

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: P1050606

Luminaire Tested: 24PTR-100-PB1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050606
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PB1-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

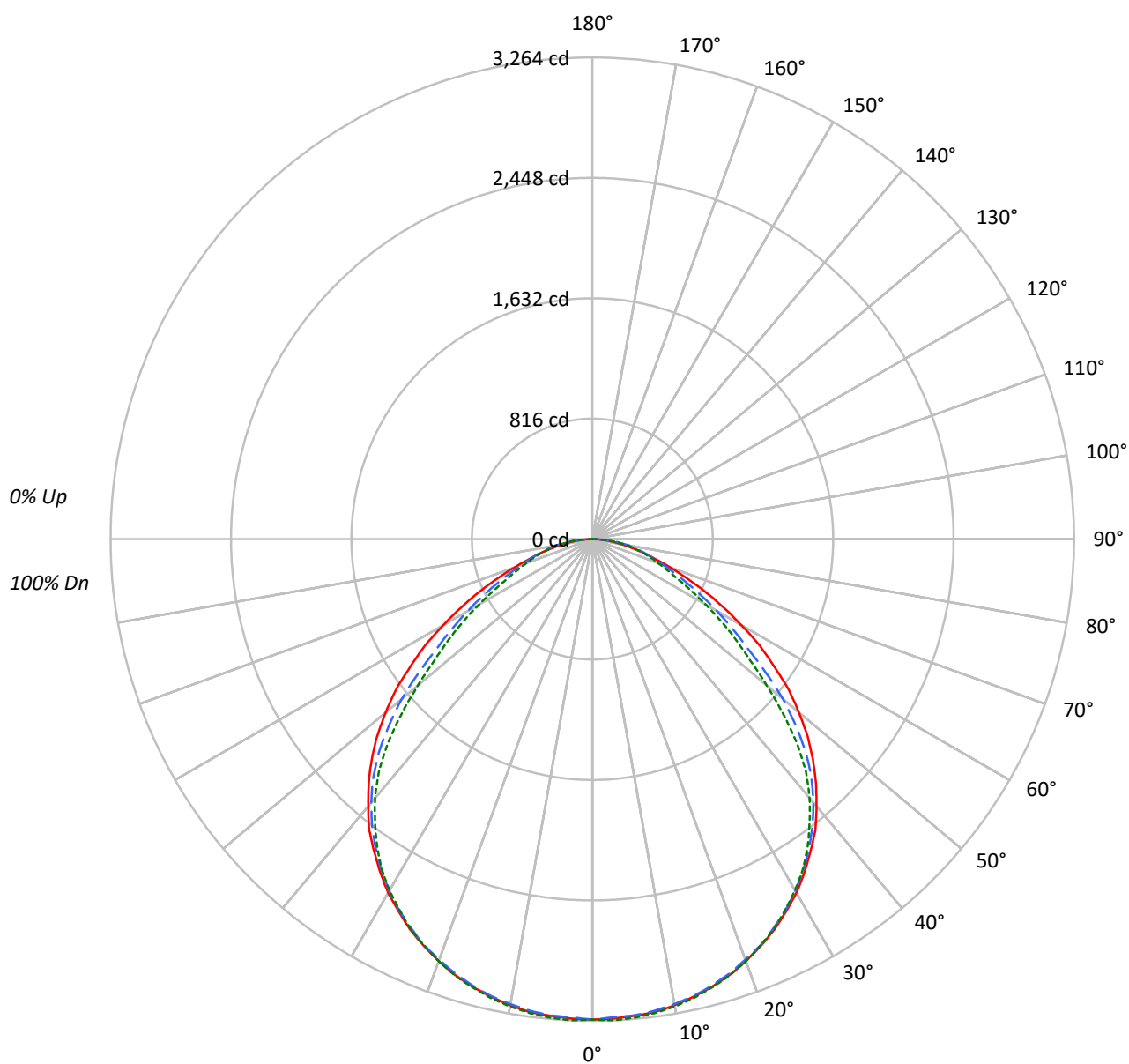
Lumens per Lamp: N/A
Luminaire Lumens: 8117.9 lumens
Efficiency: N/A
Efficacy: 95.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 85
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	100		
1	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4380	4380	4380
5°	4381	4375	4397
10°	4382	4372	4393
15°	4373	4362	4378
20°	4358	4341	4358
25°	4334	4316	4328
30°	4299	4274	4268
35°	4236	4203	4177
40°	4150	4094	4023
45°	4023	3893	3733
50°	3823	3529	3227
55°	3523	2997	2780
60°	3136	2619	2381
65°	2690	2270	2028
70°	2221	2001	1859
75°	1873	1915	1812
80°	1583	1954	1863
85°	1240	1979	1732

