

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: P1050837

Luminaire Tested: 24PTR-100-PLG-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PLG-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

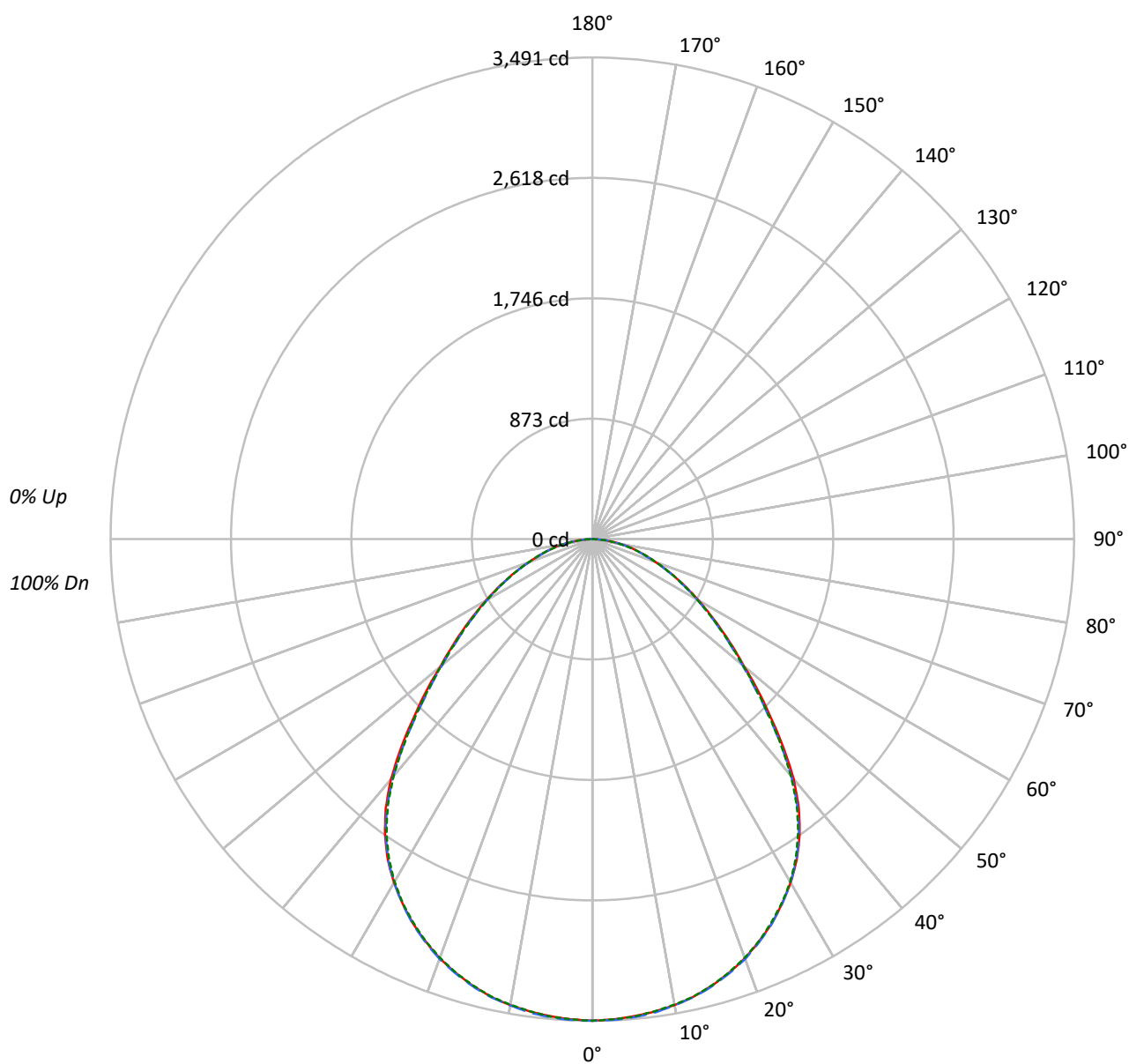
Lumens per Lamp: N/A
Luminaire Lumens: 7866.3 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4697	4697	4697
5°	4688	4698	4692
10°	4685	4688	4682
15°	4666	4673	4663
20°	4630	4637	4623
25°	4565	4568	4554
30°	4465	4465	4454
35°	4302	4289	4269
40°	3986	3943	3930
45°	3484	3428	3442
50°	3008	2972	2987
55°	2673	2633	2639
60°	2394	2360	2360
65°	2145	2130	2138
70°	1930	1910	1930
75°	1790	1764	1790
80°	1671	1651	1593
85°	1416	1416	1263

