

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: P1050672

Luminaire Tested: 24PTR-100-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050672
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-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

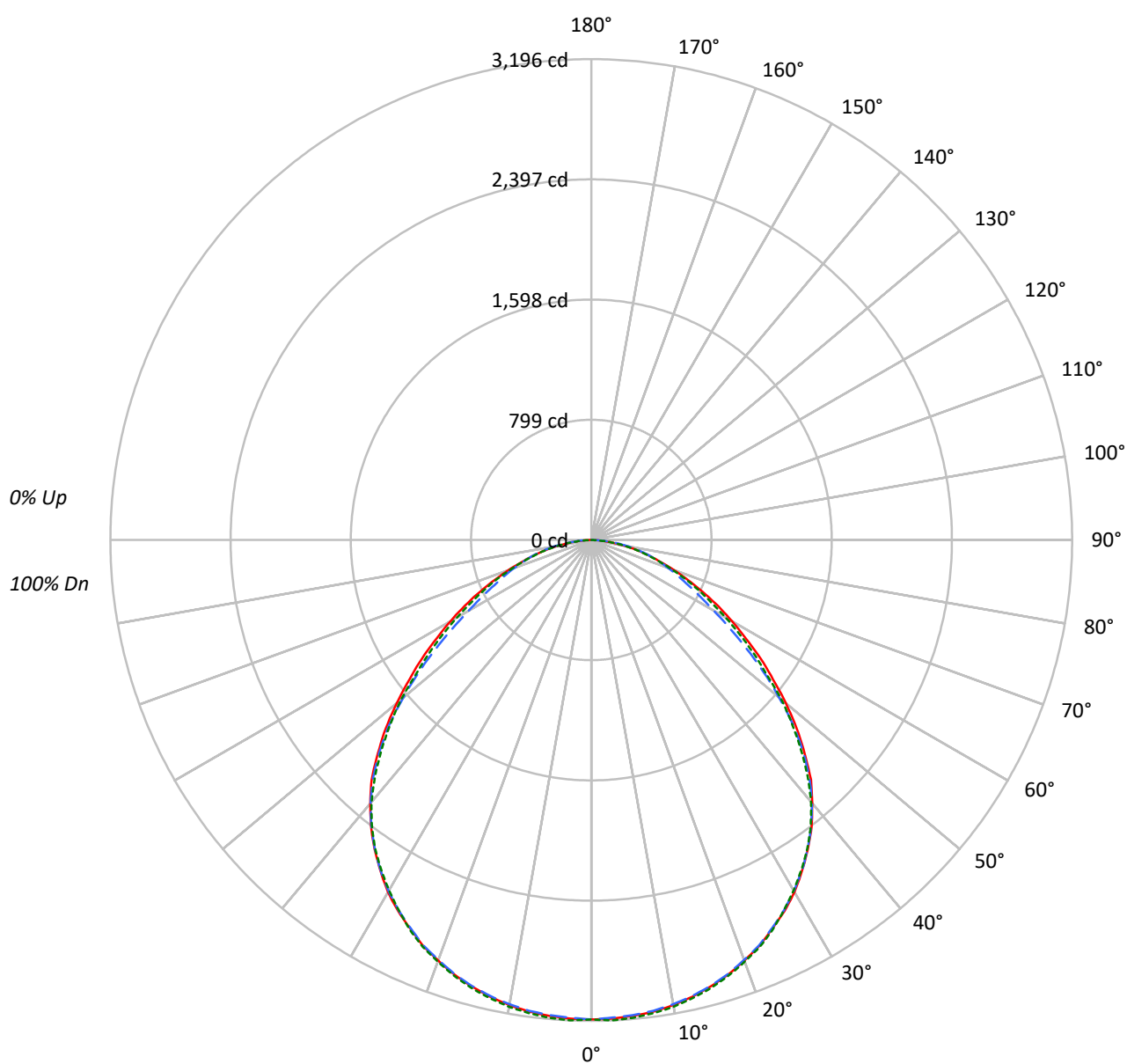
Lumens per Lamp: N/A
Luminaire Lumens: 8033.5 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1050672

CATALOG NUMBER: 24PTR-100-PC3-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050672

