

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: P1051024

Luminaire Tested: 24PTR-100-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051024
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PW1-L835-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

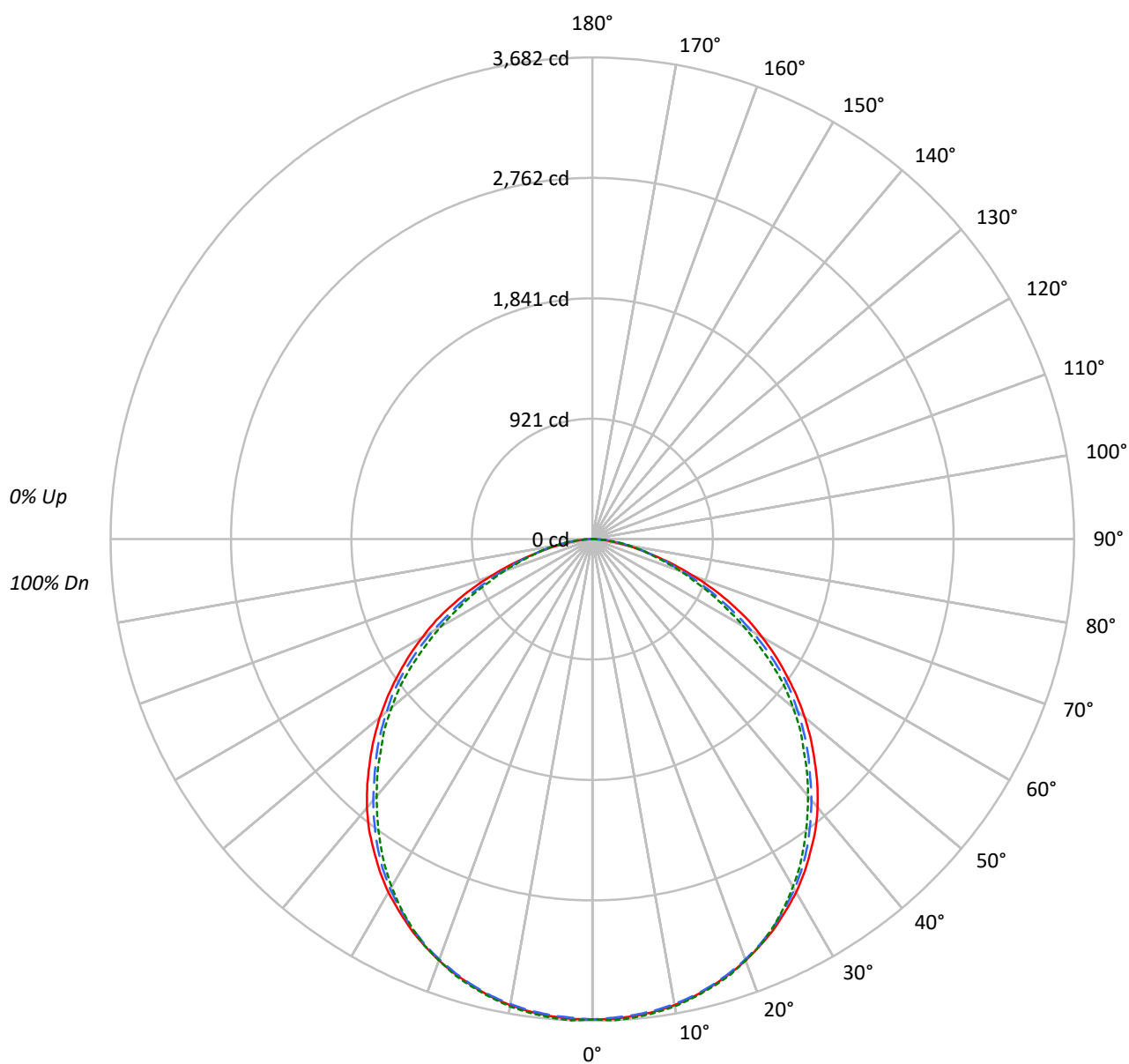
Lumens per Lamp: N/A
Luminaire Lumens: 9743.7 lumens
Efficiency: N/A
Efficacy: 114.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4940	4940	4940
5°	4944	4934	4959
10°	4942	4931	4956
15°	4927	4919	4938
20°	4907	4895	4907
25°	4880	4859	4855
30°	4843	4800	4767
35°	4778	4706	4645
40°	4704	4576	4504
45°	4574	4439	4349
50°	4436	4291	4192
55°	4251	4107	3944
60°	4031	3793	3594
65°	3728	3387	3219
70°	3232	2948	2838
75°	2580	2524	2454
80°	1961	2191	2191
85°	1450	1870	1870

