

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: P1050967

Luminaire Tested: 24PTR-72-PR1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72-PR1-L850-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

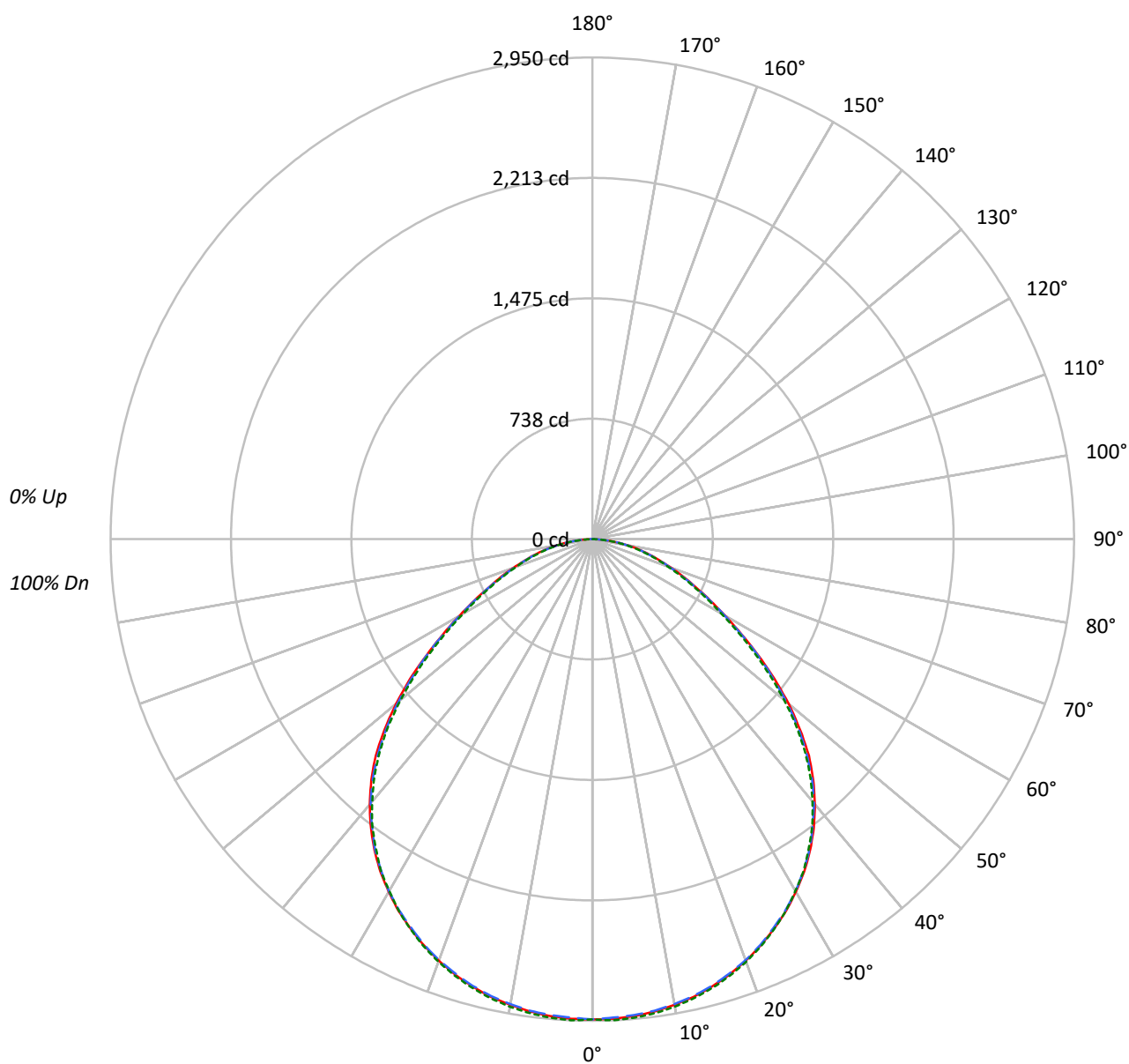
Lumens per Lamp: N/A
Luminaire Lumens: 7438.9 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 60
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3958	3958	3958
5°	3961	3953	3974
10°	3958	3951	3973
15°	3951	3945	3963
20°	3934	3929	3945
25°	3908	3899	3913
30°	3874	3869	3864
35°	3820	3812	3796
40°	3724	3709	3683
45°	3569	3529	3503
50°	3283	3247	3206
55°	2906	2893	2837
60°	2525	2516	2448
65°	2226	2212	2168
70°	2019	1991	1950
75°	1870	1826	1792
80°	1707	1683	1626
85°	1348	1337	1283

