

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: P1050486

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050486
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: 24PTR-90-L835-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

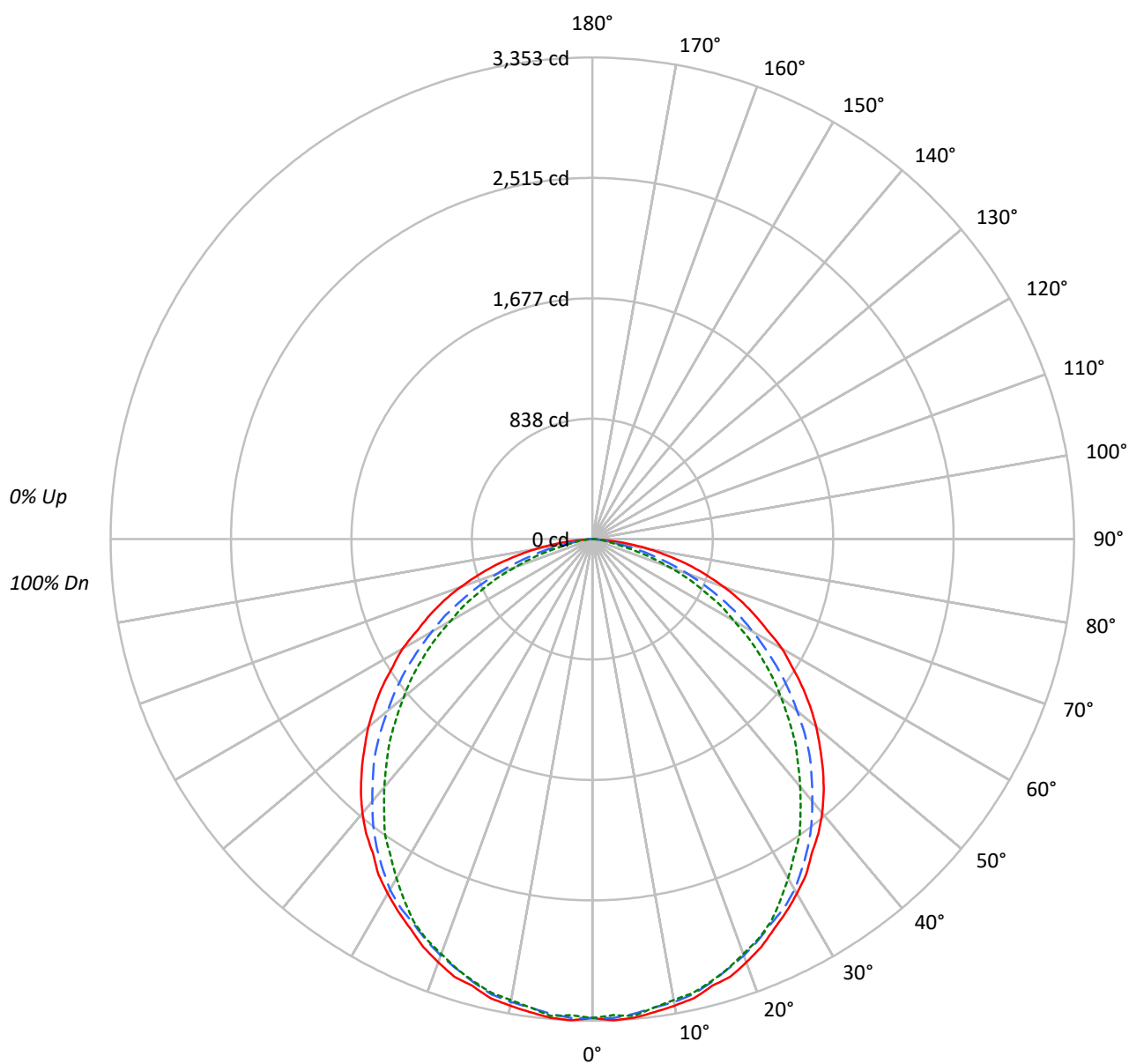
Lumens per Lamp: N/A
Luminaire Lumens: 8877.9 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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: P1050486

