

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: P1050792

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050792
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: 24PTR-80-PLG-L835-UNV-STD-W
Description: 8000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

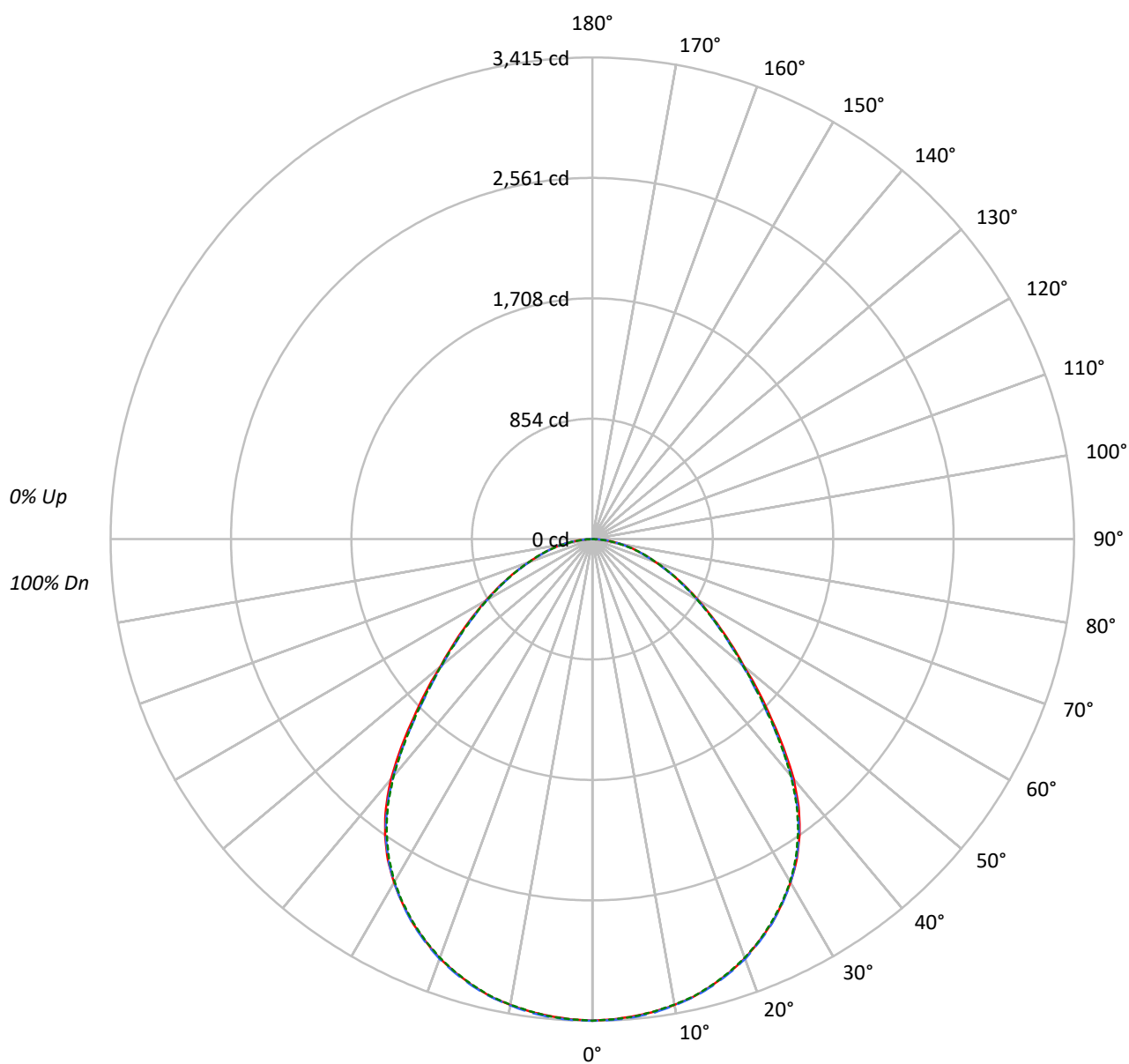
Lumens per Lamp: N/A
Luminaire Lumens: 7694.3 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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°	4594	4594	4594
5°	4586	4596	4589
10°	4583	4586	4579
15°	4564	4571	4561
20°	4528	4535	4521
25°	4465	4469	4454
30°	4368	4368	4356
35°	4208	4196	4176
40°	3899	3857	3844
45°	3408	3353	3366
50°	2942	2907	2922
55°	2615	2575	2581
60°	2341	2309	2309
65°	2099	2083	2091
70°	1888	1869	1888
75°	1751	1726	1751
80°	1633	1615	1558
85°	1385	1385	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3408 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.3	4.2
10°-20°	925.1	12.0
20°-30°	1384.2	18.0
30°-40°	1585.8	20.6
40°-50°	1371.6	17.8
50°-60°	992.6	12.9
60°-70°	653.8	8.5
70°-80°	355.9	4.6
80°-90°	102.0	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°	2632.5	34.2
0°-40°	4218.3	54.8
0°-60°	6582.5	85.6
0°-90°	7694.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7694.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3415	3415	3415	3415	3415	
5°	3395	3403	3403	3403	3398	323
15°	3276	3279	3281	3286	3274	924
25°	3008	3008	3010	3012	3000	1383
35°	2562	2559	2554	2552	2542	1591
45°	1791	1786	1762	1759	1769	1387
55°	1115	1110	1098	1091	1100	1003
