

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: P1050759

Luminaire Tested: 24PTR-80-PL1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050759
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-80-PL1-L935-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

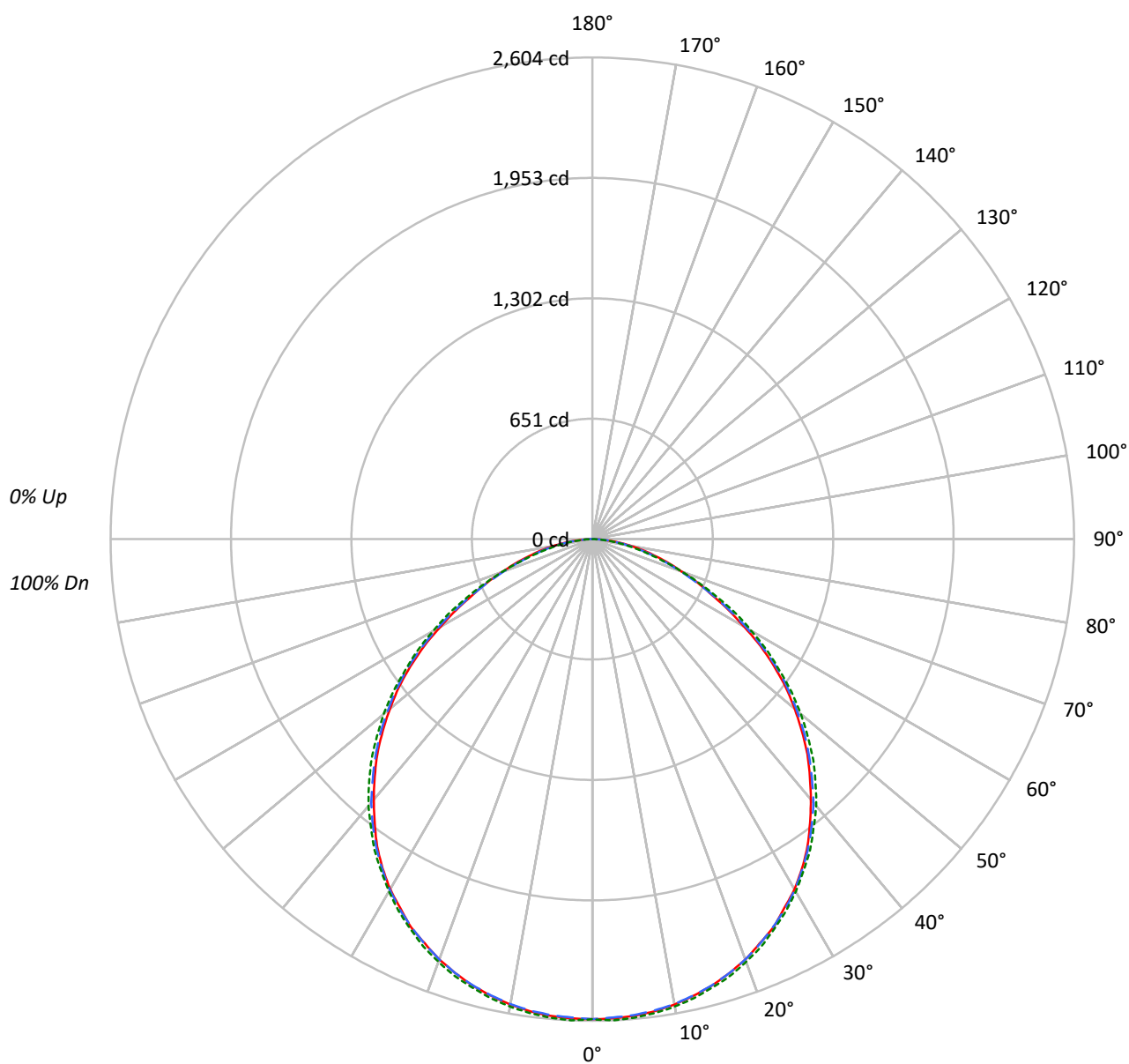
Lumens per Lamp: N/A
Luminaire Lumens: 6841.4 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1050759

