

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: P1192936

Luminaire Tested: 24PT-90-PB1-L950

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192936
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-90-PB1-L950
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 90 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

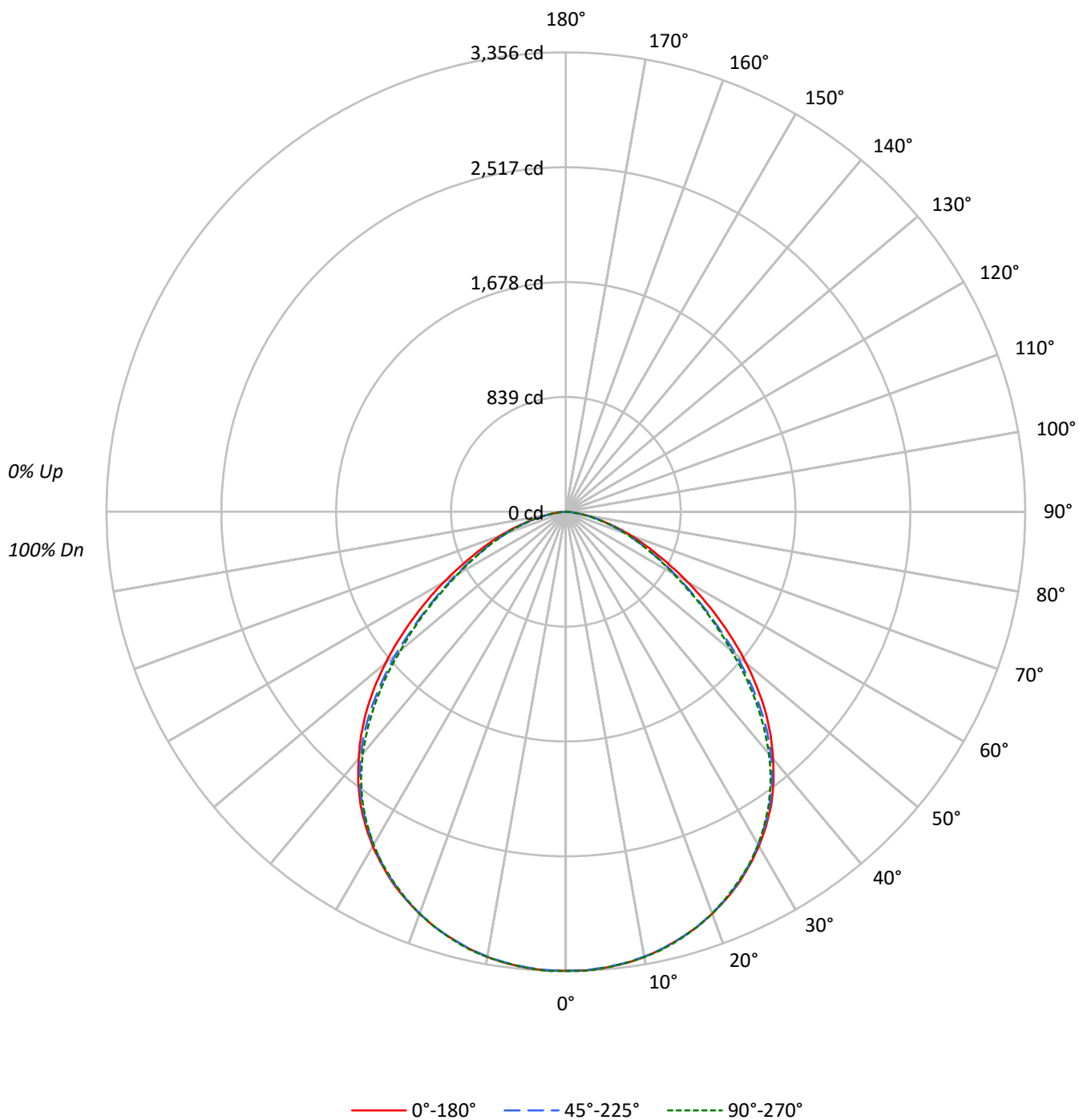
Lumens per Lamp: N/A
Luminaire Lumens: 7964.0 lumens
Efficiency: N/A
Efficacy: 104.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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: P1192936

