

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: P1050242

Luminaire Tested: PTR-14-80-PL1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050242
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: PTR-14-80-PL1-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

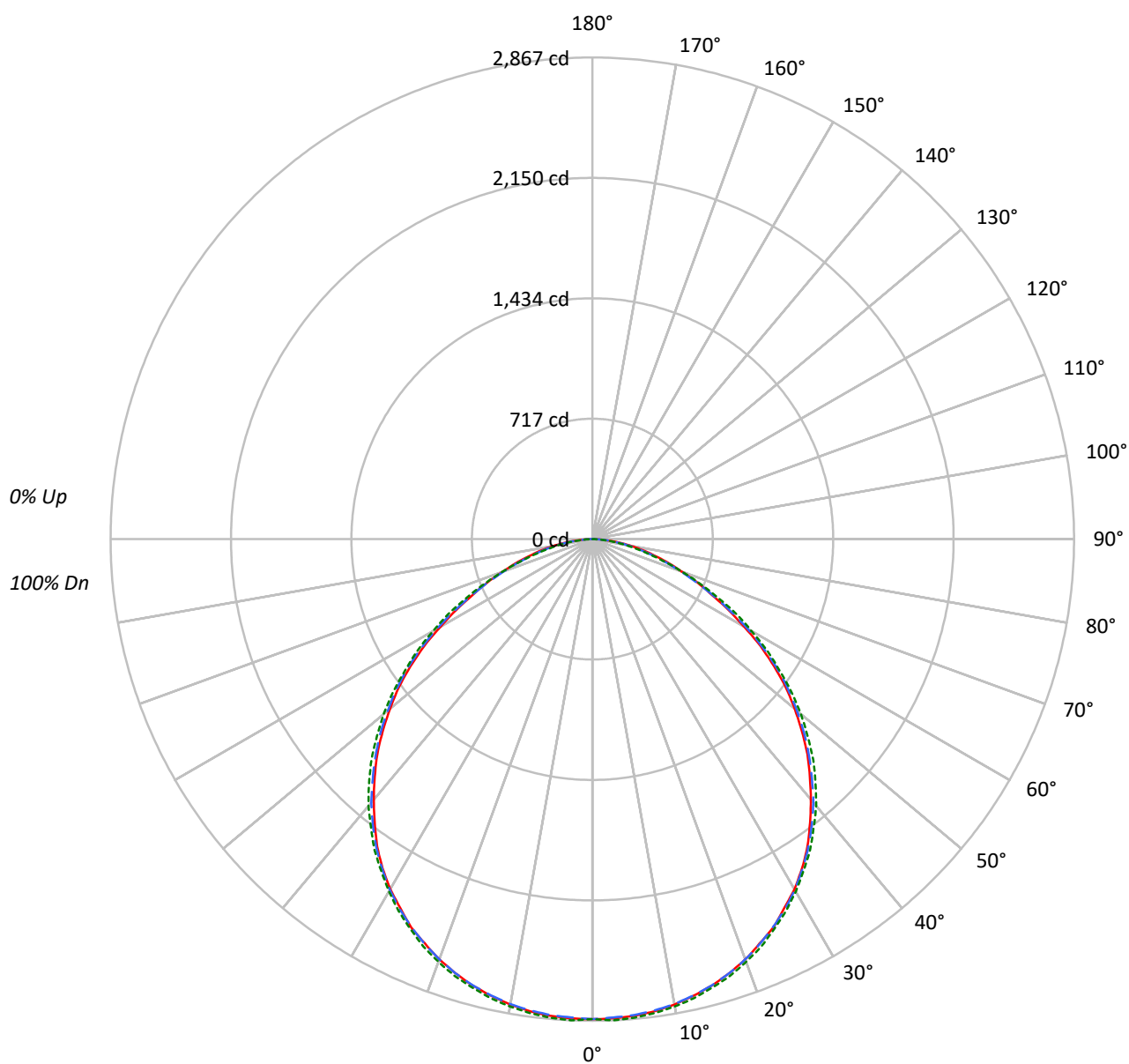
Lumens per Lamp: N/A
Luminaire Lumens: 7532.1 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71
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°	7689	7689	7689
5°	7696	7681	7724
10°	7686	7678	7721
15°	7663	7660	7698
20°	7624	7624	7667
25°	7573	7562	7604
30°	7477	7488	7523
35°	7335	7363	7422
40°	7107	7189	7281
45°	6885	6942	7075
50°	6582	6653	6785
55°	6199	6299	6373
60°	5623	5743	5886
65°	4995	5048	5252
70°	4464	4374	4482
75°	4028	3796	3720
80°	3660	3398	3017
85°	3100	2816	2424

