

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: P1050274

Luminaire Tested: PTR-14-70-PLG-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050274
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: PTR-14-70-PLG-L835-UNV-STD-W
Description: 7000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

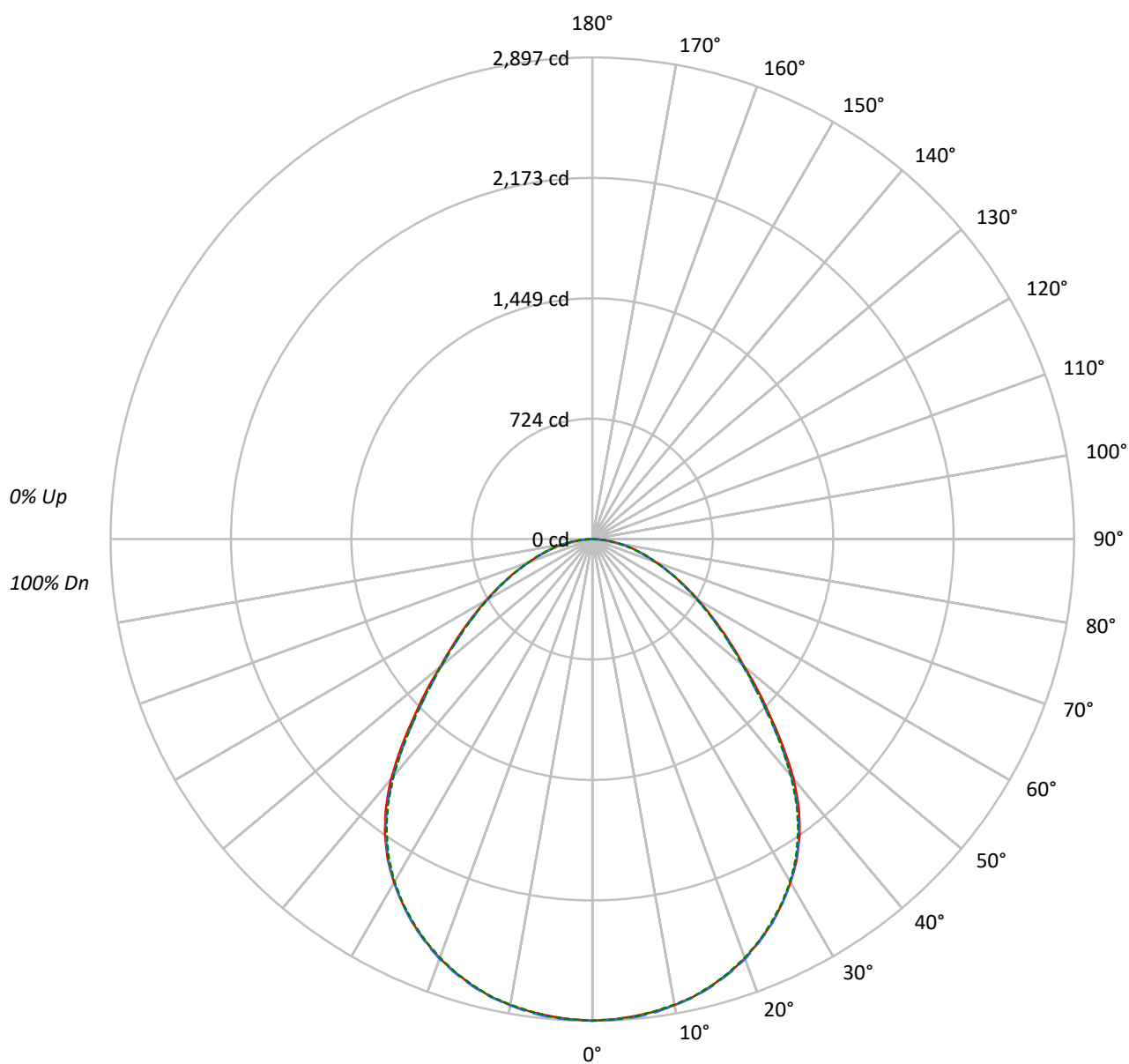
Lumens per Lamp: N/A
Luminaire Lumens: 6527.5 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 63
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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7795	7795	7795
5°	7781	7797	7786
10°	7775	7781	7770
15°	7744	7755	7738
20°	7683	7695	7672
25°	7576	7582	7557
30°	7411	7411	7392
35°	7139	7119	7085
40°	6616	6543	6522
45°	5782	5688	5712
50°	4992	4932	4958
55°	4437	4370	4379
60°	3972	3917	3917
65°	3561	3535	3548
70°	3203	3171	3203
75°	2972	2929	2972
80°	2772	2740	2644
85°	2350	2350	2093

