

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: P1050772

Luminaire Tested: 24PTR-90-PL1-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PL1-L940-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

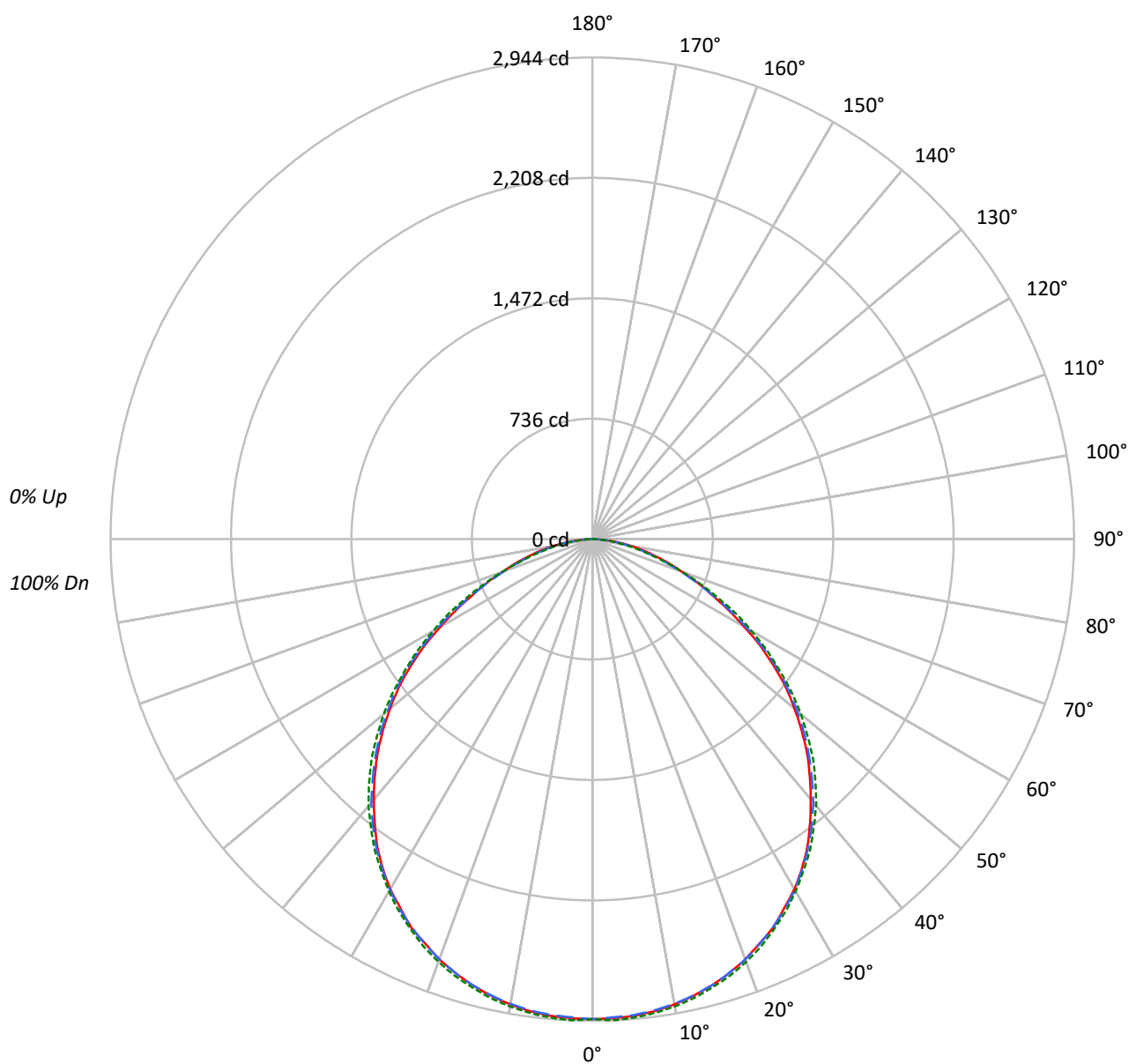
Lumens per Lamp: N/A
Luminaire Lumens: 7732.8 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050772

CATALOG NUMBER: 24PTR-90-PL1-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050772

