

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: P1050095

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050095
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-80-L835-UNV-STD-W
Description: 8000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

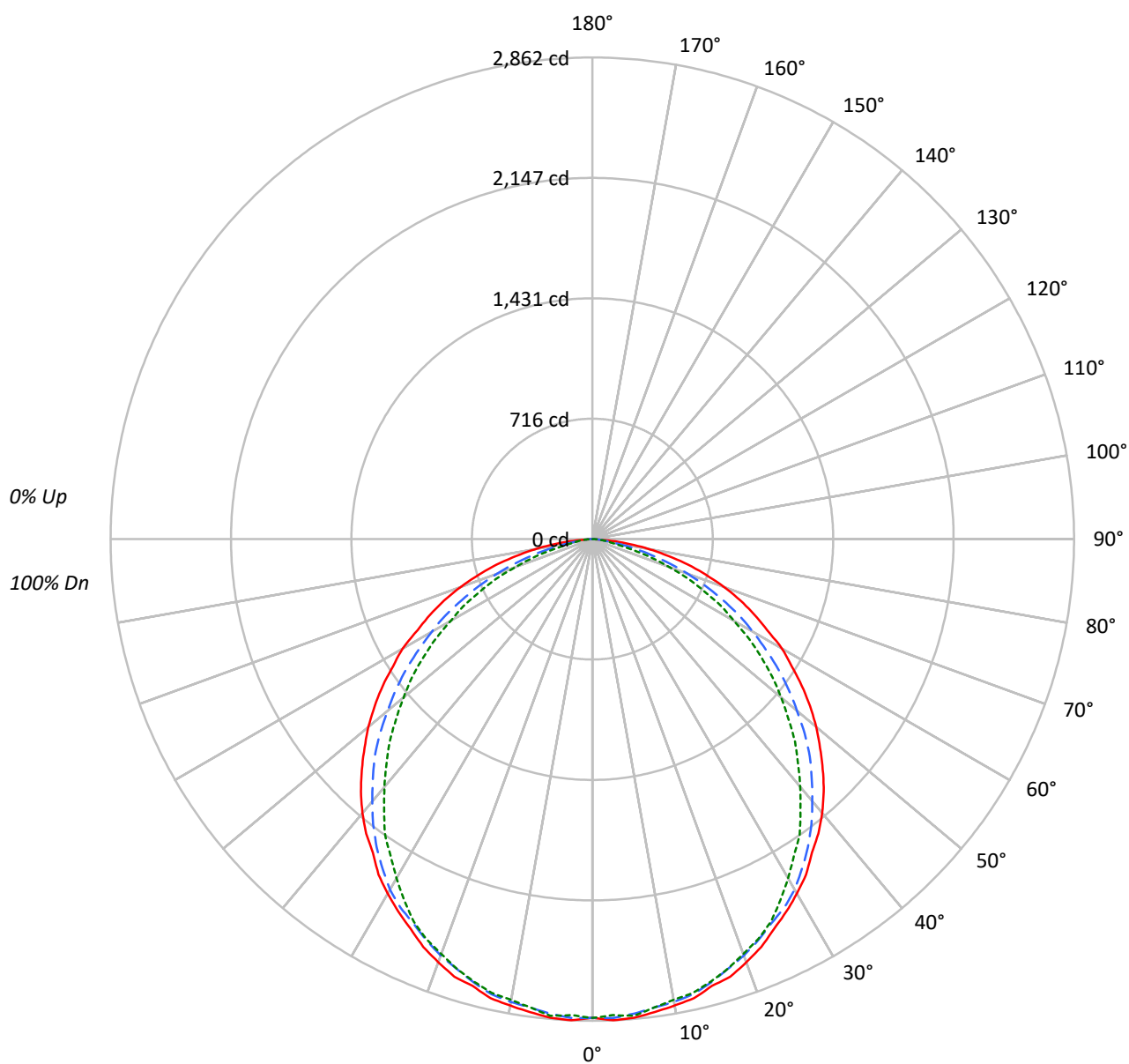
Lumens per Lamp: N/A
Luminaire Lumens: 7577.0 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7655	7655	7655
5°	7712	7647	7679
10°	7690	7629	7597
15°	7656	7594	7580
20°	7661	7539	7510
25°	7586	7475	7450
30°	7554	7470	7228
35°	7469	7336	7052
40°	7463	7142	6749
45°	7370	6957	6480
50°	7270	6646	6128
55°	7130	6335	5755
60°	7003	5927	5225
65°	6764	5437	4671
70°	6545	4732	3812
75°	6148	3735	2624
80°	5329	2258	1576
85°	3557	1621	1516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 7370 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.6	3.6
10°-20°	771.6	10.2
20°-30°	1165.5	15.4
30°-40°	1385.7	18.3
40°-50°	1405.4	18.5
50°-60°	1220.4	16.1
60°-70°	866.3	11.4
70°-80°	414.0	5.5
80°-90°	78.5	1.0
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°	2206.7	29.1
0°-40°	3592.4	47.4
0°-60°	6218.2	82.1
0°-90°	7577.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7577.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2845	2845	2845	2845	2845	
5°	2855	2845	2831	2838	2843	271
15°	2748	2755	2726	2723	2721	778
25°	2555	2552	2518	2528	2509	1180
35°	2274	2270	2233	2157	2147	1429
45°	1936	1920	1828	1732	1703	1494
55°	1520	1474	1350	1271	1227	1358
65°	1062	983	854	762	734	1052