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3484 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.5	4.2
10°-20°	945.7	12.0
20°-30°	1415.1	18.0
30°-40°	1621.3	20.6
40°-50°	1402.2	17.8
50°-60°	1014.8	12.9
60°-70°	668.4	8.5
70°-80°	363.8	4.6
80°-90°	104.3	1.3
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°	2691.3	34.2
0°-40°	4312.6	54.8
0°-60°	6729.7	85.6
0°-90°	7866.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7866.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3491	3491	3491	3491	3491	
5°	3471	3479	3479	3479	3474	330
15°	3350	3352	3355	3360	3347	945
25°	3075	3075	3077	3080	3067	1414
35°	2619	2616	2611	2609	2599	1627
45°	1831	1826	1801	1799	1809	1418
55°	1140	1135	1122	1115	1125	1026
65°	674	679	669	664	671	673
75°	344	344	339	339	344	367
85°	92	92	92	94	82	106
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3491.0	3491.0	3491.0	3491.0	3491.0
2.5°	3483.6	3491.0	3488.5	3491.0	3483.6
5°	3471.2	3478.6	3478.6	3478.6	3473.7
7.5°	3453.8	3458.8	3461.3	3463.8	3451.4
10°	3429.1	3434.0	3431.5	3436.5	3426.6
12.5°	3396.9	3396.9	3399.3	3404.3	3394.4
15°	3349.8	3352.3	3354.7	3359.7	3347.3
17.5°	3295.3	3297.8	3300.2	3302.7	3292.8
20°	3233.3	3233.3	3238.3	3240.8	3228.4
22.5°	3156.5	3156.5	3161.5	3168.9	3154.1
25°	3074.8	3074.8	3077.2	3079.7	3067.3
27.5°	2978.1	2978.1	2980.6	2988.0	2973.2
30°	2874.1	2871.6	2874.1	2876.6	2866.6
32.5°	2757.6	2755.1	2752.7	2755.1	2742.8
35°	2618.9	2616.4	2611.4	2609.0	2599.1
37.5°	2457.8	2452.9	2443.0	2443.0	2433.1
40°	2269.5	2257.1	2244.8	2239.8	2237.3
42.5°	2051.5	2041.6	2024.2	2021.8	2021.8
45°	1831.0	1826.0	1801.3	1798.8	1808.7
47.5°	1632.8	1620.4	1598.1	1593.1	1608.0
50°	1437.0	1439.5	1419.7	1412.3	1427.1
52.5°	1283.4	1278.5	1261.1	1256.2	1268.6
55°	1139.7	1134.8	1122.4	1114.9	1124.9
57.5°	1008.4	1005.9	993.5	991.1	996.0
60°	889.5	887.0	877.1	874.6	877.1
62.5°	778.0	778.0	768.1	763.1	770.5
65°	673.9	678.9	669.0	664.0	671.4
67.5°	579.8	584.7	574.8	569.9	579.8
70°	490.6	495.5	485.6	480.7	490.6
72.5°	413.8	416.2	408.8	406.3	418.7
75°	344.4	344.4	339.4	339.4	344.4
77.5°	280.0	277.5	275.0	275.0	270.1
80°	215.6	213.1	213.1	213.1	205.6
82.5°	153.6	148.7	151.1	153.6	141.2
85°	91.7	91.7	91.7	94.2	81.8
87.5°	37.2	37.2	34.7	37.2	32.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)