

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: P1050485

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-L835-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

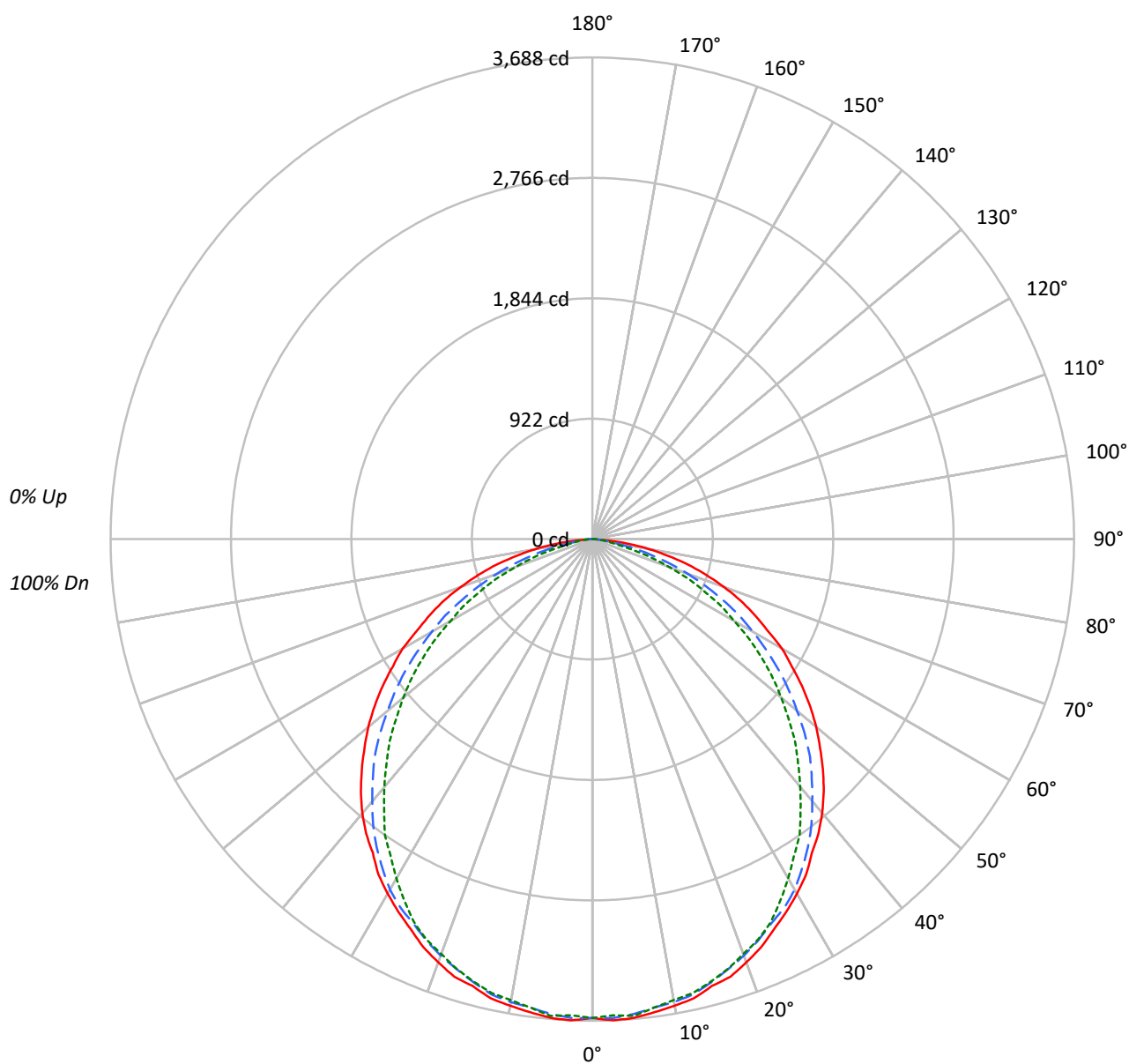
Lumens per Lamp: N/A
Luminaire Lumens: 9766.4 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050485

