

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: P1050990

Luminaire Tested: 24PTR-80-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050990
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-80-PR1-L935-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

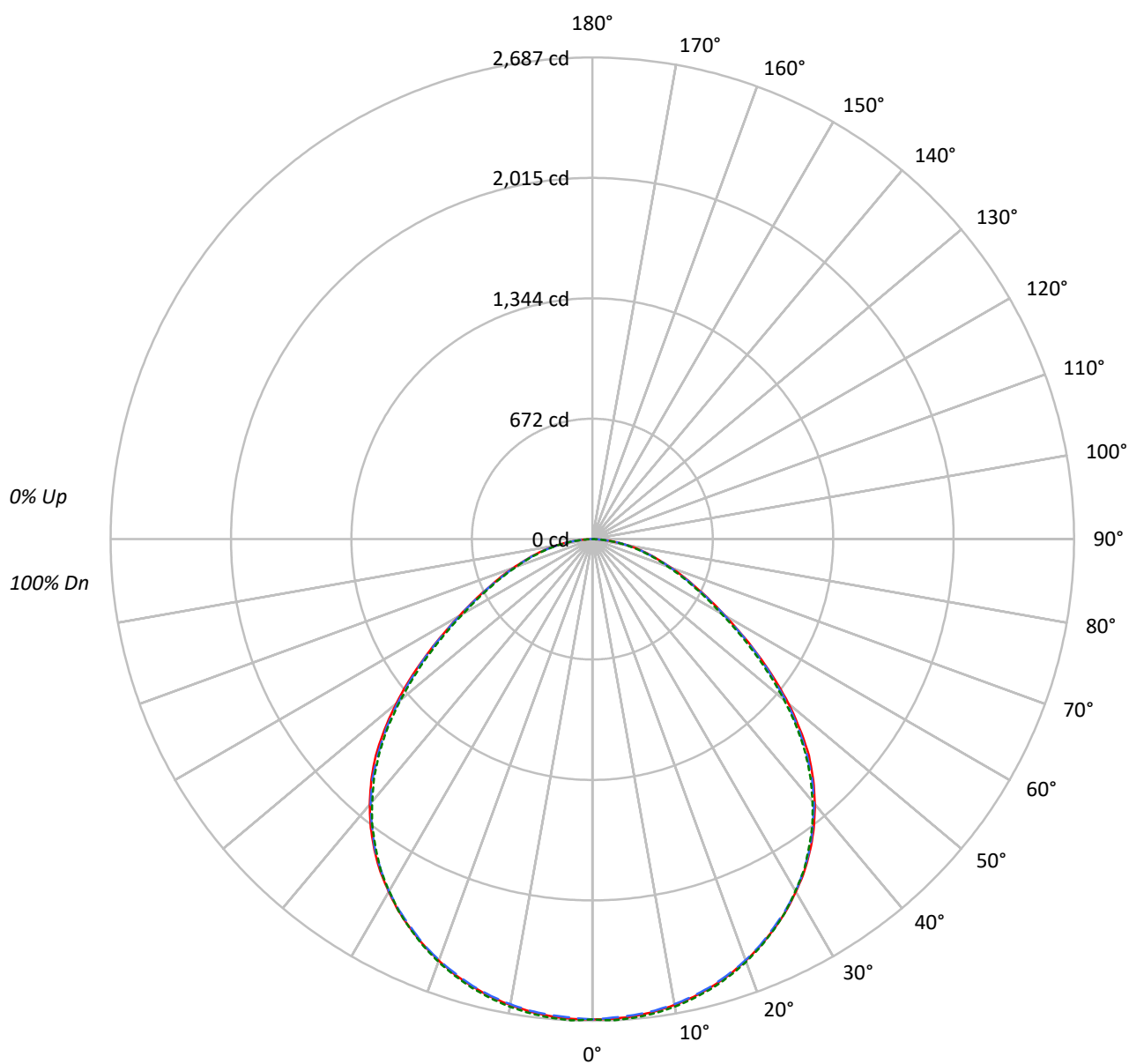
Lumens per Lamp: N/A
Luminaire Lumens: 6776.4 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050990

CATALOG NUMBER: 24PTR-80-PR1-L935-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1050990