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5782 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.3	4.2
10°-20°	784.8	12.0
20°-30°	1174.3	18.0
30°-40°	1345.4	20.6
40°-50°	1163.6	17.8
50°-60°	842.1	12.9
60°-70°	554.7	8.5
70°-80°	301.9	4.6
80°-90°	86.5	1.3
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°	2233.3	34.2
0°-40°	3578.7	54.8
0°-60°	5584.3	85.6
0°-90°	6527.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6527.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2897	2897	2897	2897	2897	
5°	2880	2887	2887	2887	2882	274
15°	2780	2782	2784	2788	2778	784
25°	2552	2552	2554	2556	2545	1174
35°	2173	2171	2167	2165	2157	1350
45°	1519	1515	1495	1493	1501	1177
55°	946	942	931	925	933	851
65°	559	563	555	551	557	558
75°	286	286	282	282	286	304
85°	76	76	76	78	68	88
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2896.9	2896.9	2896.9	2896.9	2896.9
2.5°	2890.7	2896.9	2894.8	2896.9	2890.7
5°	2880.4	2886.6	2886.6	2886.6	2882.5
7.5°	2866.0	2870.1	2872.2	2874.3	2864.0
10°	2845.5	2849.6	2847.5	2851.6	2843.4
12.5°	2818.7	2818.7	2820.8	2824.9	2816.7
15°	2779.7	2781.7	2783.8	2787.9	2777.6
17.5°	2734.4	2736.5	2738.6	2740.6	2732.4
20°	2683.0	2683.0	2687.2	2689.2	2678.9
22.5°	2619.3	2619.3	2623.4	2629.6	2617.3
25°	2551.5	2551.5	2553.5	2555.6	2545.3
27.5°	2471.3	2471.3	2473.3	2479.5	2467.2
30°	2384.9	2382.9	2384.9	2387.0	2378.8
32.5°	2288.3	2286.2	2284.2	2286.2	2276.0
35°	2173.2	2171.1	2167.0	2164.9	2156.7
37.5°	2039.5	2035.4	2027.2	2027.2	2019.0
40°	1883.3	1873.0	1862.7	1858.6	1856.5
42.5°	1702.3	1694.1	1679.7	1677.7	1677.7
45°	1519.4	1515.3	1494.7	1492.6	1500.9
47.5°	1354.9	1344.6	1326.1	1322.0	1334.3
50°	1192.5	1194.5	1178.1	1171.9	1184.2
52.5°	1065.0	1060.9	1046.5	1042.4	1052.7
55°	945.7	941.6	931.4	925.2	933.4
57.5°	836.8	834.7	824.4	822.4	826.5
60°	738.1	736.0	727.8	725.8	727.8
62.5°	645.6	645.6	637.4	633.2	639.4
65°	559.2	563.3	555.1	551.0	557.2
67.5°	481.1	485.2	477.0	472.9	481.1
70°	407.1	411.2	403.0	398.9	407.1
72.5°	343.3	345.4	339.2	337.2	347.5
75°	285.8	285.8	281.7	281.7	285.8
77.5°	232.3	230.3	228.2	228.2	224.1
80°	178.9	176.8	176.8	176.8	170.6
82.5°	127.5	123.4	125.4	127.5	117.2
85°	76.1	76.1	76.1	78.1	67.8
87.5°	30.8	30.8	28.8	30.8	26.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)