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4574 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	348.2	3.6
10°-20°	998.7	10.2
20°-30°	1509.4	15.5
30°-40°	1792.2	18.4
40°-50°	1805.6	18.5
50°-60°	1560.7	16.0
60°-70°	1066.7	10.9
70°-80°	526.0	5.4
80°-90°	136.0	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°	2856.3	29.3
0°-40°	4648.5	47.7
0°-60°	8014.9	82.3
0°-90°	9743.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9743.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3672	3672	3672	3672	3672	
5°	3661	3662	3653	3668	3672	348
15°	3537	3541	3532	3544	3545	998
25°	3287	3284	3273	3276	3271	1514
35°	2909	2899	2865	2839	2828	1821
45°	2404	2378	2333	2306	2285	1855
55°	1812	1807	1751	1699	1681	1620
65°	1171	1129	1064	1017	1011	1156
75°	496	492	486	486	472	541
85°	94	110	121	124	121	115
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3671.6	3671.6	3671.6	3671.6	3671.6
2.5°	3670.6	3671.6	3662.2	3678.5	3682.4
5°	3660.7	3662.2	3652.8	3667.6	3671.6
7.5°	3643.4	3645.9	3635.0	3649.8	3652.8
10°	3617.2	3618.7	3609.3	3624.1	3627.1
12.5°	3582.1	3583.1	3575.2	3588.5	3588.5
15°	3537.1	3541.1	3531.7	3544.0	3545.0
17.5°	3486.7	3488.2	3478.8	3492.1	3495.1
20°	3426.9	3426.9	3419.0	3429.8	3426.9
22.5°	3360.1	3360.1	3350.7	3356.2	3358.6
25°	3287.0	3284.0	3273.1	3276.1	3270.6
27.5°	3202.4	3202.4	3183.1	3183.1	3173.8
30°	3116.9	3110.0	3089.7	3077.4	3068.0
32.5°	3018.5	3009.1	2983.4	2961.7	2954.8
35°	2908.8	2898.9	2864.8	2839.1	2828.2
37.5°	2802.5	2780.7	2735.8	2710.1	2697.7
40°	2678.4	2651.2	2605.2	2569.7	2564.2
42.5°	2545.4	2523.7	2463.9	2437.7	2431.2
45°	2404.0	2377.8	2332.9	2305.7	2285.4
47.5°	2265.1	2245.9	2194.4	2161.8	2154.9
50°	2119.3	2103.0	2050.1	2015.0	2002.6
52.5°	1968.5	1957.6	1912.7	1867.7	1852.8
55°	1812.3	1806.9	1751.0	1699.1	1681.3
57.5°	1658.6	1651.6	1581.9	1522.1	1505.8
60°	1497.9	1477.6	1409.4	1353.5	1335.7
62.5°	1345.6	1302.1	1228.5	1185.0	1164.7
65°	1171.1	1129.1	1063.9	1017.4	1011.0
67.5°	1000.1	949.7	899.2	870.6	848.8
70°	821.6	787.5	749.4	725.2	721.3
72.5°	655.5	631.3	612.0	597.2	584.8
75°	496.3	492.4	485.5	485.5	472.1
77.5°	364.8	374.2	379.7	378.2	381.1
80°	253.1	271.9	282.8	284.3	282.8
82.5°	160.7	182.4	200.2	202.7	205.7
85°	93.9	110.2	121.1	123.6	121.1
87.5°	42.0	52.9	55.9	58.3	55.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)