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3569 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	279.0	3.8
10°-20°	800.9	10.8
20°-30°	1213.3	16.3
30°-40°	1448.4	19.5
40°-50°	1424.4	19.1
50°-60°	1100.9	14.8
60°-70°	694.2	9.3
70°-80°	375.5	5.0
80°-90°	102.6	1.4
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°	2293.1	30.8
0°-40°	3741.5	50.3
0°-60°	6266.7	84.2
0°-90°	7438.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7438.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2942	2942	2942	2942	2942	
5°	2933	2934	2926	2939	2943	279
15°	2836	2837	2832	2841	2845	800
25°	2633	2635	2626	2635	2636	1213
35°	2326	2327	2320	2318	2311	1452
45°	1875	1868	1854	1840	1841	1436
55°	1239	1249	1233	1214	1209	1112
65°	699	700	695	683	681	703
75°	360	356	351	353	345	382
85°	87	88	87	87	83	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2941.5	2941.5	2941.5	2941.5	2941.5
2.5°	2940.3	2941.5	2933.0	2946.8	2949.9
5°	2933.0	2934.2	2926.5	2939.2	2942.6
7.5°	2918.1	2920.4	2913.1	2925.8	2928.8
10°	2897.0	2899.3	2892.1	2904.7	2907.8
12.5°	2871.0	2871.7	2865.6	2877.1	2880.2
15°	2836.1	2836.9	2831.9	2841.1	2845.3
17.5°	2795.9	2797.1	2789.8	2801.3	2803.2
20°	2747.6	2748.4	2744.2	2753.8	2754.9
22.5°	2693.6	2695.9	2689.4	2697.8	2699.0
25°	2632.7	2634.6	2626.2	2634.6	2635.8
27.5°	2568.4	2569.1	2561.9	2568.4	2567.2
30°	2493.3	2499.8	2490.2	2487.9	2487.2
32.5°	2415.5	2416.3	2407.1	2404.8	2409.0
35°	2325.9	2326.7	2320.5	2317.5	2311.0
37.5°	2227.8	2227.8	2216.0	2214.0	2212.9
40°	2120.2	2119.0	2111.8	2104.5	2096.8
42.5°	2003.0	2005.3	1990.3	1977.7	1975.8
45°	1875.4	1868.1	1854.4	1839.8	1841.0
47.5°	1724.9	1726.8	1708.0	1696.2	1693.1
50°	1568.6	1568.6	1551.0	1538.3	1531.8
52.5°	1405.4	1406.6	1389.7	1372.9	1369.4
55°	1238.8	1249.1	1233.4	1213.5	1209.3
57.5°	1082.9	1091.3	1076.4	1055.3	1054.2
60°	938.5	939.2	935.0	915.1	909.8
62.5°	815.1	809.8	807.5	797.1	790.6
65°	699.1	700.2	694.9	683.0	681.1
67.5°	605.2	604.1	594.5	587.2	583.0
70°	513.3	510.2	506.0	499.9	495.7
72.5°	431.3	431.3	427.9	426.0	418.7
75°	359.7	355.5	351.3	353.2	344.7
77.5°	291.1	286.9	283.5	279.2	277.3
80°	220.3	216.0	217.2	210.7	209.9
82.5°	152.8	152.8	150.9	145.6	146.7
85°	87.3	88.5	86.6	87.3	83.1
87.5°	31.8	32.6	34.9	32.6	32.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)