

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: P1050925

Luminaire Tested: 24PTR-100-PP3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050925
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-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

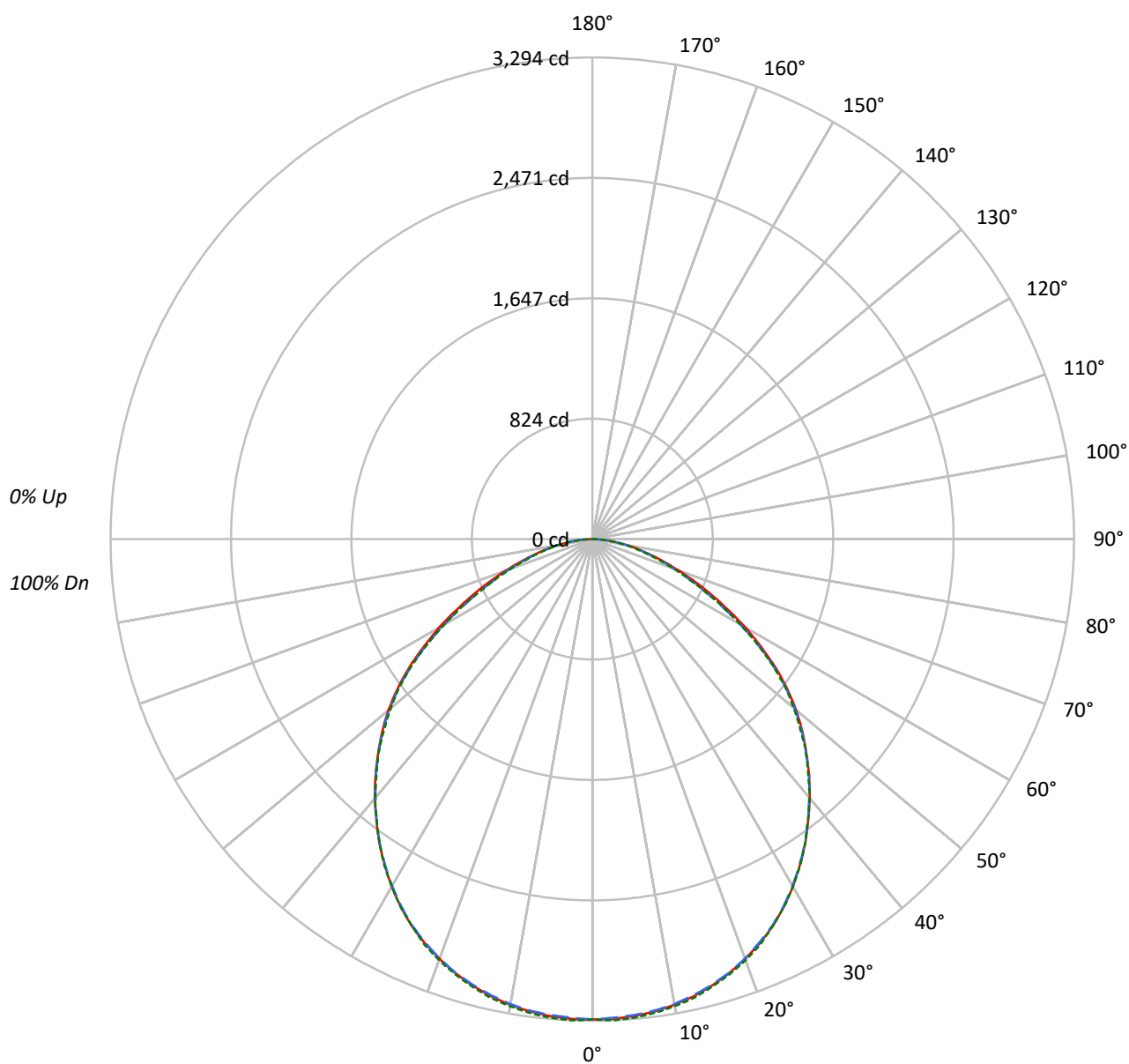
Lumens per Lamp: N/A
Luminaire Lumens: 8486.5 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	4419	4419	4419
5°	4423	4413	4437
10°	4417	4411	4432
15°	4403	4394	4414
20°	4374	4370	4388
25°	4335	4328	4333
30°	4262	4253	4262
35°	4169	4163	4167
40°	4062	4049	4060
45°	3940	3929	3934
50°	3809	3790	3763
55°	3585	3544	3532
60°	3254	3144	3150
65°	2858	2714	2710
70°	2471	2359	2331
75°	2137	2059	2013
80°	1893	1867	1782
85°	1565	1618	1525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3954 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.5	3.7
10°-20°	892.4	10.5
20°-30°	1343.5	15.8
30°-40°	1585.7	18.7
40°-50°	1594.7	18.8
50°-60°	1346.3	15.9
60°-70°	864.6	10.2
70°-80°	430.0	5.1
80°-90°	117.8	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°	2547.3	30.0
0°-40°	4133.0	48.7
0°-60°	7074.1	83.4
0°-90°	8486.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8486.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3285	3285	3285	3285	3285	
5°	3275	3276	3268	3283	3285	311
15°	3161	3162	3155	3169	3169	892
25°	2920	2921	2915	2921	2918	1343
35°	2538	2540	2535	2537	2537	1586
45°	2071	2078	2065	2067	2067	1598
55°	1528	1527	1511	1504	1506	1360
65°	898	885	853	844	851	895
75°	411	409	396	392	387	445
