

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: P1051003

Luminaire Tested: 24PTR-90-PR1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051003
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-L940-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

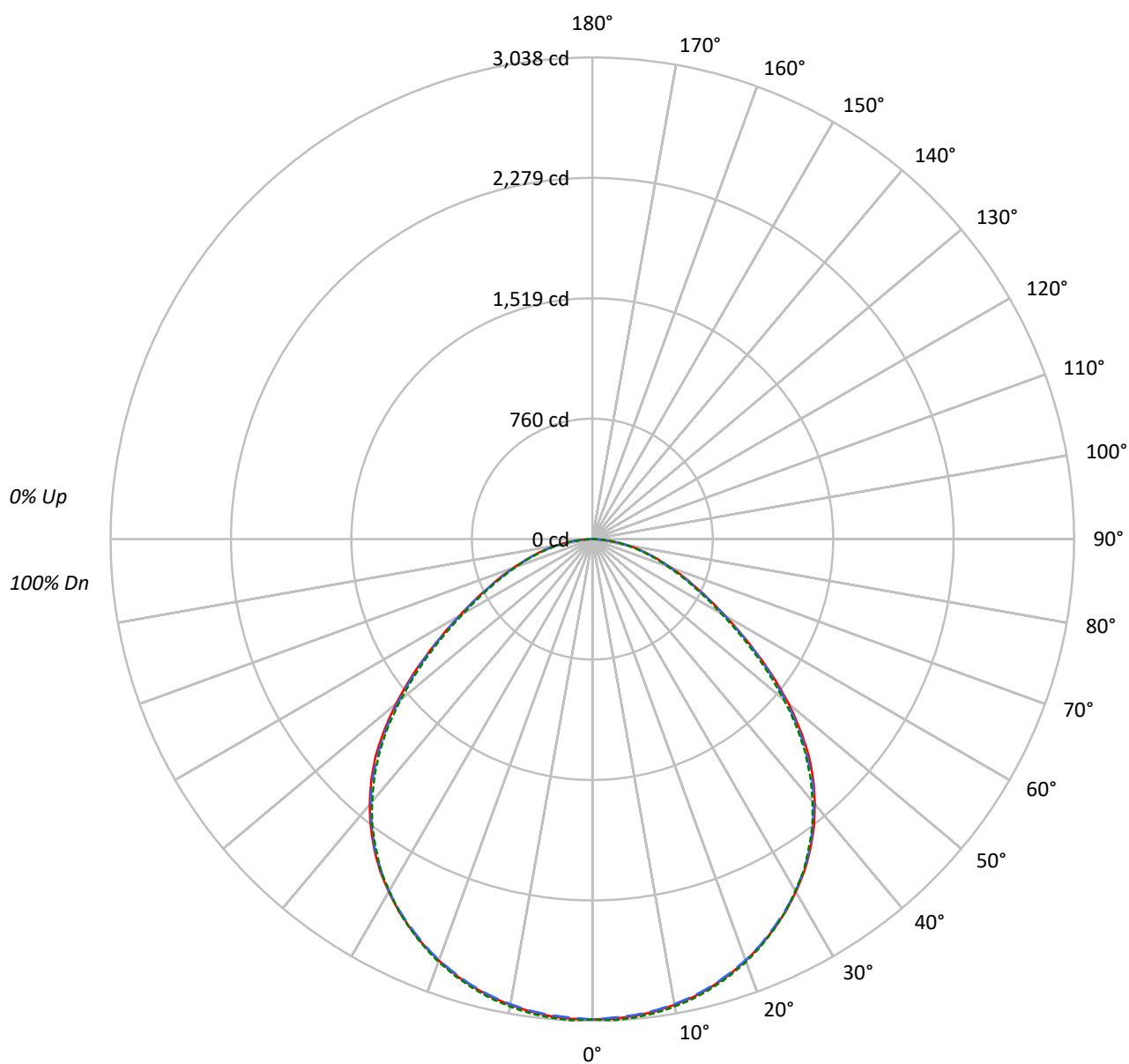
Lumens per Lamp: N/A
Luminaire Lumens: 7660.1 lumens
Efficiency: N/A
Efficacy: 100.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1051003