CATALOG NUMBER: 24PTR-90-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	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°	4485	4485	4485
5°	4518	4480	4499
10°	4505	4470	4451
15°	4485	4449	4441
20°	4488	4417	4400
25°	4444	4379	4365
30°	4426	4376	4234
35°	4376	4297	4131
40°	4372	4184	3954
45°	4317	4076	3796
50°	4259	3893	3590
55°	4177	3711	3371
60°	4102	3472	3061
65°	3962	3185	2736
70°	3834	2772	2233
75°	3602	2188	1538
80°	3123	1323	923
85°	2084	949	889

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4317 cd/sqm

TEST NUMBER: P1050486

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.9	3.6
10°-20°	904.0	10.2
20°-30°	1365.6	15.4
30°-40°	1623.6	18.3
40°-50°	1646.7	18.5
50°-60°	1429.9	16.1
60°-70°	1015.1	11.4
70°-80°	485.1	5.5
80°-90°	91.9	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°	2585.5	29.1
0°-40°	4209.2	47.4
0°-60°	7285.8	82.1
0°-90°	8877.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8877.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3333	3333	3333	3333	3333	
5°	3345	3333	3317	3325	3331	317
15°	3220	3228	3194	3190	3188	912
25°	2994	2990	2950	2962	2940	1383
35°	2664	2660	2616	2527	2515	1674
45°	2269	2249	2142	2029	1995	1750
55°	1781	1727	1582	1489	1437	1591
65°	1245	1151	1000	893	860	1233
75°	693	566	421	334	296	726
85°	135	72	62	60	58	170
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3333.0	3333.0	3333.0	3333.0	3333.0
2.5°	3352.8	3340.9	3336.9	3350.8	3317.1
5°	3344.9	3333.0	3317.1	3325.0	3331.0
7.5°	3321.0	3311.1	3289.3	3307.1	3289.3
10°	3297.2	3287.3	3271.4	3277.4	3257.5
12.5°	3273.4	3249.6	3245.6	3249.6	3235.7
15°	3219.8	3227.7	3194.0	3190.0	3188.0
17.5°	3194.0	3174.1	3138.4	3140.4	3136.4
20°	3134.4	3110.6	3084.8	3080.8	3072.9
22.5°	3072.9	3045.1	3021.3	3033.2	3015.3
25°	2993.5	2989.5	2949.8	2961.7	2939.9
27.5°	2924.0	2910.1	2892.3	2866.5	2834.7
30°	2848.6	2834.7	2816.8	2749.3	2725.5
32.5°	2769.2	2753.3	2717.6	2638.2	2612.4
35°	2664.0	2660.0	2616.3	2527.0	2515.1
37.5°	2584.6	2540.9	2505.2	2413.9	2380.1
40°	2489.3	2465.5	2382.1	2294.8	2251.1
42.5°	2384.1	2356.3	2261.0	2167.7	2120.1
45°	2268.9	2249.1	2141.9	2028.8	1995.0
47.5°	2149.8	2132.0	2004.9	1895.8	1852.1
50°	2034.7	2012.9	1860.0	1754.8	1715.1
52.5°	1909.6	1873.9	1723.1	1619.8	1582.1
55°	1780.6	1727.0	1582.1	1488.8	1437.2
57.5°	1643.6	1594.0	1433.2	1336.0	1294.3
60°	1524.5	1455.1	1290.3	1191.0	1137.5
62.5°	1371.7	1312.1	1155.3	1038.2	1012.4
65°	1244.6	1151.3	1000.5	893.3	859.5
67.5°	1115.6	1006.4	853.6	744.4	726.5
70°	974.7	861.5	704.7	597.5	567.7
72.5°	831.7	720.6	567.7	454.6	436.7
75°	692.8	565.7	420.8	333.5	295.8
77.5°	541.9	426.8	295.8	204.5	180.6
80°	403.0	287.8	170.7	121.1	119.1
82.5°	264.0	166.7	91.3	93.3	89.3
85°	135.0	71.5	61.5	59.6	57.6
87.5°	25.8	27.8	29.8	29.8	29.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)