

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: P1050981

Luminaire Tested: 24PTR-90-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PR1-L930-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

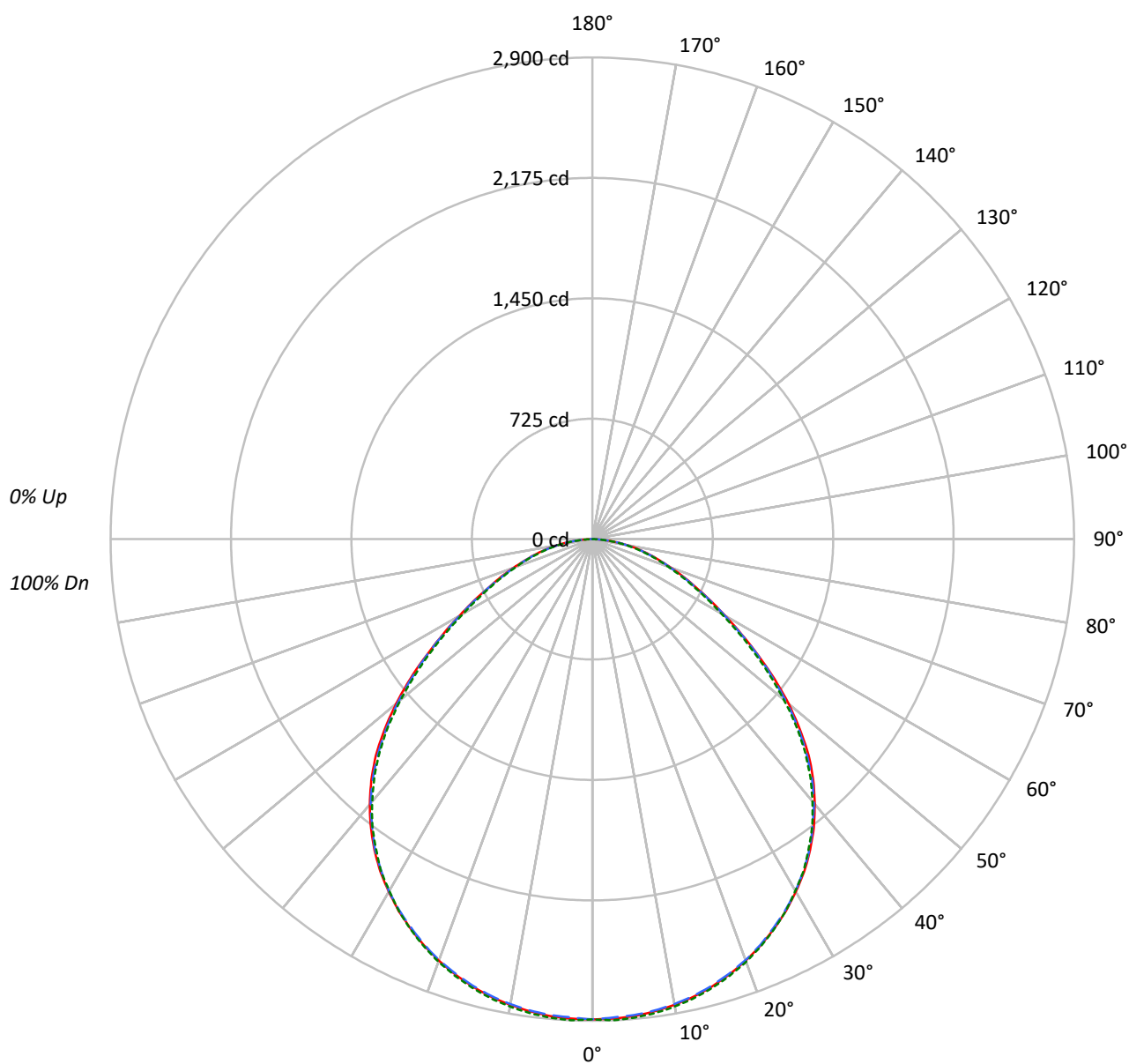
Lumens per Lamp: N/A
Luminaire Lumens: 7311.9 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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: P1050981

CATALOG NUMBER: 24PTR-90-PR1-L930-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050981