CATALOG NUMBER: 24PTR-90-PR1-L940-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	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°	4075	4075	4075
5°	4079	4070	4093
10°	4076	4069	4091
15°	4068	4062	4081
20°	4051	4046	4062
25°	4025	4015	4029
30°	3989	3984	3979
35°	3934	3925	3909
40°	3835	3819	3792
45°	3675	3633	3607
50°	3381	3343	3302
55°	2992	2979	2921
60°	2601	2591	2521
65°	2292	2278	2233
70°	2079	2050	2008
75°	1926	1880	1845
80°	1757	1733	1675
85°	1388	1376	1321

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3675 cd/sqm

TEST NUMBER: P1051003

CATALOG NUMBER: 24PTR-90-PR1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	287.3	3.8
10°-20°	824.7	10.8
20°-30°	1249.3	16.3
30°-40°	1491.4	19.5
40°-50°	1466.7	19.1
50°-60°	1133.6	14.8
60°-70°	714.8	9.3
70°-80°	386.6	5.0
80°-90°	105.6	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°	2361.3	30.8
0°-40°	3852.7	50.3
0°-60°	6453.0	84.2
0°-90°	7660.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7660.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3029	3029	3029	3029	3029	
5°	3020	3021	3014	3026	3030	287
15°	2920	2921	2916	2926	2930	824
25°	2711	2713	2704	2713	2714	1249
35°	2395	2396	2390	2386	2380	1495
45°	1931	1924	1910	1894	1896	1479
55°	1276	1286	1270	1250	1245	1145
65°	720	721	716	703	701	724
75°	370	366	362	364	355	393
85°	90	91	89	90	86	107
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-90-PR1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3028.9	3028.9	3028.9	3028.9	3028.9
2.5°	3027.7	3028.9	3020.2	3034.4	3037.6
5°	3020.2	3021.4	3013.5	3026.5	3030.1
7.5°	3004.9	3007.2	2999.7	3012.7	3015.9
10°	2983.2	2985.5	2978.0	2991.0	2994.2
12.5°	2956.3	2957.1	2950.8	2962.6	2965.8
15°	2920.4	2921.2	2916.1	2925.6	2929.9
17.5°	2879.0	2880.2	2872.7	2884.5	2886.5
20°	2829.3	2830.1	2825.8	2835.6	2836.8
22.5°	2773.7	2776.1	2769.4	2778.0	2779.2
25°	2711.0	2713.0	2704.3	2713.0	2714.2
27.5°	2644.7	2645.5	2638.0	2644.7	2643.5
30°	2567.4	2574.1	2564.3	2561.9	2561.1
32.5°	2487.3	2488.1	2478.7	2476.3	2480.6
35°	2395.0	2395.8	2389.5	2386.4	2379.7
37.5°	2294.1	2294.1	2281.8	2279.9	2278.7
40°	2183.2	2182.0	2174.6	2167.1	2159.2
42.5°	2062.5	2064.9	2049.5	2036.5	2034.5
45°	1931.2	1923.7	1909.5	1894.5	1895.7
47.5°	1776.2	1778.1	1758.8	1746.6	1743.4
50°	1615.2	1615.2	1597.1	1584.1	1577.4
52.5°	1447.2	1448.4	1431.0	1413.7	1410.1
55°	1275.6	1286.3	1270.1	1249.6	1245.3
57.5°	1115.1	1123.8	1108.4	1086.7	1085.5
60°	966.4	967.2	962.8	942.3	936.8
62.5°	839.4	833.8	831.5	820.8	814.1
65°	719.9	721.0	715.5	703.3	701.3
67.5°	623.2	622.0	612.2	604.7	600.3
70°	528.6	525.4	521.1	514.7	510.4
72.5°	444.1	444.1	440.6	438.6	431.1
75°	370.4	366.0	361.7	363.7	355.0
77.5°	299.8	295.4	291.9	287.5	285.6
80°	226.8	222.5	223.6	216.9	216.2
82.5°	157.4	157.4	155.4	149.9	151.1
85°	89.9	91.1	89.1	89.9	85.6
87.5°	32.7	33.5	35.9	33.5	33.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)