CATALOG NUMBER: 24PTR-80-PL1-L935-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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3492	3492	3492
5°	3495	3488	3508
10°	3491	3487	3506
15°	3480	3478	3496
20°	3463	3463	3482
25°	3439	3434	3453
30°	3396	3400	3417
35°	3331	3344	3371
40°	3227	3265	3307
45°	3127	3153	3213
50°	2989	3021	3081
55°	2815	2860	2894
60°	2554	2608	2673
65°	2268	2293	2385
70°	2028	1986	2036
75°	1829	1724	1690
80°	1662	1543	1370
85°	1408	1278	1101

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3213 cd/sqm

TEST NUMBER: P1050759

CATALOG NUMBER: 24PTR-80-PL1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.2	3.6
10°-20°	706.1	10.3
20°-30°	1068.1	15.6
30°-40°	1273.1	18.6
40°-50°	1280.2	18.7
50°-60°	1086.5	15.9
60°-70°	723.4	10.6
70°-80°	361.2	5.3
80°-90°	96.6	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°	2020.4	29.5
0°-40°	3293.5	48.1
0°-60°	5660.1	82.7
0°-90°	6841.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6841.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2595	2595	2595	2595	2595	
5°	2588	2588	2583	2594	2597	246
15°	2498	2501	2497	2508	2510	705
25°	2317	2317	2313	2324	2326	1065
35°	2028	2030	2036	2050	2052	1265
45°	1643	1646	1657	1679	1689	1264
55°	1200	1209	1219	1231	1234	1070
65°	712	718	720	731	749	714
75°	352	347	332	324	325	378
85°	91	89	83	78	71	106
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-80-PL1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2595.4	2595.4	2595.4	2595.4	2595.4
2.5°	2593.3	2595.4	2588.4	2601.0	2604.2
5°	2587.7	2588.4	2582.8	2594.4	2597.2
7.5°	2575.2	2576.2	2570.3	2582.8	2584.6
10°	2554.9	2557.0	2552.1	2563.6	2566.4
12.5°	2529.0	2531.8	2526.9	2539.5	2541.6
15°	2498.3	2501.1	2497.2	2507.7	2509.8
17.5°	2460.5	2462.6	2460.5	2470.3	2475.9
20°	2418.3	2418.3	2418.3	2427.0	2431.9
22.5°	2365.5	2370.4	2368.3	2379.8	2384.7
25°	2316.6	2316.6	2313.4	2324.3	2326.0
27.5°	2248.1	2255.8	2255.1	2264.5	2266.6
30°	2185.6	2187.7	2188.7	2195.3	2199.2
32.5°	2109.7	2111.5	2114.6	2124.1	2125.1
35°	2028.0	2030.1	2035.7	2050.0	2052.1
37.5°	1932.9	1943.4	1948.3	1963.7	1965.4
40°	1837.5	1844.2	1858.9	1874.9	1882.6
42.5°	1740.4	1748.1	1756.8	1778.8	1785.8
45°	1643.3	1646.1	1656.9	1678.9	1688.7
47.5°	1535.7	1544.4	1553.8	1573.0	1579.0
50°	1428.0	1437.5	1443.4	1460.5	1472.1
52.5°	1319.4	1328.1	1334.7	1345.2	1356.8
55°	1200.2	1208.6	1219.4	1231.0	1233.8
57.5°	1079.0	1088.4	1095.4	1107.6	1120.2
60°	949.0	959.8	969.3	980.8	993.4
62.5°	828.1	832.6	842.4	861.6	879.8
65°	712.4	718.4	720.1	731.0	749.1
67.5°	616.4	616.4	607.6	611.5	631.7
70°	515.4	511.5	504.9	501.1	517.5
72.5°	433.6	428.7	414.4	407.8	416.5
75°	351.9	347.0	331.6	323.9	325.0
77.5°	282.7	275.0	262.4	249.1	246.3
80°	214.5	211.4	199.2	186.6	176.8
82.5°	152.0	145.4	138.4	130.7	123.0
85°	91.2	89.4	82.8	77.9	71.3
87.5°	37.4	37.4	35.6	33.5	31.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)