

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: P1050715

Luminaire Tested: 24PTR-80-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050715
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-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

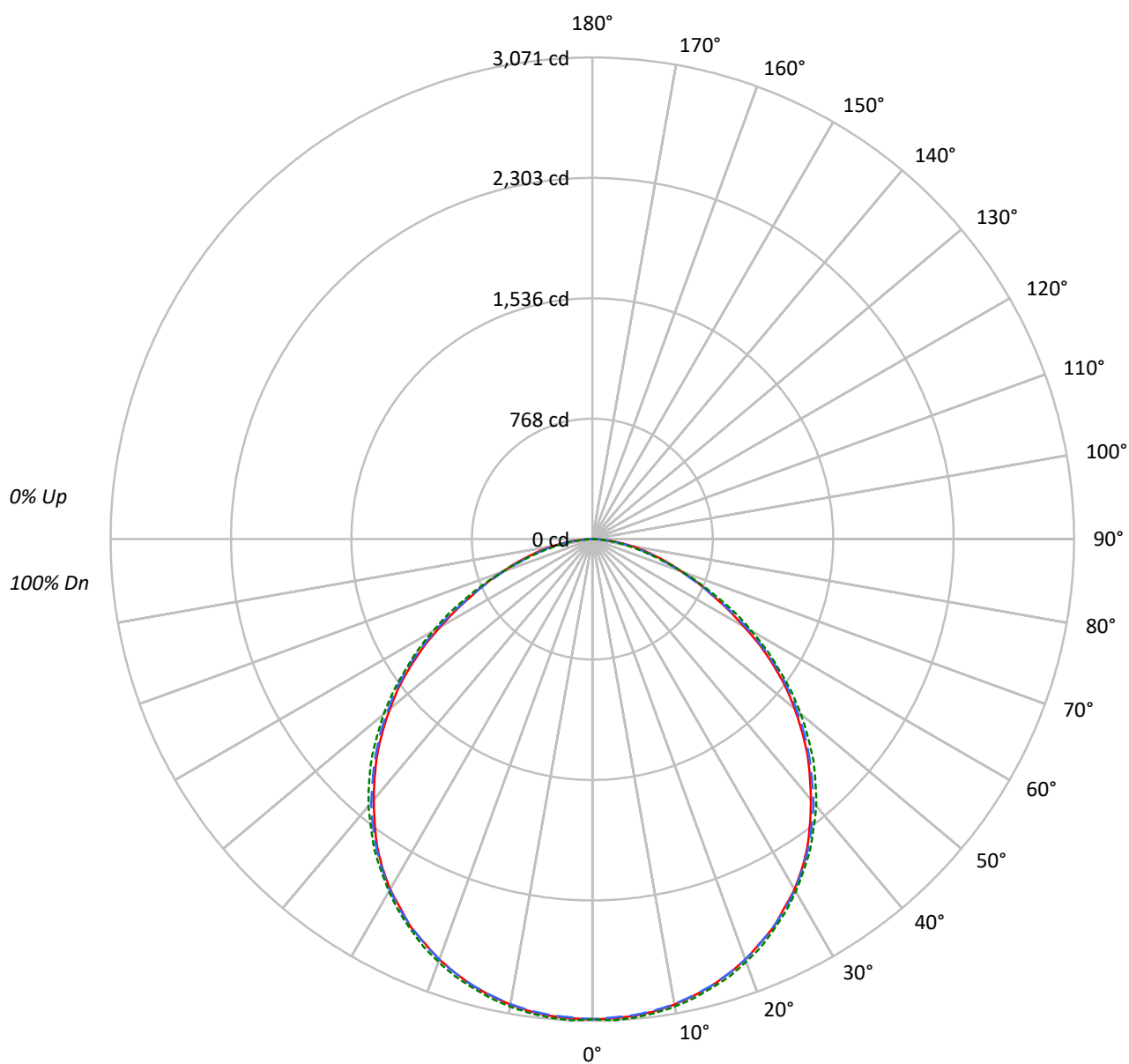
Lumens per Lamp: N/A
Luminaire Lumens: 8068.5 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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