CATALOG NUMBER: 24PT-90-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°	4796	4796	4796
5°	4800	4796	4800
10°	4796	4792	4798
15°	4778	4778	4784
20°	4757	4753	4757
25°	4721	4711	4704
30°	4659	4642	4638
35°	4566	4539	4520
40°	4397	4355	4311
45°	4168	4045	3975
50°	3824	3609	3506
55°	3402	3099	3053
60°	2947	2649	2603
65°	2485	2271	2244
70°	2110	1944	1955
75°	1657	1584	1599
80°	1207	1186	1197
85°	737	781	781

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4168 cd/sqm

TEST NUMBER: P1192936

CATALOG NUMBER: 24PT-90-PB1-L950

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	317.7	4.0
10°-20°	910.9	11.4
20°-30°	1375.0	17.3
30°-40°	1621.4	20.4
40°-50°	1540.6	19.3
50°-60°	1136.8	14.3
60°-70°	686.2	8.6
70°-80°	314.1	3.9
80°-90°	61.3	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°	2603.6	32.7
0°-40°	4225.1	53.1
0°-60°	6902.5	86.7
0°-90°	7964.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7964.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3354	3354	3354	3354	3354	
5°	3343	3345	3341	3338	3343	318
15°	3227	3228	3227	3226	3231	911
25°	2992	2991	2985	2980	2981	1377
35°	2615	2612	2600	2589	2589	1630
45°	2061	2046	2000	1972	1966	1582
55°	1364	1309	1243	1214	1224	1222
65°	734	711	671	658	663	738
75°	300	295	287	283	289	327
85°	45	46	48	46	48	60
90°	0	0	0	0	0	

TEST NUMBER: P1192936

CATALOG NUMBER: 24PT-90-PB1-L950

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3353.8	3353.8	3353.8	3353.8	3353.8
2.5°	3353.8	3353.8	3351.2	3348.5	3356.5
5°	3343.3	3344.6	3340.6	3338.0	3343.3
7.5°	3327.4	3327.4	3323.5	3320.8	3326.1
10°	3302.3	3302.3	3299.7	3298.4	3303.6
12.5°	3269.3	3270.6	3268.0	3266.7	3273.3
15°	3227.0	3228.3	3227.0	3225.7	3231.0
17.5°	3182.1	3183.4	3180.8	3176.8	3182.1
20°	3125.3	3128.0	3122.7	3120.0	3125.3
22.5°	3061.9	3064.6	3059.3	3056.6	3056.6
25°	2991.9	2990.6	2985.3	2980.0	2981.3
27.5°	2910.0	2911.3	2903.4	2898.1	2902.1
30°	2821.5	2822.8	2810.9	2807.0	2808.3
32.5°	2722.4	2721.1	2710.5	2703.9	2703.9
35°	2615.4	2611.5	2599.6	2589.0	2589.0
37.5°	2491.3	2488.6	2475.4	2462.2	2458.2
40°	2355.2	2352.6	2332.8	2315.6	2309.0
42.5°	2215.2	2207.3	2175.6	2149.1	2142.5
45°	2060.6	2046.1	1999.9	1972.1	1965.5
47.5°	1894.2	1875.7	1812.3	1780.6	1778.0
50°	1718.5	1685.5	1622.1	1581.1	1575.9
52.5°	1541.5	1494.0	1421.3	1390.9	1398.9
55°	1364.5	1309.0	1243.0	1213.9	1224.5
57.5°	1192.8	1134.7	1077.9	1048.8	1055.4
60°	1030.3	980.1	926.0	902.2	910.1
62.5°	870.5	838.8	792.6	771.4	782.0
65°	734.4	710.7	671.0	657.8	663.1
67.5°	615.6	597.1	562.7	552.1	560.1
70°	504.6	491.4	465.0	461.0	467.6
72.5°	398.9	391.0	376.5	369.9	373.8
75°	299.9	294.6	286.6	282.7	289.3
77.5°	216.6	212.7	210.0	210.0	211.3
80°	146.6	145.3	144.0	142.7	145.3
82.5°	89.8	89.8	89.8	89.8	91.1
85°	44.9	46.2	47.6	46.2	47.6
87.5°	14.5	15.9	17.2	17.2	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)