85°	101	105	105	99	99	119
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3284.6	3284.6	3284.6	3284.6	3284.6
2.5°	3283.3	3284.6	3275.9	3291.5	3294.1
5°	3275.0	3275.9	3267.7	3283.3	3285.4
7.5°	3258.1	3259.4	3252.1	3266.4	3269.0
10°	3233.0	3236.9	3228.3	3241.7	3243.9
12.5°	3202.3	3203.6	3194.9	3210.5	3213.1
15°	3160.7	3161.5	3154.6	3168.9	3168.9
17.5°	3112.6	3113.9	3109.1	3121.3	3120.0
20°	3054.5	3058.0	3051.9	3060.2	3064.9
22.5°	2991.3	2992.6	2985.2	2996.1	3000.8
25°	2919.8	2920.7	2915.0	2920.7	2918.5
27.5°	2836.2	2838.4	2830.1	2836.2	2837.5
30°	2743.1	2749.1	2737.4	2742.2	2743.1
32.5°	2643.0	2646.5	2638.2	2639.5	2645.6
35°	2538.2	2539.5	2534.7	2536.9	2536.9
37.5°	2425.1	2429.9	2422.5	2426.0	2421.2
40°	2312.9	2308.1	2305.5	2308.1	2311.6
42.5°	2194.6	2195.9	2192.5	2189.9	2184.2
45°	2070.7	2078.1	2064.7	2067.3	2067.3
47.5°	1949.4	1950.3	1943.4	1936.0	1931.2
50°	1819.5	1819.5	1810.8	1805.2	1797.8
52.5°	1677.4	1675.2	1665.7	1659.6	1663.1
55°	1528.4	1527.1	1510.6	1504.5	1505.8
57.5°	1365.0	1367.6	1342.5	1336.4	1336.4
60°	1209.1	1196.9	1168.4	1160.1	1170.5
62.5°	1045.3	1031.0	1000.3	1000.3	1008.5
65°	897.6	884.6	852.6	843.9	851.3
67.5°	759.4	747.3	717.8	713.1	715.2
70°	628.1	617.8	599.6	588.7	592.6
72.5°	515.1	505.6	493.4	485.2	480.4
75°	411.1	408.9	396.0	392.1	387.3
77.5°	325.3	324.5	313.6	308.9	304.1
80°	244.3	243.0	240.9	233.5	230.0
82.5°	174.1	174.1	172.8	166.8	163.3
85°	101.4	104.8	104.8	98.8	98.8
87.5°	40.7	42.9	40.7	40.7	39.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)