

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: P1051025

Luminaire Tested: 24PTR-90-PW1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051025
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-90-PW1-L835-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

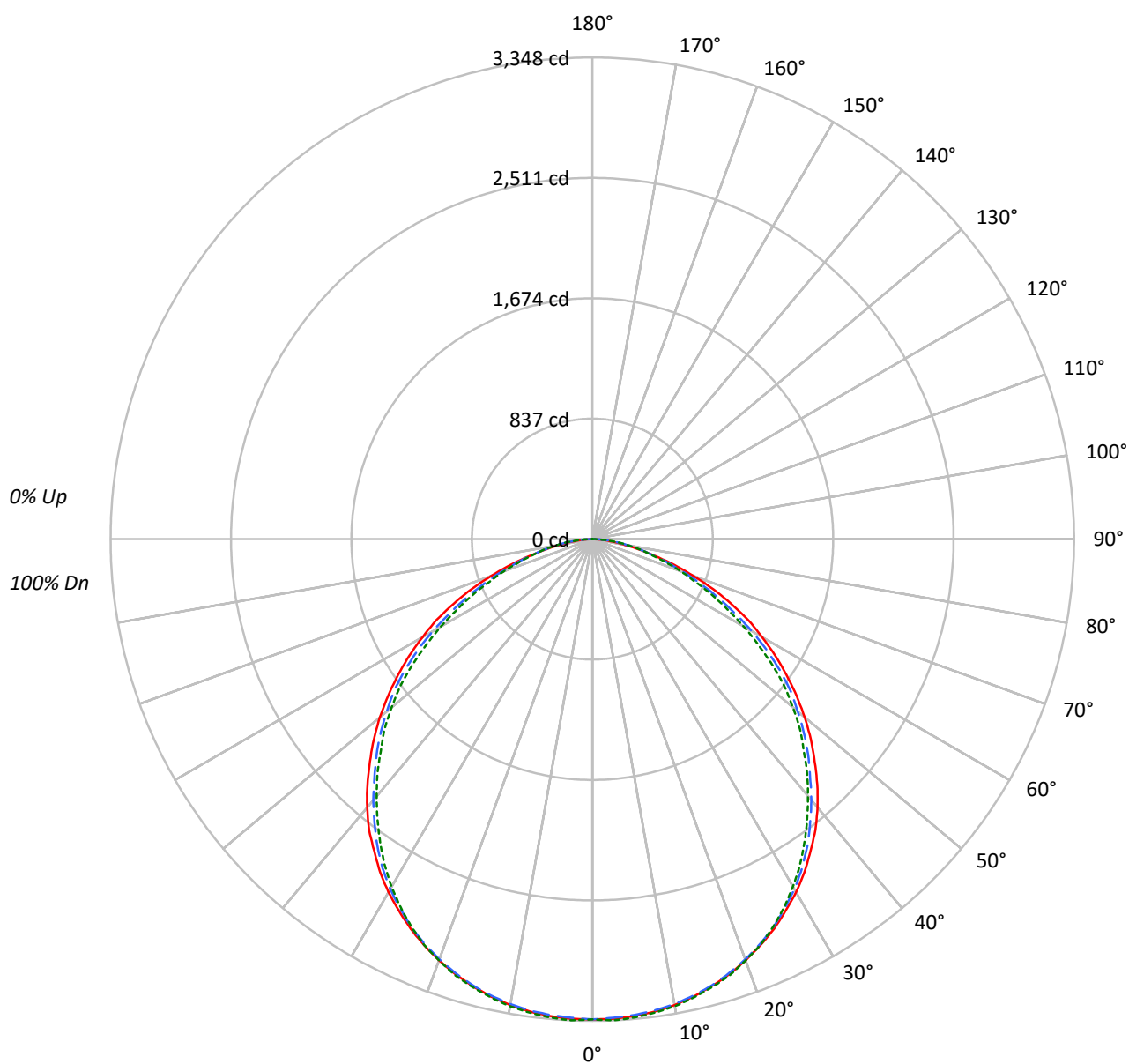
Lumens per Lamp: N/A
Luminaire Lumens: 8858.0 lumens
Efficiency: N/A
Efficacy: 116.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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°	4491	4491	4491
5°	4495	4485	4508
10°	4493	4483	4505
15°	4479	4472	4489
20°	4461	4450	4461
25°	4436	4418	4414
30°	4402	4364	4333
35°	4344	4278	4223
40°	4277	4160	4095
45°	4159	4035	3953
50°	4033	3901	3811
55°	3865	3734	3586
60°	3664	3448	3268
65°	3390	3079	2926
70°	2938	2680	2579
75°	2346	2294	2231
80°	1783	1992	1992
85°	1318	1700	1700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4159 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.5	3.6
10°-20°	907.9	10.2
20°-30°	1372.2	15.5
30°-40°	1629.3	18.4
40°-50°	1641.5	18.5
50°-60°	1418.9	16.0
60°-70°	969.8	10.9
70°-80°	478.2	5.4
80°-90°	123.7	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°	2596.7	29.3
0°-40°	4226.0	47.7
0°-60°	7286.4	82.3
0°-90°	8858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3338	3338	3338	3338	3338	
5°	3328	3329	3321	3334	3338	316
15°	3216	3219	3211	3222	3223	908
25°	2988	2986	2976	2978	2973	1377
35°	2644	2635	2604	2581	2571	1655
45°	2186	2162	2121	2096	2078	1687
55°	1648	1643	1592	1545	1528	1473
65°	1065	1026	967	925	919	1051