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.7	3.8
10°-20°	885.7	10.9
20°-30°	1341.7	16.5
30°-40°	1598.7	19.7
40°-50°	1563.4	19.3
50°-60°	1182.5	14.6
60°-70°	726.5	8.9
70°-80°	387.1	4.8
80°-90°	123.5	1.5
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°	2536.2	31.2
0°-40°	4134.9	50.9
0°-60°	6880.8	84.8
0°-90°	8117.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8117.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3256	3256	3256	3256	3256	
5°	3243	3248	3240	3252	3256	309
15°	3140	3143	3132	3143	3143	886
25°	2919	2915	2907	2911	2915	1344
35°	2579	2575	2559	2547	2543	1613
45°	2114	2102	2046	1978	1962	1626
55°	1502	1426	1278	1205	1185	1345
65°	845	777	713	657	637	841
75°	360	364	368	356	348	386
85°	80	104	128	120	112	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3255.6	3255.6	3255.6	3255.6	3255.6
2.5°	3251.8	3255.6	3243.4	3259.8	3263.6
5°	3243.4	3247.6	3239.6	3251.8	3255.6
7.5°	3231.6	3231.6	3223.6	3235.4	3239.6
10°	3207.6	3207.6	3199.7	3211.4	3215.6
12.5°	3175.7	3175.7	3171.5	3179.5	3183.7
15°	3139.5	3143.3	3131.6	3143.3	3143.3
17.5°	3095.4	3091.6	3087.4	3095.4	3099.6
20°	3043.3	3043.3	3031.5	3039.5	3043.3
22.5°	2983.2	2983.2	2979.4	2983.2	2979.4
25°	2919.3	2915.0	2907.1	2911.3	2915.0
27.5°	2843.2	2843.2	2835.2	2835.2	2831.0
30°	2767.1	2762.9	2751.1	2743.1	2746.9
32.5°	2675.0	2670.8	2659.0	2651.0	2654.8
35°	2578.7	2574.9	2559.0	2546.8	2543.0
37.5°	2482.9	2470.7	2450.5	2434.5	2418.6
40°	2362.6	2350.5	2330.7	2294.5	2290.3
42.5°	2242.4	2230.6	2198.3	2154.5	2142.4
45°	2114.2	2102.4	2046.1	1978.0	1962.0
47.5°	1978.0	1958.2	1869.9	1785.9	1753.9
50°	1826.2	1790.1	1685.8	1577.8	1541.6
52.5°	1677.8	1613.9	1477.7	1381.4	1345.7
55°	1501.7	1425.6	1277.6	1205.3	1185.1
57.5°	1345.7	1241.4	1121.2	1049.3	1033.3
60°	1165.3	1069.1	973.2	908.9	884.9
62.5°	1001.0	916.9	837.0	780.7	752.9
65°	845.0	776.9	713.0	656.7	636.9
67.5°	692.8	656.7	604.5	560.8	548.6
70°	564.6	544.4	508.7	488.5	472.5
72.5°	448.6	456.6	432.6	424.6	412.4
75°	360.3	364.5	368.3	356.5	348.5
77.5°	272.4	292.2	308.2	300.2	292.2
80°	204.3	224.1	252.2	240.5	240.5
82.5°	140.0	164.4	188.3	180.4	176.1
85°	80.3	104.3	128.2	120.2	112.2
87.5°	32.0	52.1	55.9	55.9	52.1
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)