CATALOG NUMBER: 24PTR-90-PR1-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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3890	3890	3890
5°	3894	3885	3906
10°	3890	3884	3905
15°	3883	3877	3896
20°	3867	3862	3877
25°	3842	3832	3846
30°	3807	3803	3798
35°	3755	3746	3731
40°	3660	3646	3620
45°	3508	3468	3443
50°	3227	3191	3152
55°	2856	2844	2788
60°	2482	2473	2406
65°	2188	2174	2131
70°	1985	1957	1917
75°	1838	1795	1762
80°	1678	1654	1598
85°	1325	1314	1261

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3508 cd/sqm

TEST NUMBER: P1050981

CATALOG NUMBER: 24PTR-90-PR1-L930-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.2	3.8
10°-20°	787.2	10.8
20°-30°	1192.5	16.3
30°-40°	1423.6	19.5
40°-50°	1400.0	19.1
50°-60°	1082.1	14.8
60°-70°	682.3	9.3
70°-80°	369.1	5.0
80°-90°	100.8	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°	2253.9	30.8
0°-40°	3677.6	50.3
0°-60°	6159.7	84.2
0°-90°	7311.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7311.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2883	2884	2876	2889	2892	274
15°	2788	2788	2784	2793	2797	787
25°	2588	2590	2581	2590	2591	1193
35°	2286	2287	2281	2278	2272	1427
45°	1843	1836	1823	1808	1810	1412
55°	1218	1228	1212	1193	1189	1093
65°	687	688	683	671	669	691
75°	354	349	345	347	339	376
85°	86	87	85	86	82	102
90°	0	0	0	0	0	

TEST NUMBER: P1050981

CATALOG NUMBER: 24PTR-90-PR1-L930-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.2	2891.2	2891.2	2891.2	2891.2
2.5°	2890.1	2891.2	2882.9	2896.5	2899.5
5°	2882.9	2884.1	2876.5	2889.0	2892.3
7.5°	2868.3	2870.5	2863.4	2875.8	2878.8
10°	2847.5	2849.8	2842.6	2855.1	2858.1
12.5°	2821.9	2822.7	2816.7	2828.0	2831.0
15°	2787.7	2788.4	2783.5	2792.6	2796.7
17.5°	2748.1	2749.3	2742.1	2753.4	2755.3
20°	2700.7	2701.5	2697.3	2706.7	2707.9
22.5°	2647.6	2649.9	2643.5	2651.8	2652.9
25°	2587.8	2589.6	2581.4	2589.6	2590.8
27.5°	2524.5	2525.3	2518.1	2524.5	2523.4
30°	2450.7	2457.1	2447.7	2445.4	2444.7
32.5°	2374.3	2375.0	2366.0	2363.7	2367.9
35°	2286.2	2286.9	2280.9	2277.9	2271.5
37.5°	2189.8	2189.8	2178.1	2176.2	2175.1
40°	2084.0	2082.9	2075.7	2068.5	2061.0
42.5°	1968.8	1971.0	1956.3	1943.9	1942.0
45°	1843.4	1836.2	1822.7	1808.4	1809.5
47.5°	1695.4	1697.3	1678.9	1667.2	1664.2
50°	1541.8	1541.8	1524.5	1512.1	1505.7
52.5°	1381.4	1382.5	1366.0	1349.4	1346.0
55°	1217.6	1227.8	1212.4	1192.8	1188.6
57.5°	1064.4	1072.7	1058.0	1037.3	1036.2
60°	922.4	923.2	919.1	899.5	894.2
62.5°	801.2	795.9	793.7	783.5	777.1
65°	687.1	688.3	683.0	671.3	669.4
67.5°	594.9	593.8	584.3	577.2	573.0
70°	504.5	501.5	497.4	491.3	487.2
72.5°	424.0	424.0	420.6	418.7	411.5
75°	353.5	349.4	345.3	347.1	338.9
77.5°	286.1	282.0	278.6	274.5	272.6
80°	216.5	212.4	213.5	207.1	206.3
82.5°	150.2	150.2	148.3	143.1	144.2
85°	85.8	87.0	85.1	85.8	81.7
87.5°	31.3	32.0	34.3	32.0	32.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)