

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: P1050694

Luminaire Tested: 24PTR-100-PC3-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050694
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PC3-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

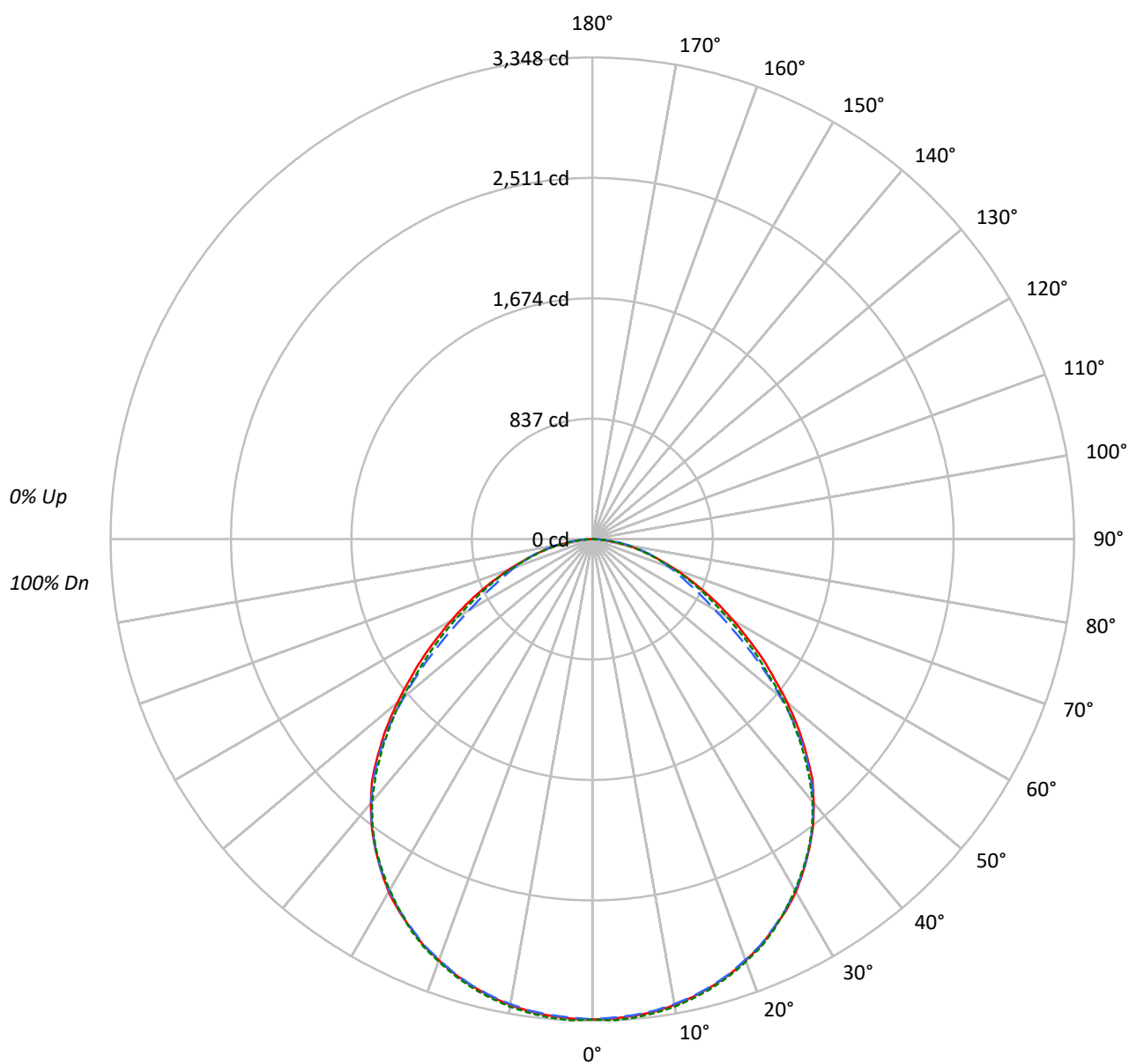
Lumens per Lamp: N/A
Luminaire Lumens: 8415.7 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4491	4491	4491
5°	4493	4484	4510
10°	4492	4484	4508
15°	4482	4477	4497
20°	4462	4455	4474
25°	4431	4424	4442
30°	4398	4383	4376
35°	4319	4314	4307
40°	4204	4198	4179
45°	3998	3969	3928
50°	3701	3577	3617
55°	3377	3104	3243
60°	3046	2648	2904
65°	2722	2369	2612
70°	2415	2241	2348
75°	2136	2171	2093
80°	1842	2074	1832
85°	1380	1641	1380

