

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: P1051002

Luminaire Tested: 24PTR-100-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PR1-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

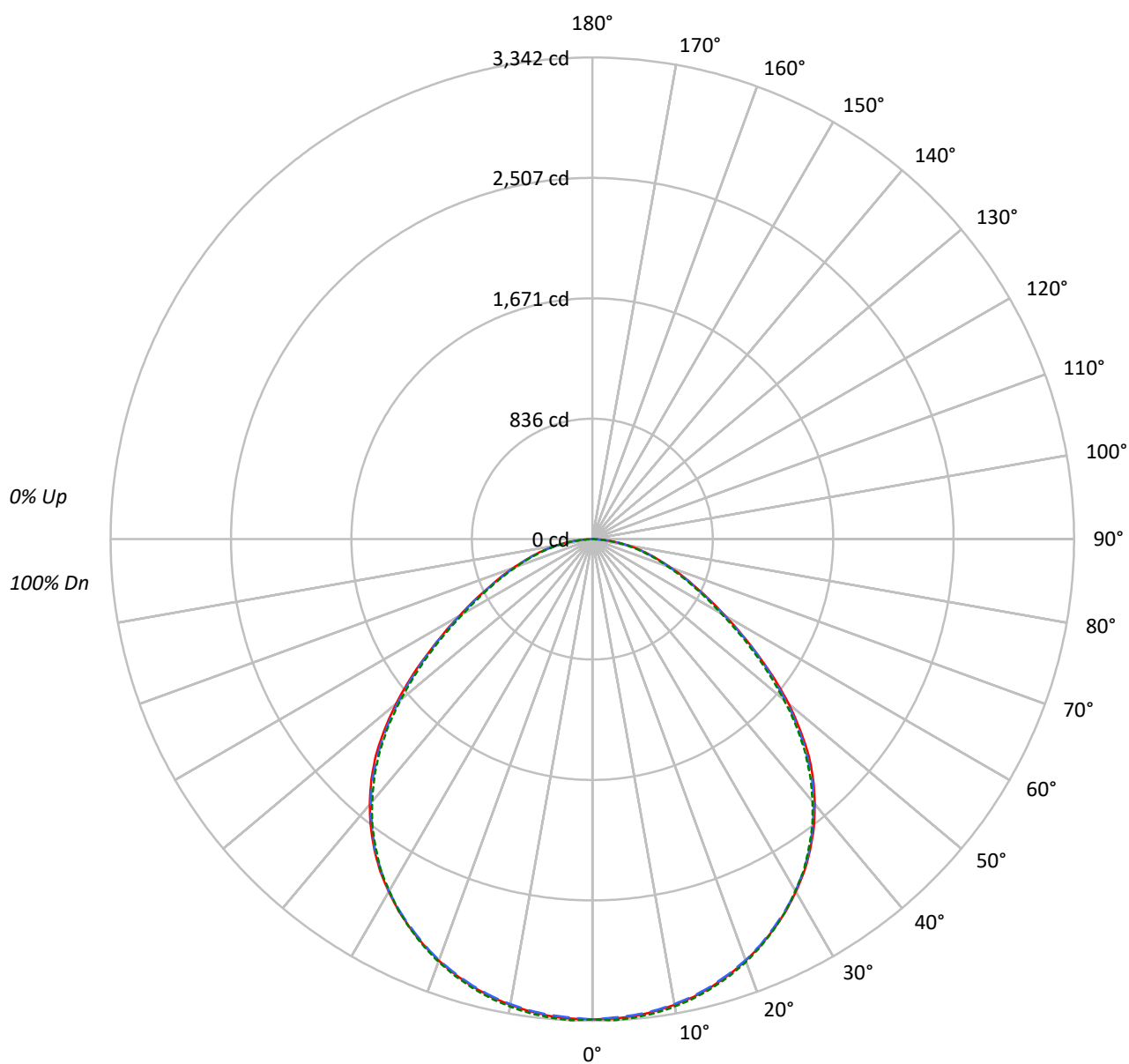
Lumens per Lamp: N/A
Luminaire Lumens: 8426.4 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4483	4483	4483
5°	4487	4477	4502
10°	4483	4476	4500
15°	4475	4468	4489
20°	4456	4451	4468
25°	4427	4416	4433
30°	4388	4383	4377
35°	4327	4318	4300
40°	4218	4202	4172
45°	4042	3997	3968
50°	3719	3678	3632
55°	3292	3278	3213
60°	2861	2850	2773
65°	2521	2506	2456
70°	2287	2255	2209
75°	2118	2069	2030
80°	1933	1906	1843
85°	1527	1514	1454