CATALOG NUMBER: 24PTR-100-L835-UNV-STD-W

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
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	56	68	61	56	66	60	55	64	58	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	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	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	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4933	4933	4933
5°	4970	4928	4949
10°	4956	4917	4896
15°	4934	4894	4885
20°	4937	4859	4840
25°	4889	4817	4801
30°	4869	4814	4658
35°	4814	4728	4545
40°	4810	4603	4350
45°	4749	4484	4176
50°	4685	4283	3949
55°	4595	4083	3709
60°	4513	3820	3367
65°	4359	3504	3011
70°	4218	3050	2457
75°	3962	2407	1692
80°	3435	1455	1015
85°	2293	1045	977

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4749 cd/sqm

TEST NUMBER: P1050485

CATALOG NUMBER: 24PTR-100-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.5	3.6
10°-20°	994.5	10.2
20°-30°	1502.2	15.4
30°-40°	1786.1	18.3
40°-50°	1811.5	18.5
50°-60°	1573.0	16.1
60°-70°	1116.7	11.4
70°-80°	533.6	5.5
80°-90°	101.1	1.0
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°	2844.3	29.1
0°-40°	4630.4	47.4
0°-60°	8014.9	82.1
0°-90°	9766.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9766.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3666	3666	3666	3666	3666	
5°	3680	3666	3649	3658	3664	349
15°	3542	3551	3514	3509	3507	1003
25°	3293	3289	3245	3258	3234	1521
35°	2931	2926	2878	2780	2767	1841
45°	2496	2474	2356	2232	2195	1925
55°	1959	1900	1740	1638	1581	1750
65°	1369	1267	1101	983	946	1356
75°	762	622	463	367	325	799
85°	148	79	68	66	63	187
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3666.5	3666.5	3666.5	3666.5	3666.5
2.5°	3688.3	3675.2	3670.9	3686.2	3649.0
5°	3679.6	3666.5	3649.0	3657.8	3664.3
7.5°	3653.4	3642.5	3618.5	3638.1	3618.5
10°	3627.2	3616.3	3598.8	3605.4	3583.5
12.5°	3601.0	3574.8	3570.4	3574.8	3559.5
15°	3542.0	3550.8	3513.6	3509.3	3507.1
17.5°	3513.6	3491.8	3452.5	3454.7	3450.3
20°	3448.1	3421.9	3393.5	3389.2	3380.4
22.5°	3380.4	3349.9	3323.7	3336.8	3317.1
25°	3293.1	3288.7	3245.0	3258.1	3234.1
27.5°	3216.7	3201.4	3181.7	3153.3	3118.4
30°	3133.7	3118.4	3098.7	3024.5	2998.3
32.5°	3046.3	3028.9	2989.5	2902.2	2873.8
35°	2930.6	2926.2	2878.2	2779.9	2766.8
37.5°	2843.2	2795.2	2755.9	2655.4	2618.3
40°	2738.4	2712.2	2620.5	2524.4	2476.4
42.5°	2622.7	2592.1	2487.3	2384.7	2332.2
45°	2496.0	2474.2	2356.3	2231.8	2194.7
47.5°	2365.0	2345.3	2205.6	2085.5	2037.4
50°	2238.3	2214.3	2046.2	1930.4	1886.8
52.5°	2100.8	2061.5	1895.5	1781.9	1740.4
55°	1958.8	1899.9	1740.4	1637.8	1581.0
57.5°	1808.1	1753.5	1576.7	1469.7	1423.8
60°	1677.1	1600.7	1419.4	1310.2	1251.3
62.5°	1509.0	1443.5	1270.9	1142.1	1113.7
65°	1369.2	1266.6	1100.6	982.7	945.6
67.5°	1227.3	1107.2	939.0	818.9	799.3
70°	1072.2	947.7	775.2	657.3	624.6
72.5°	915.0	792.7	624.6	500.1	480.4
75°	762.1	622.4	463.0	366.9	325.4
77.5°	596.2	469.5	325.4	224.9	198.7
80°	443.3	316.6	187.8	133.2	131.0
82.5°	290.4	183.4	100.5	102.6	98.3
85°	148.5	78.6	67.7	65.5	63.3
87.5°	28.4	30.6	32.8	32.8	32.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)