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4008 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	316.6	3.8
10°-20°	908.8	10.8
20°-30°	1375.9	16.3
30°-40°	1640.4	19.5
40°-50°	1602.8	19.0
50°-60°	1225.6	14.6
60°-70°	786.9	9.4
70°-80°	437.8	5.2
80°-90°	120.9	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°	2601.3	30.9
0°-40°	4241.7	50.4
0°-60°	7070.1	84.0
0°-90°	8415.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8415.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3338	3338	3338	3338	3338	
5°	3326	3328	3320	3336	3339	316
15°	3218	3220	3214	3225	3228	908
25°	2985	2988	2980	2990	2992	1377
35°	2629	2631	2627	2625	2622	1643
45°	2101	2106	2086	2081	2064	1617
55°	1440	1390	1323	1340	1382	1287
65°	855	789	744	769	820	853
75°	411	414	418	412	403	439
85°	89	105	106	103	89	110
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3338.1	3338.1	3338.1	3338.1	3338.1
2.5°	3335.9	3337.2	3328.5	3342.8	3347.6
5°	3326.4	3328.5	3320.3	3335.9	3339.4
7.5°	3312.0	3314.2	3306.0	3321.6	3322.9
10°	3288.2	3289.5	3282.1	3297.7	3299.9
12.5°	3256.1	3259.6	3251.3	3265.6	3266.5
15°	3217.5	3220.1	3214.0	3224.9	3228.3
17.5°	3172.4	3173.7	3167.6	3179.3	3180.6
20°	3116.0	3116.0	3111.2	3124.6	3124.6
22.5°	3058.7	3055.2	3053.9	3058.7	3066.1
25°	2985.0	2988.4	2980.2	2989.7	2991.9
27.5°	2913.4	2913.4	2906.0	2910.8	2904.7
30°	2831.0	2826.2	2821.4	2822.3	2816.7
32.5°	2731.6	2731.6	2729.5	2729.5	2722.1
35°	2629.3	2631.4	2626.6	2625.3	2621.9
37.5°	2519.1	2523.0	2514.3	2512.1	2509.5
40°	2393.7	2393.7	2390.2	2385.5	2379.4
42.5°	2263.6	2263.6	2248.4	2236.2	2228.0
45°	2101.3	2106.1	2085.7	2080.9	2064.4
47.5°	1939.9	1936.5	1909.1	1905.7	1896.1
50°	1768.2	1747.8	1708.7	1719.1	1727.8
52.5°	1596.4	1571.2	1514.0	1525.7	1540.0
55°	1439.8	1389.9	1323.1	1339.6	1382.5
57.5°	1276.2	1209.4	1142.6	1173.9	1227.2
60°	1131.8	1056.7	983.9	1017.3	1079.3
62.5°	993.4	913.6	855.0	887.1	939.6
65°	855.0	789.1	744.0	768.7	820.3
67.5°	728.3	684.1	653.3	665.0	706.7
70°	613.8	586.1	569.6	573.0	596.9
72.5°	504.9	498.0	491.9	491.9	494.1
75°	410.8	414.3	417.7	412.1	402.6
77.5°	323.6	335.3	344.0	331.9	320.1
80°	237.7	256.8	267.7	254.2	236.4
82.5°	162.2	183.9	187.4	179.2	158.8
85°	89.4	105.0	106.3	102.8	89.4
87.5°	33.4	39.5	42.9	39.5	34.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)