65°	659	664	654	650	657	658
75°	337	337	332	332	337	359
85°	90	90	90	92	80	104
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3414.7	3414.7	3414.7	3414.7	3414.7
2.5°	3407.4	3414.7	3412.3	3414.7	3407.4
5°	3395.3	3402.6	3402.6	3402.6	3397.7
7.5°	3378.3	3383.2	3385.6	3388.0	3375.9
10°	3354.1	3358.9	3356.5	3361.4	3351.7
12.5°	3322.6	3322.6	3325.0	3329.9	3320.2
15°	3276.5	3279.0	3281.4	3286.2	3274.1
17.5°	3223.2	3225.6	3228.1	3230.5	3220.8
20°	3162.6	3162.6	3167.5	3169.9	3157.8
22.5°	3087.5	3087.5	3092.4	3099.6	3085.1
25°	3007.5	3007.5	3010.0	3012.4	3000.3
27.5°	2913.0	2913.0	2915.4	2922.7	2908.2
30°	2811.2	2808.8	2811.2	2813.7	2804.0
32.5°	2697.3	2694.9	2692.5	2694.9	2682.8
35°	2561.6	2559.2	2554.3	2551.9	2542.2
37.5°	2404.1	2399.2	2389.5	2389.5	2379.9
40°	2219.9	2207.8	2195.7	2190.8	2188.4
42.5°	2006.6	1996.9	1980.0	1977.6	1977.6
45°	1790.9	1786.1	1761.9	1759.4	1769.1
47.5°	1597.1	1585.0	1563.1	1558.3	1572.8
50°	1405.6	1408.0	1388.7	1381.4	1395.9
52.5°	1255.4	1250.5	1233.5	1228.7	1240.8
55°	1114.8	1110.0	1097.8	1090.6	1100.3
57.5°	986.4	983.9	971.8	969.4	974.2
60°	870.0	867.6	857.9	855.5	857.9
62.5°	761.0	761.0	751.3	746.4	753.7
65°	659.2	664.0	654.3	649.5	656.8
67.5°	567.1	571.9	562.2	557.4	567.1
70°	479.8	484.7	475.0	470.2	479.8
72.5°	404.7	407.1	399.9	397.4	409.6
75°	336.9	336.9	332.0	332.0	336.9
77.5°	273.9	271.4	269.0	269.0	264.2
80°	210.8	208.4	208.4	208.4	201.1
82.5°	150.3	145.4	147.8	150.3	138.1
85°	89.7	89.7	89.7	92.1	80.0
87.5°	36.4	36.4	33.9	36.4	31.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)