

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: P1050540

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050540
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-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

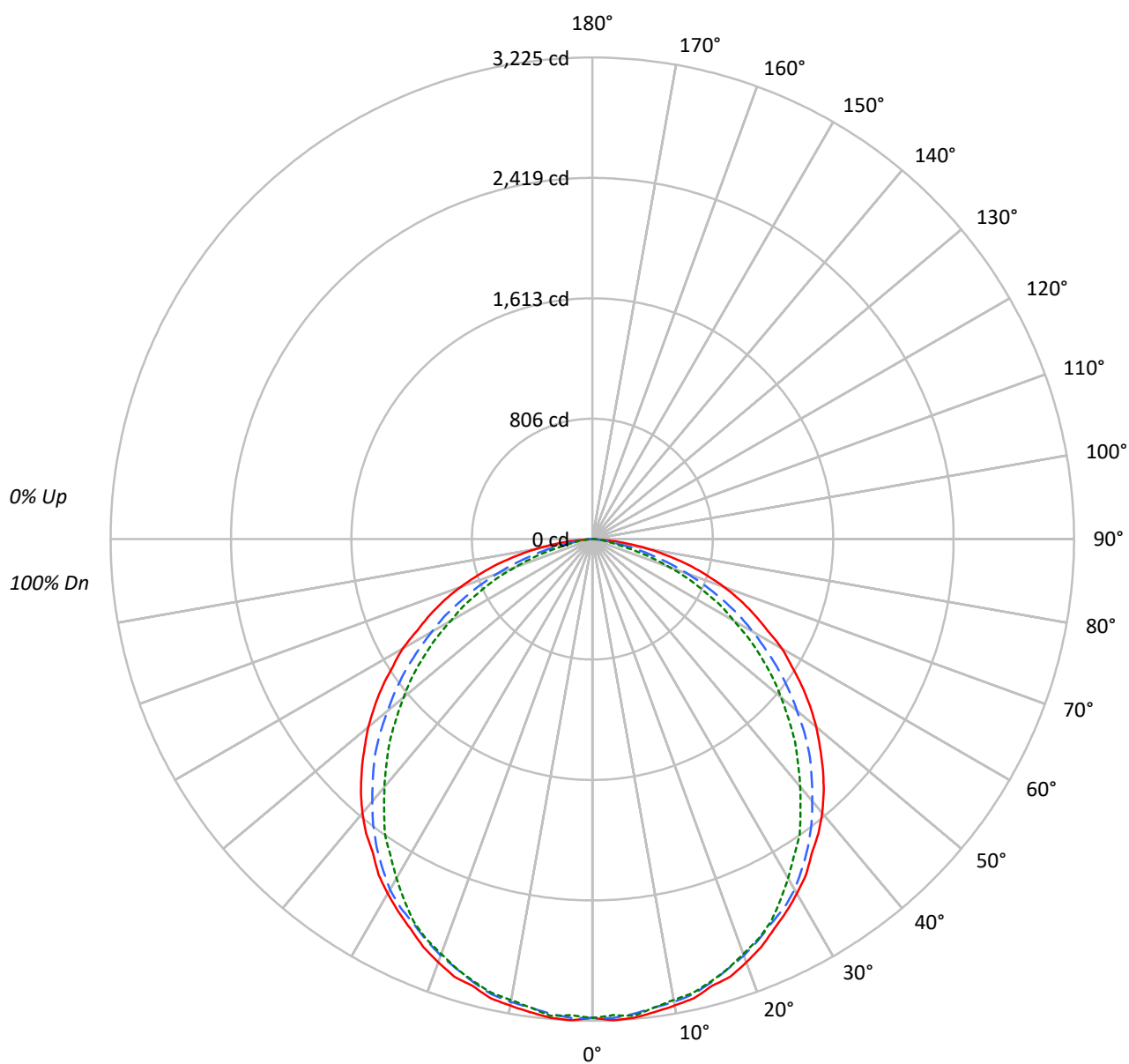
Lumens per Lamp: N/A
Luminaire Lumens: 8538.5 lumens
Efficiency: N/A
Efficacy: 100.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4313	4313	4313
5°	4345	4309	4327
10°	4333	4299	4280
15°	4314	4279	4271
20°	4316	4248	4232
25°	4274	4212	4198
30°	4257	4209	4073
35°	4208	4133	3973
40°	4205	4024	3803
45°	4152	3920	3651
50°	4096	3745	3453
55°	4017	3569	3243
60°	3946	3340	2944
65°	3811	3063	2632
70°	3688	2666	2148
75°	3464	2104	1479
80°	3003	1272	888
85°	2004	914	855

