

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: P1050870

Luminaire Tested: 24PTR-100-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PP3-L835-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

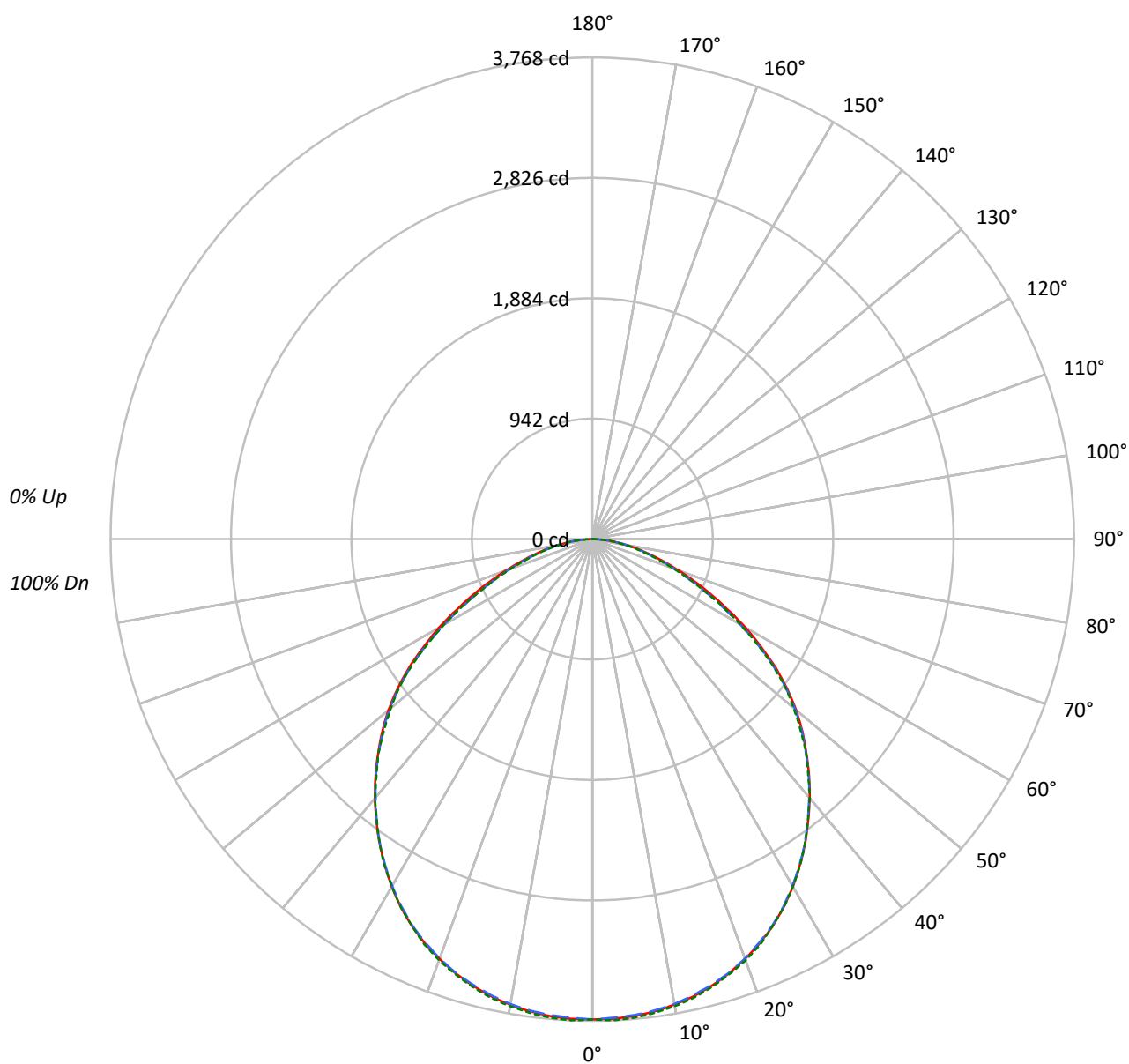
Lumens per Lamp: N/A
Luminaire Lumens: 9706.8 lumens
Efficiency: N/A
Efficacy: 114.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5055	5055	5055
5°	5059	5048	5075
10°	5052	5045	5069
15°	5036	5026	5049
20°	5002	4998	5019
25°	4958	4950	4956
30°	4875	4864	4875
35°	4768	4762	4766
40°	4647	4632	4644
45°	4507	4493	4499
50°	4356	4335	4304
55°	4101	4053	4040
60°	3721	3596	3603
65°	3269	3104	3100
70°	2827	2698	2666
75°	2444	2354	2303
80°	2166	2135	2039
85°	1789	1851	1744