CATALOG NUMBER: 24PTR-100-PC3-L930-UNV-STD-W

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°	4287	4287	4287
5°	4289	4281	4305
10°	4289	4281	4304
15°	4278	4274	4293
20°	4259	4252	4271
25°	4230	4223	4240
30°	4199	4184	4177
35°	4123	4119	4111
40°	4013	4008	3989
45°	3817	3788	3750
50°	3533	3414	3453
55°	3224	2963	3096
60°	2907	2527	2773
65°	2599	2261	2493
70°	2305	2139	2242
75°	2039	2073	1998
80°	1758	1980	1749
85°	1317	1567	1317

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3825 cd/sqm

TEST NUMBER: P1050672

CATALOG NUMBER: 24PTR-100-PC3-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	3.8
10°-20°	867.5	10.8
20°-30°	1313.4	16.3
30°-40°	1565.9	19.5
40°-50°	1530.1	19.0
50°-60°	1170.0	14.6
60°-70°	751.1	9.4
70°-80°	417.9	5.2
80°-90°	115.4	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°	2483.2	30.9
0°-40°	4049.1	50.4
0°-60°	6749.1	84.0
0°-90°	8033.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8033.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3186	3186	3186	3186	3186	
5°	3175	3177	3170	3184	3188	302
15°	3071	3074	3068	3078	3082	867
25°	2849	2853	2845	2854	2856	1314
35°	2510	2512	2507	2506	2503	1568
45°	2006	2010	1991	1986	1971	1543
55°	1374	1327	1263	1279	1320	1229
65°	816	753	710	734	783	814
75°	392	396	399	393	384	419
85°	85	100	102	98	85	105
90°	0	0	0	0	0	

TEST NUMBER: P1050672

CATALOG NUMBER: 24PTR-100-PC3-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3186.5	3186.5	3186.5	3186.5	3186.5
2.5°	3184.4	3185.7	3177.4	3191.0	3195.6
5°	3175.3	3177.4	3169.5	3184.4	3187.7
7.5°	3161.6	3163.7	3155.8	3170.8	3172.0
10°	3138.9	3140.1	3133.1	3148.0	3150.0
12.5°	3108.2	3111.5	3103.7	3117.3	3118.2
15°	3071.4	3073.9	3068.1	3078.4	3081.7
17.5°	3028.3	3029.5	3023.7	3034.9	3036.2
20°	2974.5	2974.5	2969.9	2982.8	2982.8
22.5°	2919.8	2916.5	2915.3	2919.8	2926.8
25°	2849.4	2852.7	2844.9	2854.0	2856.0
27.5°	2781.1	2781.1	2774.0	2778.6	2772.8
30°	2702.4	2697.9	2693.3	2694.1	2688.7
32.5°	2607.6	2607.6	2605.5	2605.5	2598.5
35°	2509.9	2511.9	2507.4	2506.1	2502.8
37.5°	2404.7	2408.4	2400.1	2398.0	2395.6
40°	2285.0	2285.0	2281.7	2277.1	2271.3
42.5°	2160.8	2160.8	2146.3	2134.7	2126.8
45°	2005.9	2010.4	1991.0	1986.4	1970.7
47.5°	1851.8	1848.5	1822.4	1819.1	1810.0
50°	1687.9	1668.4	1631.1	1641.1	1649.4
52.5°	1523.9	1499.9	1445.2	1456.4	1470.0
55°	1374.4	1326.8	1263.0	1278.7	1319.7
57.5°	1218.3	1154.5	1090.7	1120.6	1171.5
60°	1080.4	1008.7	939.2	971.1	1030.3
62.5°	948.3	872.1	816.2	846.8	896.9
65°	816.2	753.2	710.2	733.8	783.1
67.5°	695.3	653.0	623.6	634.8	674.6
70°	585.9	559.4	543.7	547.0	569.8
72.5°	482.0	475.4	469.6	469.6	471.7
75°	392.2	395.5	398.8	393.4	384.3
77.5°	308.9	320.1	328.4	316.8	305.6
80°	226.9	245.1	255.5	242.7	225.7
82.5°	154.9	175.6	178.9	171.0	151.6
85°	85.3	100.2	101.5	98.1	85.3
87.5°	31.9	37.7	41.0	37.7	33.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)