CATALOG NUMBER: 24PTR-80-PR1-L935-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°	3605	3605	3605
5°	3609	3601	3620
10°	3606	3599	3619
15°	3599	3593	3610
20°	3584	3579	3593
25°	3560	3552	3564
30°	3529	3524	3520
35°	3480	3472	3458
40°	3392	3379	3355
45°	3251	3214	3191
50°	2991	2957	2921
55°	2647	2636	2584
60°	2301	2292	2230
65°	2027	2015	1975
70°	1840	1813	1776
75°	1704	1664	1632
80°	1554	1533	1481
85°	1229	1218	1169

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3251 cd/sqm

TEST NUMBER: P1050990

CATALOG NUMBER: 24PTR-80-PR1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.2	3.8
10°-20°	729.5	10.8
20°-30°	1105.2	16.3
30°-40°	1319.4	19.5
40°-50°	1297.5	19.1
50°-60°	1002.8	14.8
60°-70°	632.4	9.3
70°-80°	342.0	5.0
80°-90°	93.4	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°	2088.9	30.8
0°-40°	3408.3	50.3
0°-60°	5708.6	84.2
0°-90°	6776.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6776.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2680	2680	2680	2680	2680	
5°	2672	2673	2666	2677	2680	254
15°	2584	2584	2580	2588	2592	729
25°	2398	2400	2392	2400	2401	1105
35°	2119	2120	2114	2111	2105	1323
45°	1708	1702	1689	1676	1677	1308
55°	1128	1138	1124	1105	1102	1013
65°	637	638	633	622	620	641
75°	328	324	320	322	314	348
85°	80	81	79	80	76	95
90°	0	0	0	0	0	

TEST NUMBER: P1050990

CATALOG NUMBER: 24PTR-80-PR1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2679.5	2679.5	2679.5	2679.5	2679.5
2.5°	2678.5	2679.5	2671.8	2684.4	2687.2
5°	2671.8	2672.9	2665.9	2677.4	2680.5
7.5°	2658.2	2660.3	2653.7	2665.2	2668.0
10°	2639.0	2641.1	2634.5	2646.0	2648.8
12.5°	2615.3	2616.0	2610.4	2620.9	2623.7
15°	2583.5	2584.2	2579.7	2588.1	2591.9
17.5°	2546.9	2547.9	2541.3	2551.8	2553.5
20°	2502.9	2503.6	2499.8	2508.5	2509.6
22.5°	2453.7	2455.8	2449.9	2457.6	2458.6
25°	2398.3	2400.0	2392.3	2400.0	2401.0
27.5°	2339.6	2340.3	2333.7	2339.6	2338.6
30°	2271.2	2277.2	2268.4	2266.4	2265.7
32.5°	2200.4	2201.1	2192.7	2190.6	2194.5
35°	2118.8	2119.5	2113.9	2111.1	2105.1
37.5°	2029.4	2029.4	2018.6	2016.9	2015.8
40°	1931.4	1930.3	1923.7	1917.1	1910.1
42.5°	1824.6	1826.7	1813.1	1801.6	1799.8
45°	1708.4	1701.8	1689.2	1676.0	1677.0
47.5°	1571.3	1573.0	1555.9	1545.1	1542.3
50°	1428.9	1428.9	1412.9	1401.3	1395.4
52.5°	1280.3	1281.3	1265.9	1250.6	1247.5
55°	1128.5	1137.9	1123.6	1105.4	1101.6
57.5°	986.4	994.1	980.5	961.3	960.3
60°	854.9	855.6	851.8	833.6	828.7
62.5°	742.5	737.7	735.6	726.1	720.2
65°	636.8	637.9	633.0	622.2	620.4
67.5°	551.3	550.3	541.6	534.9	531.1
70°	467.6	464.8	460.9	455.4	451.5
72.5°	392.9	392.9	389.8	388.0	381.4
75°	327.7	323.8	320.0	321.7	314.0
77.5°	265.2	261.4	258.2	254.4	252.6
80°	200.6	196.8	197.8	191.9	191.2
82.5°	139.2	139.2	137.5	132.6	133.6
85°	79.6	80.6	78.9	79.6	75.7
87.5°	29.0	29.7	31.8	29.7	29.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)