75°	451	448	441	441	429	492
85°	85	100	110	112	110	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3337.9	3337.9	3337.9	3337.9	3337.9
2.5°	3337.0	3337.9	3329.3	3344.2	3347.7
5°	3328.0	3329.3	3320.8	3334.3	3337.9
7.5°	3312.2	3314.5	3304.6	3318.1	3320.8
10°	3288.4	3289.8	3281.2	3294.7	3297.4
12.5°	3256.5	3257.4	3250.2	3262.4	3262.4
15°	3215.6	3219.2	3210.7	3221.9	3222.8
17.5°	3169.8	3171.1	3162.6	3174.7	3177.4
20°	3115.4	3115.4	3108.2	3118.1	3115.4
22.5°	3054.7	3054.7	3046.2	3051.1	3053.4
25°	2988.2	2985.5	2975.6	2978.3	2973.4
27.5°	2911.4	2911.4	2893.8	2893.8	2885.3
30°	2833.6	2827.3	2808.9	2797.7	2789.1
32.5°	2744.2	2735.6	2712.3	2692.5	2686.2
35°	2644.4	2635.4	2604.4	2581.0	2571.1
37.5°	2547.8	2528.0	2487.1	2463.7	2452.5
40°	2435.0	2410.3	2368.5	2336.1	2331.2
42.5°	2314.1	2294.3	2239.9	2216.1	2210.3
45°	2185.5	2161.7	2120.8	2096.1	2077.7
47.5°	2059.3	2041.7	1995.0	1965.3	1959.0
50°	1926.7	1911.8	1863.8	1831.8	1820.6
52.5°	1789.6	1779.7	1738.8	1697.9	1684.4
55°	1647.6	1642.6	1591.9	1544.7	1528.5
57.5°	1507.8	1501.5	1438.2	1383.8	1368.9
60°	1361.7	1343.3	1281.3	1230.5	1214.3
62.5°	1223.3	1183.8	1116.8	1077.3	1058.8
65°	1064.7	1026.5	967.2	924.9	919.1
67.5°	909.2	863.3	817.5	791.4	771.7
70°	746.9	715.9	681.3	659.3	655.7
72.5°	595.9	573.9	556.4	542.9	531.7
75°	451.2	447.6	441.3	441.3	429.2
77.5°	331.7	340.2	345.2	343.8	346.5
80°	230.1	247.2	257.1	258.4	257.1
82.5°	146.1	165.8	182.0	184.3	187.0
85°	85.4	100.2	110.1	112.4	110.1
87.5°	38.2	48.1	50.8	53.0	50.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)