CATALOG NUMBER: 24PTR-90-PL1-L940-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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3947	3947	3947
5°	3950	3943	3965
10°	3945	3941	3963
15°	3933	3932	3952
20°	3914	3914	3936
25°	3887	3882	3903
30°	3838	3844	3862
35°	3765	3779	3810
40°	3648	3690	3737
45°	3534	3564	3632
50°	3379	3415	3483
55°	3182	3233	3271
60°	2887	2948	3021
65°	2564	2592	2696
70°	2292	2245	2301
75°	2067	1948	1909
80°	1879	1744	1548
85°	1592	1445	1244

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3632 cd/sqm

TEST NUMBER: P1050772

CATALOG NUMBER: 24PTR-90-PL1-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.3	3.6
10°-20°	798.1	10.3
20°-30°	1207.2	15.6
30°-40°	1439.0	18.6
40°-50°	1447.0	18.7
50°-60°	1228.1	15.9
60°-70°	817.7	10.6
70°-80°	408.3	5.3
80°-90°	109.2	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°	2283.6	29.5
0°-40°	3722.6	48.1
0°-60°	6397.7	82.7
0°-90°	7732.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7732.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2934	2934	2934	2934	2934	
5°	2925	2926	2919	2932	2936	278
15°	2824	2827	2823	2834	2837	797
25°	2618	2618	2615	2627	2629	1204
35°	2292	2295	2301	2317	2320	1430
45°	1857	1861	1873	1898	1909	1429
55°	1357	1366	1378	1391	1394	1209
65°	805	812	814	826	847	807
75°	398	392	375	366	367	427
85°	103	101	94	88	81	119
90°	0	0	0	0	0	

TEST NUMBER: P1050772

CATALOG NUMBER: 24PTR-90-PL1-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2933.6	2933.6	2933.6	2933.6	2933.6
2.5°	2931.2	2933.6	2925.7	2939.9	2943.5
5°	2924.9	2925.7	2919.4	2932.4	2935.6
7.5°	2910.7	2911.9	2905.2	2919.4	2921.4
10°	2887.8	2890.2	2884.6	2897.7	2900.8
12.5°	2858.6	2861.7	2856.2	2870.4	2872.8
15°	2823.8	2827.0	2822.6	2834.5	2836.8
17.5°	2781.2	2783.5	2781.2	2792.2	2798.5
20°	2733.4	2733.4	2733.4	2743.2	2748.8
22.5°	2673.7	2679.3	2676.9	2689.9	2695.5
25°	2618.4	2618.4	2614.9	2627.1	2629.1
27.5°	2541.0	2549.7	2548.9	2559.6	2562.0
30°	2470.3	2472.7	2473.9	2481.4	2485.7
32.5°	2384.6	2386.6	2390.2	2400.8	2402.0
35°	2292.2	2294.6	2300.9	2317.1	2319.5
37.5°	2184.8	2196.6	2202.2	2219.6	2221.5
40°	2077.0	2084.5	2101.1	2119.2	2127.9
42.5°	1967.2	1975.9	1985.7	2010.6	2018.5
45°	1857.4	1860.6	1872.8	1897.7	1908.7
47.5°	1735.8	1745.6	1756.3	1778.0	1784.7
50°	1614.1	1624.8	1631.5	1650.8	1663.9
52.5°	1491.3	1501.2	1508.7	1520.5	1533.5
55°	1356.6	1366.1	1378.3	1391.4	1394.5
57.5°	1219.6	1230.2	1238.1	1252.0	1266.2
60°	1072.7	1084.9	1095.6	1108.6	1122.8
62.5°	936.0	941.1	952.2	973.9	994.5
65°	805.3	812.0	814.0	826.2	846.7
67.5°	696.7	696.7	686.8	691.1	714.0
70°	582.5	578.2	570.7	566.3	584.9
72.5°	490.1	484.6	468.4	460.9	470.8
75°	397.7	392.2	374.8	366.1	367.3
77.5°	319.5	310.8	296.6	281.6	278.4
80°	242.5	238.9	225.1	210.9	199.8
82.5°	171.8	164.3	156.4	147.7	139.0
85°	103.1	101.1	93.6	88.1	80.6
87.5°	42.3	42.3	40.3	37.9	35.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)