

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: P1050716

Luminaire Tested: 24PTR-100-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050716
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PL1-L835-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

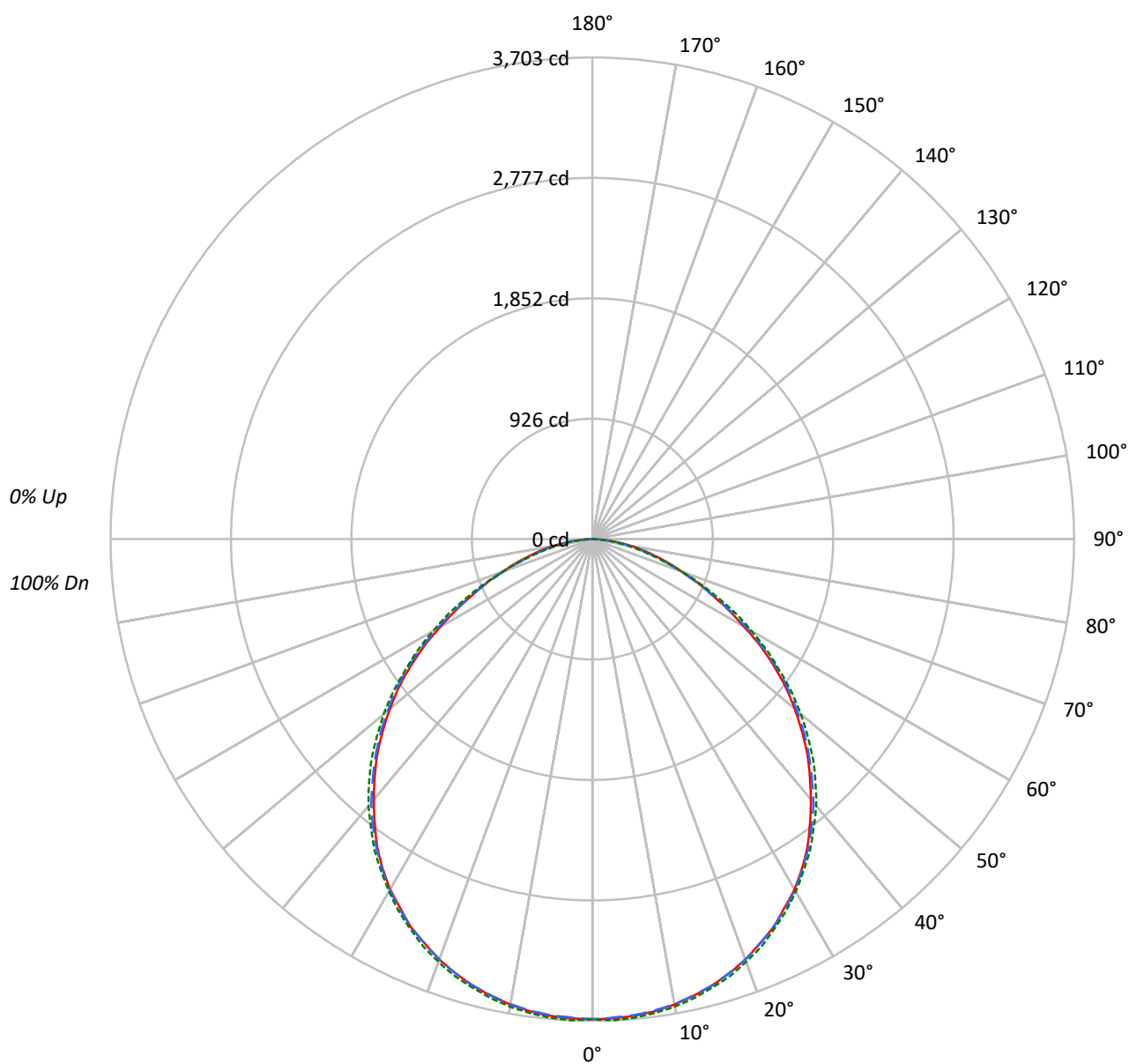
Lumens per Lamp: N/A
Luminaire Lumens: 9729.1 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4966	4966	4966
5°	4970	4961	4988
10°	4964	4959	4986
15°	4949	4947	4972
20°	4924	4924	4952
25°	4891	4884	4911
30°	4829	4836	4859
35°	4737	4755	4793
40°	4590	4643	4702
45°	4447	4484	4570
50°	4251	4297	4382
55°	4004	4068	4116
60°	3632	3709	3802
65°	3226	3260	3392
70°	2883	2825	2895
75°	2601	2452	2402
80°	2364	2194	1948
85°	2002	1819	1565