75°	591	483	359	285	252	620
85°	115	61	52	51	49	145
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2844.6	2844.6	2844.6	2844.6	2844.6
2.5°	2861.5	2851.4	2848.0	2859.8	2831.0
5°	2854.8	2844.6	2831.0	2837.8	2842.9
7.5°	2834.4	2826.0	2807.3	2822.6	2807.3
10°	2814.1	2805.6	2792.1	2797.2	2780.2
12.5°	2793.8	2773.4	2770.0	2773.4	2761.6
15°	2748.0	2754.8	2726.0	2722.6	2720.9
17.5°	2726.0	2709.1	2678.6	2680.3	2676.9
20°	2675.2	2654.8	2632.8	2629.4	2622.6
22.5°	2622.6	2598.9	2578.6	2588.8	2573.5
25°	2554.9	2551.5	2517.6	2527.8	2509.1
27.5°	2495.6	2483.7	2468.5	2446.5	2419.3
30°	2431.2	2419.3	2404.1	2346.5	2326.2
32.5°	2363.4	2349.9	2319.4	2251.6	2229.6
35°	2273.6	2270.3	2233.0	2156.7	2146.6
37.5°	2205.9	2168.6	2138.1	2060.2	2031.4
40°	2124.5	2104.2	2033.1	1958.5	1921.2
42.5°	2034.8	2011.0	1929.7	1850.1	1809.4
45°	1936.5	1919.5	1828.1	1731.5	1702.7
47.5°	1834.8	1819.6	1711.2	1618.0	1580.7
50°	1736.6	1717.9	1587.5	1497.7	1463.8
52.5°	1629.8	1599.3	1470.6	1382.5	1350.3
55°	1519.7	1474.0	1350.3	1270.7	1226.6
57.5°	1402.8	1360.5	1223.2	1140.2	1104.6
60°	1301.2	1241.9	1101.2	1016.5	970.8
62.5°	1170.7	1119.9	986.0	886.1	864.1
65°	1062.3	982.6	853.9	762.4	733.6
67.5°	952.2	859.0	728.5	635.3	620.1
70°	831.9	735.3	601.4	510.0	484.5
72.5°	709.9	615.0	484.5	388.0	372.7
75°	591.3	482.9	359.2	284.6	252.4
77.5°	462.5	364.3	252.4	174.5	154.2
80°	343.9	245.7	145.7	103.3	101.7
82.5°	225.3	142.3	77.9	79.6	76.2
85°	115.2	61.0	52.5	50.8	49.1
87.5°	22.0	23.7	25.4	25.4	25.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)