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4042 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.0	3.8
10°-20°	907.2	10.8
20°-30°	1374.3	16.3
30°-40°	1640.6	19.5
40°-50°	1613.4	19.1
50°-60°	1247.0	14.8
60°-70°	786.3	9.3
70°-80°	425.3	5.0
80°-90°	116.2	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°	2597.5	30.8
0°-40°	4238.1	50.3
0°-60°	7098.6	84.2
0°-90°	8426.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8426.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3332	3332	3332	3332	3332	
5°	3322	3324	3315	3329	3333	316
15°	3213	3214	3208	3218	3223	907
25°	2982	2984	2975	2984	2986	1374
35°	2635	2636	2629	2625	2618	1645
45°	2124	2116	2100	2084	2085	1627
55°	1403	1415	1397	1375	1370	1259
65°	792	793	787	774	772	797
75°	407	403	398	400	390	433
85°	99	100	98	99	94	118
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3331.9	3331.9	3331.9	3331.9	3331.9
2.5°	3330.6	3331.9	3322.4	3338.0	3341.5
5°	3322.4	3323.7	3315.0	3329.3	3333.2
7.5°	3305.5	3308.1	3299.8	3314.1	3317.6
10°	3281.6	3284.2	3275.9	3290.3	3293.7
12.5°	3252.1	3253.0	3246.0	3259.0	3262.5
15°	3212.6	3213.5	3207.8	3218.2	3223.0
17.5°	3167.0	3168.3	3160.1	3173.1	3175.3
20°	3112.4	3113.2	3108.5	3119.3	3120.6
22.5°	3051.2	3053.8	3046.4	3056.0	3057.3
25°	2982.2	2984.4	2974.8	2984.4	2985.7
27.5°	2909.3	2910.2	2901.9	2909.3	2908.0
30°	2824.3	2831.6	2820.8	2818.2	2817.3
32.5°	2736.2	2737.0	2726.6	2724.0	2728.8
35°	2634.6	2635.5	2628.6	2625.1	2617.7
37.5°	2523.6	2523.6	2510.1	2507.9	2506.6
40°	2401.6	2400.3	2392.1	2383.8	2375.2
42.5°	2268.9	2271.5	2254.5	2240.2	2238.1
45°	2124.4	2116.1	2100.5	2084.0	2085.3
47.5°	1953.9	1956.0	1934.8	1921.3	1917.8
50°	1776.8	1776.8	1756.9	1742.5	1735.2
52.5°	1592.0	1593.3	1574.2	1555.1	1551.2
55°	1403.2	1414.9	1397.2	1374.6	1369.8
57.5°	1226.6	1236.2	1219.3	1195.4	1194.1
60°	1063.1	1063.9	1059.2	1036.6	1030.5
62.5°	923.3	917.3	914.7	902.9	895.6
65°	791.9	793.2	787.1	773.6	771.5
67.5°	685.6	684.3	673.4	665.2	660.4
70°	581.4	578.0	573.2	566.2	561.5
72.5°	488.6	488.6	484.7	482.5	474.3
75°	407.4	402.7	397.9	400.1	390.5
77.5°	329.8	325.0	321.1	316.3	314.1
80°	249.5	244.7	246.0	238.6	237.8
82.5°	173.1	173.1	171.0	164.9	166.2
85°	98.9	100.2	98.1	98.9	94.2
87.5°	36.0	36.9	39.5	36.9	36.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)