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4152 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.9	3.6
10°-20°	869.5	10.2
20°-30°	1313.4	15.4
30°-40°	1561.6	18.3
40°-50°	1583.7	18.5
50°-60°	1375.2	16.1
60°-70°	976.3	11.4
70°-80°	466.5	5.5
80°-90°	88.4	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°	2486.7	29.1
0°-40°	4048.3	47.4
0°-60°	7007.3	82.1
0°-90°	8538.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8538.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3206	3206	3206	3206	3206	
5°	3217	3206	3190	3198	3204	305
15°	3097	3104	3072	3068	3066	877
25°	2879	2875	2837	2848	2828	1330
35°	2562	2558	2516	2430	2419	1610
45°	2182	2163	2060	1951	1919	1683
55°	1713	1661	1522	1432	1382	1530
65°	1197	1107	962	859	827	1186
75°	666	544	405	321	284	699
85°	130	69	59	57	55	164
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3205.5	3205.5	3205.5	3205.5	3205.5
2.5°	3224.6	3213.2	3209.4	3222.7	3190.3
5°	3217.0	3205.5	3190.3	3197.9	3203.6
7.5°	3194.1	3184.5	3163.5	3180.7	3163.5
10°	3171.2	3161.6	3146.4	3152.1	3133.0
12.5°	3148.3	3125.4	3121.5	3125.4	3112.0
15°	3096.7	3104.4	3071.9	3068.1	3066.2
17.5°	3071.9	3052.8	3018.4	3020.4	3016.5
20°	3014.6	2991.7	2966.9	2963.1	2955.4
22.5°	2955.4	2928.7	2905.8	2917.3	2900.1
25°	2879.1	2875.3	2837.1	2848.5	2827.5
27.5°	2812.3	2798.9	2781.7	2756.9	2726.3
30°	2739.7	2726.3	2709.2	2644.2	2621.3
32.5°	2663.3	2648.1	2613.7	2537.3	2512.5
35°	2562.1	2558.3	2516.3	2430.4	2419.0
37.5°	2485.8	2443.8	2409.4	2321.6	2289.1
40°	2394.1	2371.2	2291.0	2207.0	2165.0
42.5°	2293.0	2266.2	2174.6	2084.8	2039.0
45°	2182.2	2163.1	2060.0	1951.2	1918.7
47.5°	2067.7	2050.5	1928.3	1823.3	1781.3
50°	1956.9	1935.9	1788.9	1687.7	1649.6
52.5°	1836.7	1802.3	1657.2	1557.9	1521.6
55°	1712.6	1661.0	1521.6	1431.9	1382.3
57.5°	1580.8	1533.1	1378.4	1284.9	1244.8
60°	1466.3	1399.4	1241.0	1145.5	1094.0
62.5°	1319.3	1262.0	1111.2	998.5	973.7
65°	1197.1	1107.3	962.2	859.1	826.7
67.5°	1073.0	968.0	821.0	716.0	698.8
70°	937.4	828.6	677.8	574.7	546.0
72.5°	800.0	693.0	546.0	437.2	420.0
75°	666.3	544.1	404.8	320.7	284.5
77.5°	521.2	410.5	284.5	196.6	173.7
80°	387.6	276.8	164.2	116.5	114.6
82.5°	253.9	160.4	87.8	89.7	85.9
85°	129.8	68.7	59.2	57.3	55.4
87.5°	24.8	26.7	28.6	28.6	28.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)