

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: P1050671

Luminaire Tested: 24PTR-80-PC3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050671
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-80-PC3-L930-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

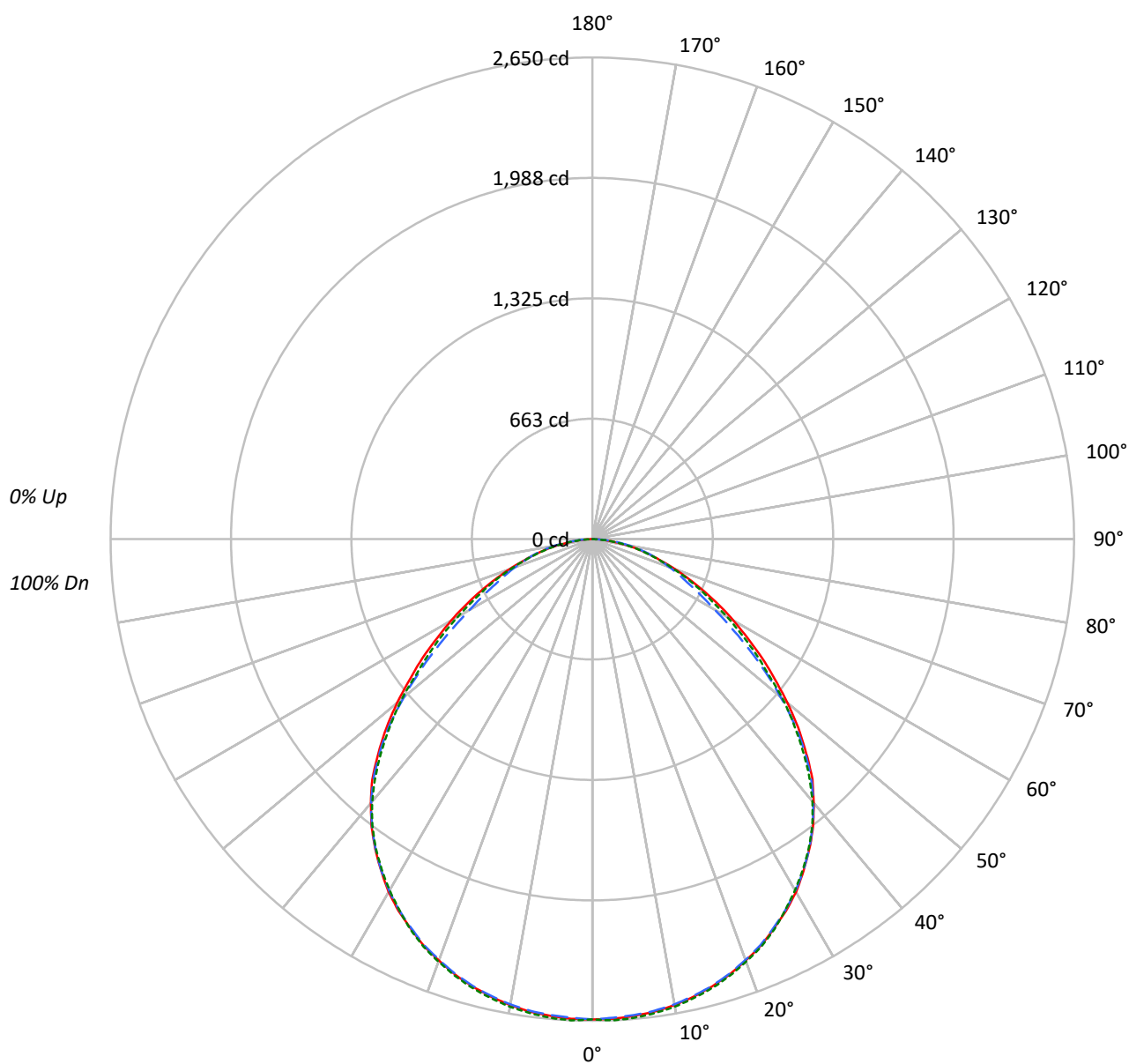
Lumens per Lamp: N/A
Luminaire Lumens: 6662.9 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 68
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: P1050671