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	356.3	3.7
10°-20°	1020.7	10.5
20°-30°	1536.7	15.8
30°-40°	1813.7	18.7
40°-50°	1824.0	18.8
50°-60°	1539.9	15.9
60°-70°	988.9	10.2
70°-80°	491.9	5.1
80°-90°	134.8	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°	2913.6	30.0
0°-40°	4727.3	48.7
0°-60°	8091.2	83.4
0°-90°	9706.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9706.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3757	3757	3757	3757	3757	
5°	3746	3747	3738	3755	3758	356
15°	3615	3616	3608	3625	3625	1020
25°	3340	3341	3334	3341	3338	1537
35°	2903	2905	2899	2902	2902	1814
45°	2368	2377	2362	2364	2364	1828
55°	1748	1747	1728	1721	1722	1555
65°	1027	1012	975	965	974	1024
75°	470	468	453	448	443	509
85°	116	120	120	113	113	136
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3756.9	3756.9	3756.9	3756.9	3756.9
2.5°	3755.4	3756.9	3746.9	3764.8	3767.8
5°	3746.0	3746.9	3737.5	3755.4	3757.8
7.5°	3726.6	3728.1	3719.7	3736.0	3739.0
10°	3697.9	3702.3	3692.4	3707.8	3710.3
12.5°	3662.7	3664.2	3654.3	3672.1	3675.1
15°	3615.1	3616.1	3608.2	3624.6	3624.6
17.5°	3560.1	3561.6	3556.2	3570.1	3568.6
20°	3493.7	3497.7	3490.8	3500.2	3505.6
22.5°	3421.4	3422.9	3414.5	3426.9	3432.3
25°	3339.6	3340.6	3334.2	3340.6	3338.2
27.5°	3244.0	3246.5	3237.1	3244.0	3245.5
30°	3137.5	3144.4	3131.0	3136.5	3137.5
32.5°	3023.0	3027.0	3017.6	3019.1	3026.0
35°	2903.1	2904.6	2899.1	2901.6	2901.6
37.5°	2773.8	2779.2	2770.8	2774.8	2769.3
40°	2645.5	2640.0	2637.0	2640.0	2644.0
42.5°	2510.2	2511.7	2507.7	2504.7	2498.3
45°	2368.5	2376.9	2361.5	2364.5	2364.5
47.5°	2229.7	2230.7	2222.8	2214.4	2208.9
50°	2081.1	2081.1	2071.2	2064.7	2056.3
52.5°	1918.6	1916.1	1905.2	1898.2	1902.2
55°	1748.1	1746.6	1727.8	1720.9	1722.3
57.5°	1561.3	1564.3	1535.5	1528.6	1528.6
60°	1382.9	1369.1	1336.4	1326.9	1338.8
62.5°	1195.6	1179.3	1144.1	1144.1	1153.5
65°	1026.7	1011.8	975.1	965.2	973.7
67.5°	868.6	854.7	821.0	815.6	818.1
70°	718.5	706.6	685.8	673.4	677.8
72.5°	589.1	578.2	564.4	555.0	549.5
75°	470.2	467.7	452.9	448.4	443.0
77.5°	372.1	371.1	358.7	353.3	347.8
80°	279.5	278.0	275.5	267.1	263.1
82.5°	199.2	199.2	197.7	190.8	186.8
85°	115.9	119.9	119.9	113.0	113.0
87.5°	46.6	49.1	46.6	46.6	45.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)