

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: P1050871

Luminaire Tested: 24PTR-90-PP3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-90-PP3-L835-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

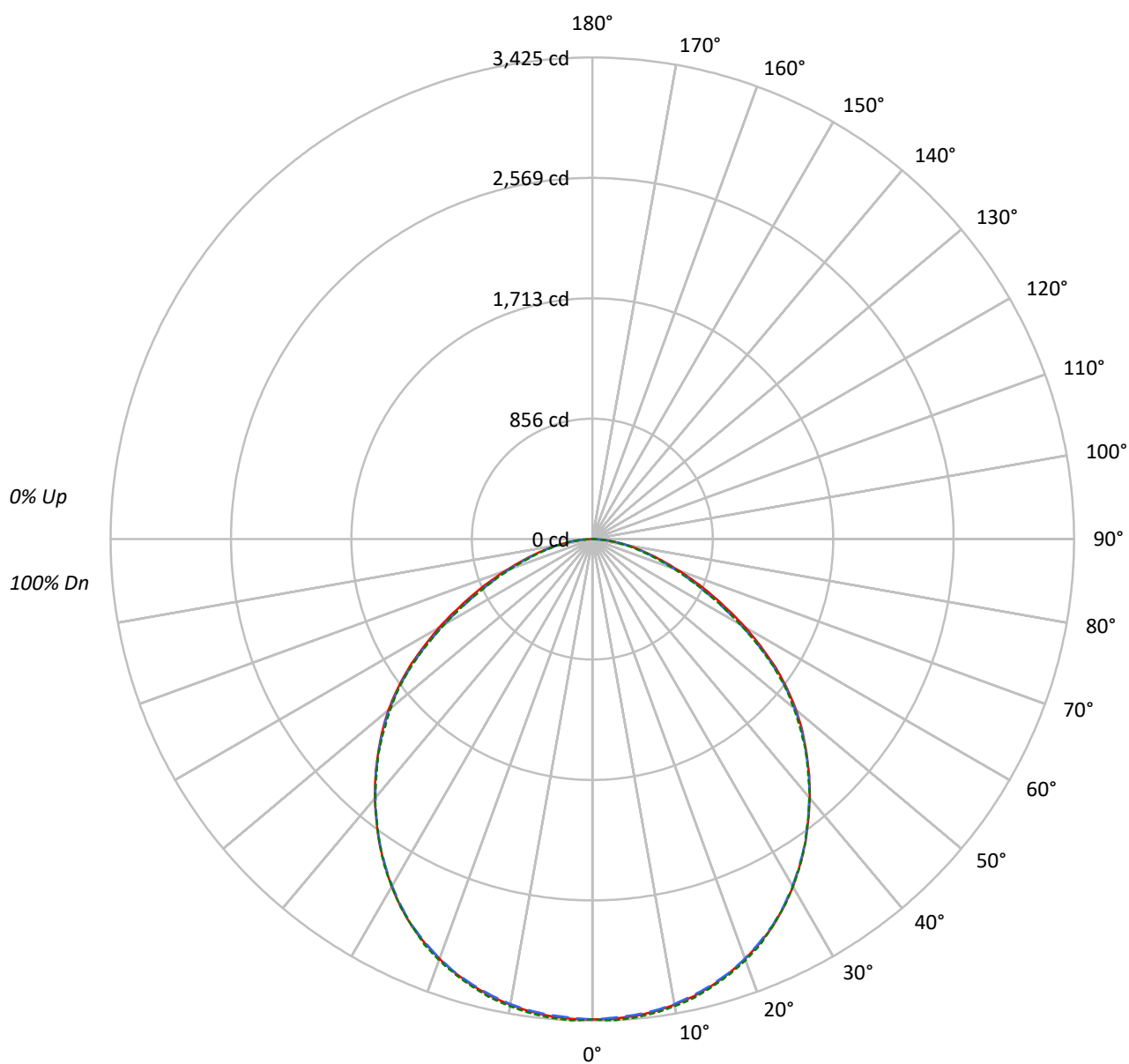
Lumens per Lamp: N/A
Luminaire Lumens: 8824.1 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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