CATALOG NUMBER: 24PTR-80-PC3-L930-UNV-STD-W

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°	3556	3556	3556
5°	3557	3551	3571
10°	3557	3550	3569
15°	3548	3545	3560
20°	3532	3527	3542
25°	3509	3503	3517
30°	3482	3471	3465
35°	3419	3416	3410
40°	3329	3324	3309
45°	3166	3142	3110
50°	2930	2832	2864
55°	2674	2457	2568
60°	2411	2096	2299
65°	2155	1875	2068
70°	1912	1774	1859
75°	1691	1719	1657
80°	1458	1642	1450
85°	1093	1298	1093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3173 cd/sqm

TEST NUMBER: P1050671

CATALOG NUMBER: 24PTR-80-PC3-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	3.8
10°-20°	719.5	10.8
20°-30°	1089.3	16.3
30°-40°	1298.7	19.5
40°-50°	1269.0	19.0
50°-60°	970.3	14.6
60°-70°	623.0	9.4
70°-80°	346.6	5.2
80°-90°	95.7	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°	2059.5	30.9
0°-40°	3358.2	50.4
0°-60°	5597.6	84.0
0°-90°	6662.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6662.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2643	2643	2643	2643	2643	
5°	2634	2635	2629	2641	2644	250
15°	2547	2549	2545	2553	2556	719
25°	2363	2366	2360	2367	2369	1090
35°	2082	2083	2080	2079	2076	1300
45°	1664	1667	1651	1648	1634	1280
55°	1140	1100	1048	1061	1095	1019
65°	677	625	589	609	650	675
75°	325	328	331	326	319	348
85°	71	83	84	81	71	87
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-80-PC3-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2642.8	2642.8	2642.8	2642.8	2642.8
2.5°	2641.1	2642.2	2635.3	2646.6	2650.4
5°	2633.6	2635.3	2628.8	2641.1	2643.9
7.5°	2622.2	2623.9	2617.4	2629.8	2630.8
10°	2603.3	2604.4	2598.5	2610.9	2612.6
12.5°	2577.9	2580.7	2574.1	2585.5	2586.2
15°	2547.4	2549.4	2544.6	2553.2	2555.9
17.5°	2511.6	2512.7	2507.9	2517.1	2518.2
20°	2467.0	2467.0	2463.2	2473.9	2473.9
22.5°	2421.7	2418.9	2417.9	2421.7	2427.5
25°	2363.3	2366.0	2359.5	2367.0	2368.8
27.5°	2306.6	2306.6	2300.8	2304.5	2299.7
30°	2241.3	2237.6	2233.8	2234.5	2230.0
32.5°	2162.7	2162.7	2161.0	2161.0	2155.1
35°	2081.6	2083.4	2079.6	2078.6	2075.8
37.5°	1994.4	1997.5	1990.6	1988.9	1986.9
40°	1895.1	1895.1	1892.4	1888.6	1883.8
42.5°	1792.1	1792.1	1780.1	1770.5	1764.0
45°	1663.7	1667.4	1651.3	1647.5	1634.5
47.5°	1535.9	1533.2	1511.5	1508.8	1501.2
50°	1399.9	1383.8	1352.8	1361.1	1368.0
52.5°	1263.9	1244.0	1198.6	1207.9	1219.2
55°	1139.9	1100.4	1047.5	1060.6	1094.6
57.5°	1010.4	957.5	904.6	929.4	971.6
60°	896.1	836.6	778.9	805.4	854.5
62.5°	786.5	723.3	676.9	702.4	743.9
65°	676.9	624.7	589.0	608.6	649.5
67.5°	576.7	541.6	517.2	526.5	559.5
70°	486.0	464.0	450.9	453.7	472.6
72.5°	399.8	394.3	389.5	389.5	391.2
75°	325.2	328.0	330.7	326.3	318.7
77.5°	256.2	265.5	272.4	262.7	253.5
80°	188.2	203.3	211.9	201.3	187.2
82.5°	128.4	145.6	148.4	141.8	125.7
85°	70.8	83.1	84.1	81.4	70.8
87.5°	26.4	31.3	34.0	31.3	27.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)