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7075 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.0	3.6
10°-20°	777.4	10.3
20°-30°	1175.9	15.6
30°-40°	1401.7	18.6
40°-50°	1409.4	18.7
50°-60°	1196.2	15.9
60°-70°	796.4	10.6
70°-80°	397.7	5.3
80°-90°	106.4	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°	2224.4	29.5
0°-40°	3626.0	48.1
0°-60°	6231.6	82.7
0°-90°	7532.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7532.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2858	2858	2858	2858	2858	
5°	2849	2850	2844	2856	2859	271
15°	2750	2754	2749	2761	2763	776
25°	2550	2550	2547	2559	2561	1173
35°	2233	2235	2241	2257	2259	1393
45°	1809	1812	1824	1848	1859	1392
55°	1321	1331	1343	1355	1358	1178
65°	784	791	793	805	825	786
75°	387	382	365	357	358	416
85°	100	98	91	86	78	116
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2857.5	2857.5	2857.5	2857.5	2857.5
2.5°	2855.2	2857.5	2849.8	2863.6	2867.1
5°	2849.0	2849.8	2843.6	2856.3	2859.4
7.5°	2835.2	2836.3	2829.8	2843.6	2845.5
10°	2812.8	2815.2	2809.8	2822.5	2825.5
12.5°	2784.4	2787.5	2782.1	2795.9	2798.2
15°	2750.5	2753.6	2749.4	2760.9	2763.2
17.5°	2709.0	2711.3	2709.0	2719.8	2725.9
20°	2662.4	2662.4	2662.4	2672.0	2677.4
22.5°	2604.3	2609.7	2607.4	2620.1	2625.5
25°	2550.5	2550.5	2547.0	2559.0	2560.9
27.5°	2475.1	2483.6	2482.8	2493.2	2495.5
30°	2406.2	2408.5	2409.7	2417.0	2421.2
32.5°	2322.8	2324.7	2328.1	2338.5	2339.7
35°	2232.7	2235.0	2241.2	2257.0	2259.3
37.5°	2128.1	2139.6	2145.0	2162.0	2163.9
40°	2023.1	2030.4	2046.5	2064.2	2072.7
42.5°	1916.1	1924.6	1934.2	1958.5	1966.1
45°	1809.2	1812.3	1824.2	1848.4	1859.2
47.5°	1690.7	1700.3	1710.7	1731.9	1738.4
50°	1572.2	1582.6	1589.1	1608.0	1620.7
52.5°	1452.6	1462.2	1469.5	1481.1	1493.7
55°	1321.4	1330.6	1342.6	1355.3	1358.3
57.5°	1187.9	1198.3	1206.0	1219.5	1233.3
60°	1044.8	1056.7	1067.1	1079.8	1093.7
62.5°	911.7	916.7	927.5	948.6	968.6
65°	784.4	790.9	792.8	804.8	824.8
67.5°	678.6	678.6	669.0	673.2	695.5
70°	567.4	563.2	555.9	551.6	569.7
72.5°	477.4	472.0	456.2	448.9	458.5
75°	387.4	382.0	365.1	356.6	357.8
77.5°	311.2	302.8	288.9	274.3	271.2
80°	236.2	232.7	219.3	205.4	194.7
82.5°	167.3	160.0	152.3	143.9	135.4
85°	100.4	98.5	91.2	85.8	78.5
87.5°	41.2	41.2	39.2	36.9	35.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)