TEST NUMBER: P1050871

CATALOG NUMBER: 24PTR-90-PP3-L835-UNV-STD-W

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	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4595	4595	4595
5°	4599	4589	4614
10°	4593	4586	4608
15°	4578	4569	4590
20°	4548	4544	4563
25°	4507	4500	4505
30°	4431	4422	4431
35°	4335	4329	4333
40°	4224	4210	4222
45°	4097	4085	4090
50°	3960	3941	3913
55°	3728	3685	3673
60°	3383	3269	3275
65°	2971	2822	2818
70°	2569	2452	2424
75°	2222	2140	2093
80°	1968	1940	1853
85°	1627	1683	1585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4112 cd/sqm

TEST NUMBER: P1050871

CATALOG NUMBER: 24PTR-90-PP3-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.9	3.7
10°-20°	927.9	10.5
20°-30°	1396.9	15.8
30°-40°	1648.7	18.7
40°-50°	1658.2	18.8
50°-60°	1399.9	15.9
60°-70°	899.0	10.2
70°-80°	447.1	5.1
80°-90°	122.5	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°	2648.7	30.0
0°-40°	4297.4	48.7
0°-60°	7355.4	83.4
0°-90°	8824.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8824.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3415	3415	3415	3415	3415	
5°	3405	3406	3398	3414	3416	324
15°	3286	3287	3280	3295	3295	927
25°	3036	3037	3031	3037	3035	1397
35°	2639	2640	2636	2638	2638	1649
45°	2153	2161	2147	2150	2150	1662
55°	1589	1588	1571	1564	1566	1414
65°	933	920	886	878	885	930
75°	428	425	412	408	403	463
85°	105	109	109	103	103	124
90°	0	0	0	0	0	

TEST NUMBER: P1050871

CATALOG NUMBER: 24PTR-90-PP3-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3415.2	3415.2	3415.2	3415.2	3415.2
2.5°	3413.9	3415.2	3406.2	3422.4	3425.1
5°	3405.3	3406.2	3397.7	3413.9	3416.1
7.5°	3387.7	3389.1	3381.4	3396.3	3399.0
10°	3361.6	3365.7	3356.7	3370.6	3372.9
12.5°	3329.6	3331.0	3322.0	3338.2	3340.9
15°	3286.4	3287.3	3280.1	3295.0	3295.0
17.5°	3236.4	3237.7	3232.8	3245.4	3244.1
20°	3176.0	3179.6	3173.3	3181.9	3186.8
22.5°	3110.3	3111.6	3104.0	3115.2	3120.2
25°	3036.0	3036.9	3031.0	3036.9	3034.6
27.5°	2949.0	2951.3	2942.7	2949.0	2950.4
30°	2852.2	2858.5	2846.3	2851.3	2852.2
32.5°	2748.1	2751.7	2743.2	2744.5	2750.8
35°	2639.1	2640.5	2635.5	2637.8	2637.8
37.5°	2521.6	2526.5	2518.8	2522.5	2517.5
40°	2404.9	2399.9	2397.2	2399.9	2403.5
42.5°	2281.9	2283.3	2279.7	2277.0	2271.1
45°	2153.1	2160.8	2146.8	2149.5	2149.5
47.5°	2027.0	2027.9	2020.7	2013.0	2008.1
50°	1891.8	1891.8	1882.8	1877.0	1869.3
52.5°	1744.1	1741.8	1731.9	1725.6	1729.2
55°	1589.1	1587.8	1570.7	1564.4	1565.7
57.5°	1419.3	1422.0	1395.9	1389.6	1389.6
60°	1257.2	1244.6	1214.8	1206.3	1217.1
62.5°	1086.9	1072.0	1040.1	1040.1	1048.6
65°	933.3	919.8	886.5	877.5	885.1
67.5°	789.6	777.0	746.4	741.4	743.7
70°	653.1	642.3	623.4	612.1	616.2
72.5°	535.6	525.7	513.0	504.5	499.5
75°	427.5	425.2	411.7	407.6	402.7
77.5°	338.3	337.4	326.1	321.2	316.2
80°	254.0	252.7	250.4	242.8	239.2
82.5°	181.1	181.1	179.7	173.4	169.8
85°	105.4	109.0	109.0	102.7	102.7
87.5°	42.3	44.6	42.3	42.3	41.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)