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 4570 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.1	3.6
10°-20°	1004.2	10.3
20°-30°	1518.9	15.6
30°-40°	1810.5	18.6
40°-50°	1820.5	18.7
50°-60°	1545.1	15.9
60°-70°	1028.8	10.6
70°-80°	513.7	5.3
80°-90°	137.4	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°	2873.1	29.5
0°-40°	4683.6	48.1
0°-60°	8049.3	82.7
0°-90°	9729.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9729.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3691	3691	3691	3691	3691	
5°	3680	3681	3673	3689	3693	350
15°	3553	3557	3551	3566	3569	1002
25°	3294	3294	3290	3305	3308	1515
35°	2884	2887	2895	2915	2918	1799
45°	2337	2341	2356	2388	2402	1798
55°	1707	1719	1734	1751	1754	1521
65°	1013	1022	1024	1040	1065	1016
75°	500	493	472	461	462	537
85°	130	127	118	111	101	150
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3690.9	3690.9	3690.9	3690.9	3690.9
2.5°	3687.9	3690.9	3681.0	3698.9	3703.3
5°	3680.0	3681.0	3673.0	3689.4	3693.4
7.5°	3662.1	3663.6	3655.1	3673.0	3675.5
10°	3633.3	3636.3	3629.3	3645.7	3649.7
12.5°	3596.5	3600.5	3593.5	3611.4	3614.4
15°	3552.8	3556.8	3551.3	3566.2	3569.2
17.5°	3499.1	3502.1	3499.1	3513.0	3521.0
20°	3439.0	3439.0	3439.0	3451.4	3458.4
22.5°	3364.0	3370.9	3367.9	3384.3	3391.3
25°	3294.4	3294.4	3289.9	3305.3	3307.8
27.5°	3197.0	3207.9	3206.9	3220.4	3223.3
30°	3108.1	3111.0	3112.5	3122.0	3127.4
32.5°	3000.2	3002.7	3007.2	3020.6	3022.1
35°	2884.0	2886.9	2894.9	2915.3	2918.3
37.5°	2748.8	2763.7	2770.7	2792.5	2795.0
40°	2613.2	2622.6	2643.5	2666.3	2677.3
42.5°	2475.0	2486.0	2498.4	2529.7	2539.6
45°	2336.9	2340.9	2356.3	2387.6	2401.5
47.5°	2183.8	2196.3	2209.7	2237.0	2245.5
50°	2030.8	2044.2	2052.7	2077.0	2093.4
52.5°	1876.3	1888.7	1898.1	1913.0	1929.4
55°	1706.8	1718.8	1734.2	1750.6	1754.5
57.5°	1534.4	1547.8	1557.8	1575.2	1593.0
60°	1349.6	1365.0	1378.4	1394.8	1412.7
62.5°	1177.6	1184.1	1198.0	1225.3	1251.2
65°	1013.2	1021.6	1024.1	1039.5	1065.3
67.5°	876.5	876.5	864.1	869.6	898.4
70°	732.9	727.5	718.0	712.5	735.9
72.5°	616.6	609.7	589.3	579.9	592.3
75°	500.4	493.4	471.6	460.6	462.1
77.5°	402.0	391.1	373.2	354.3	350.3
80°	305.1	300.6	283.2	265.3	251.4
82.5°	216.1	206.7	196.8	185.8	174.9
85°	129.7	127.2	117.8	110.8	101.4
87.5°	53.2	53.2	50.7	47.7	45.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)