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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	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°	4118	4118	4118
5°	4122	4114	4137
10°	4117	4112	4135
15°	4104	4102	4123
20°	4084	4084	4107
25°	4056	4051	4073
30°	4005	4010	4030
35°	3928	3943	3975
40°	3806	3851	3900
45°	3688	3718	3790
50°	3525	3563	3634
55°	3320	3374	3413
60°	3012	3076	3152
65°	2675	2704	2813
70°	2391	2343	2401
75°	2157	2033	1992
80°	1960	1820	1616
85°	1661	1508	1298

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3790 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.3	3.6
10°-20°	832.8	10.3
20°-30°	1259.6	15.6
30°-40°	1501.5	18.6
40°-50°	1509.8	18.7
50°-60°	1281.4	15.9
60°-70°	853.2	10.6
70°-80°	426.0	5.3
80°-90°	114.0	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°	2382.7	29.5
0°-40°	3884.2	48.1
0°-60°	6675.4	82.7
0°-90°	8068.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8068.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3061	3061	3061	3061	3061	
5°	3052	3053	3046	3060	3063	290
15°	2946	2950	2945	2958	2960	831
25°	2732	2732	2728	2741	2743	1256
35°	2392	2394	2401	2418	2420	1492
45°	1938	1941	1954	1980	1992	1491
55°	1416	1425	1438	1452	1455	1261
65°	840	847	849	862	884	842
75°	415	409	391	382	383	446
85°	108	106	98	92	84	124
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3060.9	3060.9	3060.9	3060.9	3060.9
2.5°	3058.5	3060.9	3052.7	3067.5	3071.2
5°	3051.9	3052.7	3046.1	3059.7	3063.0
7.5°	3037.0	3038.3	3031.3	3046.1	3048.2
10°	3013.1	3015.6	3009.8	3023.4	3026.7
12.5°	2982.6	2985.9	2980.2	2995.0	2997.5
15°	2946.4	2949.7	2945.1	2957.5	2960.0
17.5°	2901.9	2904.3	2901.9	2913.4	2920.0
20°	2852.0	2852.0	2852.0	2862.3	2868.1
22.5°	2789.8	2795.5	2793.1	2806.7	2812.4
25°	2732.1	2732.1	2728.4	2741.2	2743.2
27.5°	2651.3	2660.4	2659.6	2670.7	2673.2
30°	2577.6	2580.0	2581.3	2589.1	2593.6
32.5°	2488.1	2490.2	2493.9	2505.0	2506.3
35°	2391.7	2394.2	2400.8	2417.7	2420.1
37.5°	2279.6	2292.0	2297.8	2315.9	2317.9
40°	2167.1	2175.0	2192.3	2211.2	2220.3
42.5°	2052.6	2061.6	2071.9	2097.9	2106.1
45°	1938.0	1941.3	1954.1	1980.0	1991.6
47.5°	1811.1	1821.4	1832.5	1855.2	1862.2
50°	1684.2	1695.3	1702.3	1722.5	1736.1
52.5°	1556.0	1566.3	1574.1	1586.5	1600.1
55°	1415.5	1425.4	1438.2	1451.8	1455.1
57.5°	1272.5	1283.6	1291.9	1306.3	1321.1
60°	1119.2	1132.0	1143.1	1156.7	1171.5
62.5°	976.6	982.0	993.5	1016.2	1037.6
65°	840.2	847.2	849.3	862.1	883.5
67.5°	726.9	726.9	716.6	721.1	745.0
70°	607.8	603.3	595.5	590.9	610.3
72.5°	511.4	505.6	488.7	480.9	491.2
75°	415.0	409.2	391.1	382.0	383.2
77.5°	333.4	324.3	309.5	293.8	290.5
80°	253.0	249.3	234.9	220.1	208.5
82.5°	179.3	171.4	163.2	154.1	145.1
85°	107.6	105.5	97.7	91.9	84.1
87.5°	44.1	44.1	42.0	39.6	37.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)