

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: P1192913

Luminaire Tested: 24PT-72-PB1-L830

Issue Date: 10/2/2025

Test Information

Test Method: LM-79-2019
Report Number: P1192913
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-L830
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS
Light Source: -
Ballast/Driver: -

Summary

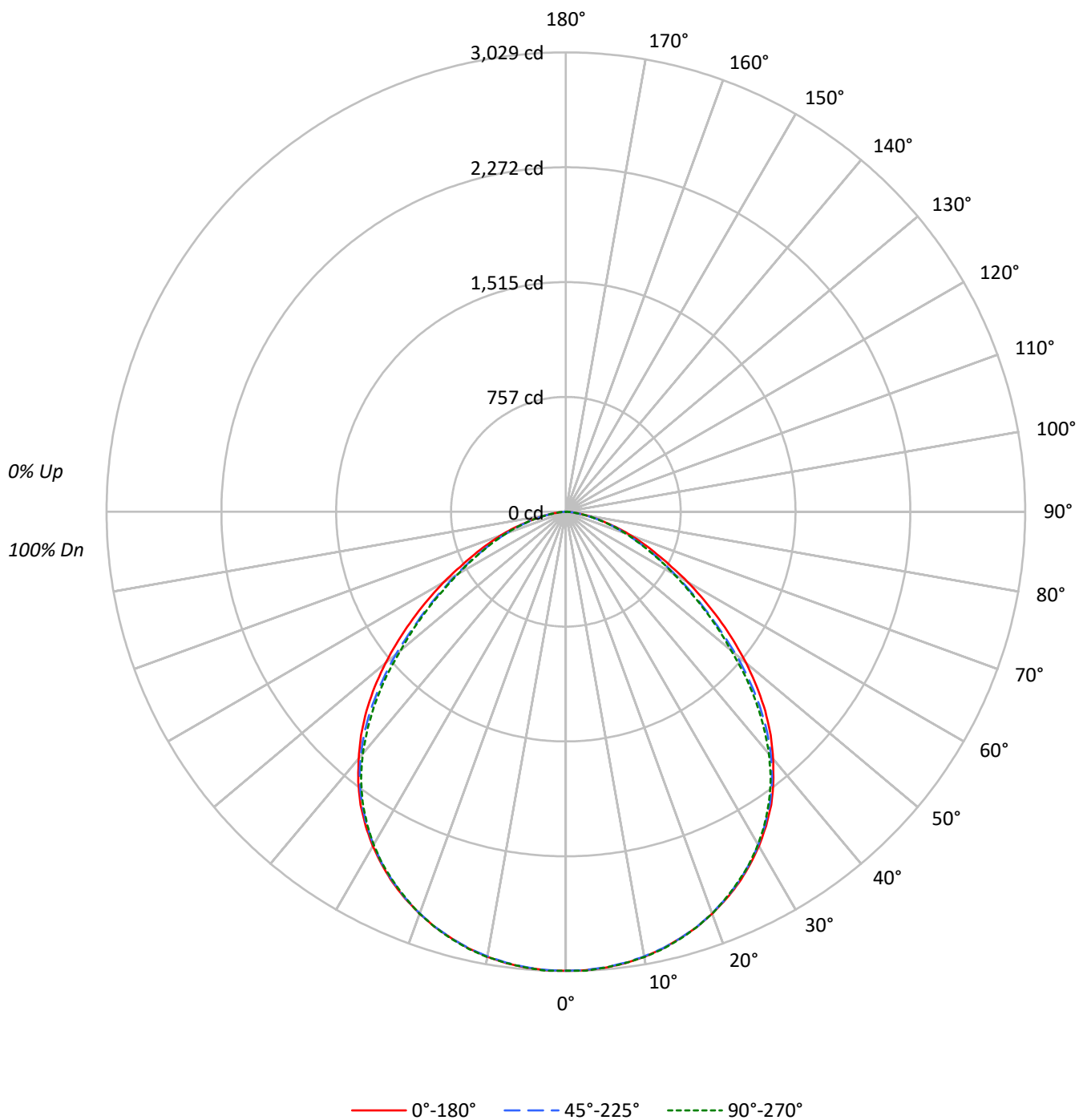
Lumens per Lamp: N/A
Luminaire Lumens: 7186.0 lumens
Efficiency: N/A
Efficacy: 119.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.32
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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
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°	4328	4328	4328
5°	4331	4327	4331
10°	4327	4324	4329
15°	4311	4311	4317
20°	4292	4288	4292
25°	4260	4251	4245
30°	4204	4188	4184
35°	4120	4095	4079
40°	3967	3930	3890
45°	3761	3650	3587
50°	3450	3256	3164
55°	3070	2797	2755
60°	2659	2390	2349
65°	2243	2049	2025
70°	1904	1754	1764
75°	1495	1429	1442
80°	1090	1070	1080
85°	665	704	704

