	599	633	633

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3383 cd/sqm

TEST NUMBER: P1192920

CATALOG NUMBER: 24PT-72-PB1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.8	4.0
10°-20°	739.3	11.4
20°-30°	1116.1	17.3
30°-40°	1316.1	20.4
40°-50°	1250.4	19.3
50°-60°	922.7	14.3
60°-70°	556.9	8.6
70°-80°	254.9	3.9
80°-90°	49.8	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°	2113.2	32.7
0°-40°	3429.3	53.1
0°-60°	5602.4	86.7
0°-90°	6464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2722	2722	2722	2722	2722	
5°	2714	2715	2711	2709	2714	258
15°	2619	2620	2619	2618	2622	739
25°	2428	2427	2423	2419	2420	1118
35°	2123	2120	2110	2101	2101	1323
45°	1672	1661	1623	1601	1595	1284
55°	1108	1062	1009	985	994	992
65°	596	577	545	534	538	599
75°	243	239	233	229	235	265
85°	36	38	39	38	39	49
90°	0	0	0	0	0	

TEST NUMBER: P1192920

CATALOG NUMBER: 24PT-72-PB1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2722.1	2722.1	2722.1	2722.1	2722.1
2.5°	2722.1	2722.1	2720.0	2717.9	2724.3
5°	2713.6	2714.6	2711.4	2709.3	2713.6
7.5°	2700.7	2700.7	2697.5	2695.3	2699.6
10°	2680.3	2680.3	2678.2	2677.1	2681.4
12.5°	2653.5	2654.6	2652.5	2651.4	2656.7
15°	2619.2	2620.3	2619.2	2618.2	2622.4
17.5°	2582.8	2583.8	2581.7	2578.5	2582.8
20°	2536.7	2538.8	2534.5	2532.4	2536.7
22.5°	2485.2	2487.3	2483.1	2480.9	2480.9
25°	2428.4	2427.3	2423.0	2418.7	2419.8
27.5°	2361.9	2363.0	2356.5	2352.3	2355.5
30°	2290.1	2291.1	2281.5	2278.3	2279.4
32.5°	2209.7	2208.6	2200.0	2194.7	2194.7
35°	2122.8	2119.6	2110.0	2101.4	2101.4
37.5°	2022.0	2019.9	2009.2	1998.5	1995.2
40°	1911.6	1909.5	1893.4	1879.5	1874.1
42.5°	1798.0	1791.5	1765.8	1744.4	1739.0
45°	1672.5	1660.7	1623.2	1600.7	1595.3
47.5°	1537.4	1522.4	1471.0	1445.2	1443.1
50°	1394.8	1368.0	1316.6	1283.3	1279.1
52.5°	1251.2	1212.6	1153.6	1129.0	1135.4
55°	1107.5	1062.5	1008.9	985.3	993.9
57.5°	968.1	921.0	874.9	851.3	856.6
60°	836.3	795.5	751.6	732.3	738.7
62.5°	706.5	680.8	643.3	626.1	634.7
65°	596.1	576.8	544.6	533.9	538.2
67.5°	499.6	484.6	456.7	448.2	454.6
70°	409.6	398.8	377.4	374.2	379.5
72.5°	323.8	317.4	305.6	300.2	303.4
75°	243.4	239.1	232.7	229.4	234.8
77.5°	175.8	172.6	170.5	170.5	171.5
80°	119.0	117.9	116.9	115.8	117.9
82.5°	72.9	72.9	72.9	72.9	74.0
85°	36.5	37.5	38.6	37.5	38.6
87.5°	11.8	12.9	13.9	13.9	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)