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3761 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.6	4.0
10°-20°	821.9	11.4
20°-30°	1240.7	17.3
30°-40°	1463.0	20.4
40°-50°	1390.1	19.3
50°-60°	1025.8	14.3
60°-70°	619.1	8.6
70°-80°	283.4	3.9
80°-90°	55.3	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°	2349.3	32.7
0°-40°	3812.3	53.1
0°-60°	6228.2	86.7
0°-90°	7186.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7186.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3026	3026	3026	3026	3026	
5°	3017	3018	3014	3012	3017	287
15°	2912	2913	2912	2911	2915	822
25°	2700	2698	2694	2689	2690	1243
35°	2360	2356	2346	2336	2336	1471
45°	1859	1846	1804	1780	1774	1428
55°	1231	1181	1122	1095	1105	1102
65°	663	641	606	594	598	666
75°	271	266	259	255	261	295
85°	40	42	43	42	43	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3026.2	3026.2	3026.2	3026.2	3026.2
2.5°	3026.2	3026.2	3023.8	3021.4	3028.6
5°	3016.7	3017.9	3014.3	3011.9	3016.7
7.5°	3002.4	3002.4	2998.8	2996.4	3001.2
10°	2979.7	2979.7	2977.3	2976.1	2980.9
12.5°	2949.9	2951.1	2948.7	2947.5	2953.5
15°	2911.8	2913.0	2911.8	2910.6	2915.4
17.5°	2871.3	2872.4	2870.1	2866.5	2871.3
20°	2820.0	2822.4	2817.6	2815.2	2820.0
22.5°	2762.8	2765.2	2760.4	2758.0	2758.0
25°	2699.6	2698.4	2693.7	2688.9	2690.1
27.5°	2625.7	2626.9	2619.8	2615.0	2618.6
30°	2545.9	2547.1	2536.3	2532.8	2533.9
32.5°	2456.5	2455.3	2445.8	2439.8	2439.8
35°	2359.9	2356.4	2345.6	2336.1	2336.1
37.5°	2247.9	2245.5	2233.6	2221.7	2218.1
40°	2125.1	2122.7	2104.9	2089.4	2083.4
42.5°	1998.8	1991.6	1963.0	1939.2	1933.2
45°	1859.3	1846.2	1804.5	1779.5	1773.5
47.5°	1709.2	1692.5	1635.3	1606.7	1604.3
50°	1550.6	1520.8	1463.6	1426.7	1421.9
52.5°	1390.9	1348.0	1282.5	1255.1	1262.2
55°	1231.2	1181.2	1121.6	1095.3	1104.9
57.5°	1076.3	1023.8	972.6	946.4	952.3
60°	929.7	884.4	835.5	814.1	821.2
62.5°	785.5	756.8	715.1	696.1	705.6
65°	662.7	641.2	605.5	593.6	598.3
67.5°	555.4	538.7	507.7	498.2	505.4
70°	455.3	443.4	419.5	416.0	421.9
72.5°	359.9	352.8	339.7	333.7	337.3
75°	270.6	265.8	258.6	255.1	261.0
77.5°	195.5	191.9	189.5	189.5	190.7
80°	132.3	131.1	129.9	128.7	131.1
82.5°	81.0	81.0	81.0	81.0	82.2
85°	40.5	41.7	42.9	41.7	42.9
87.5°	13.1	14.3	15.5	15.5	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)