

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: P1050980

Luminaire Tested: 24PTR-100-PR1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PR1-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

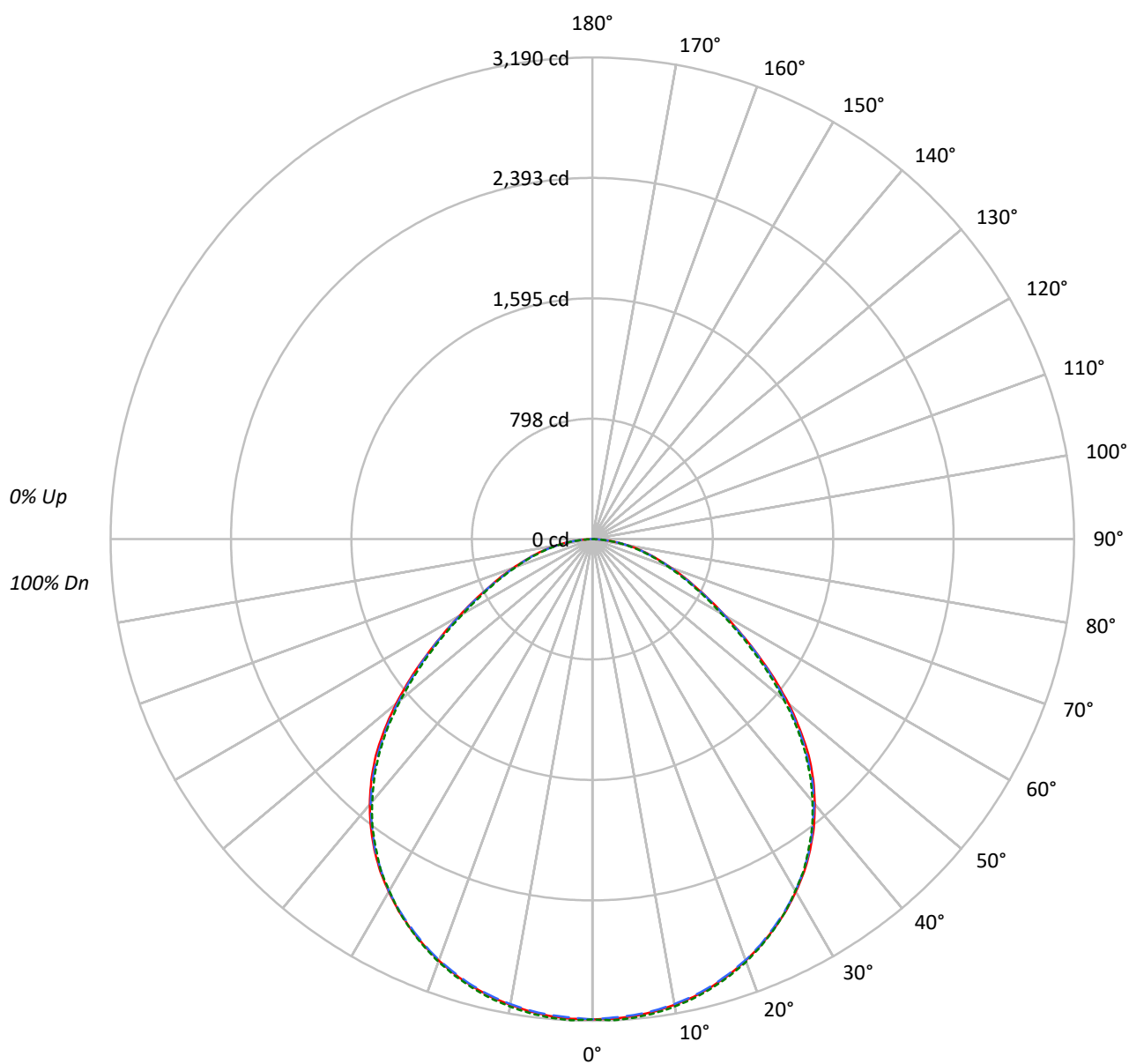
Lumens per Lamp: N/A
Luminaire Lumens: 8043.3 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4279	4279	4279
5°	4283	4274	4297
10°	4280	4272	4295
15°	4271	4265	4285
20°	4254	4248	4265
25°	4226	4216	4231
30°	4188	4183	4178
35°	4131	4121	4104
40°	4026	4010	3982
45°	3859	3815	3788
50°	3550	3510	3467
55°	3142	3128	3067
60°	2731	2721	2647
65°	2407	2392	2344
70°	2183	2152	2108
75°	2022	1974	1938
80°	1845	1819	1759
85°	1457	1445	1388

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3859 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.7	3.8
10°-20°	865.9	10.8
20°-30°	1311.8	16.3
30°-40°	1566.0	19.5
40°-50°	1540.1	19.1
50°-60°	1190.3	14.8
60°-70°	750.6	9.3
70°-80°	406.0	5.0
80°-90°	110.9	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°	2479.4	30.8
0°-40°	4045.4	50.3
0°-60°	6775.8	84.2
0°-90°	8043.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8043.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3180	3180	3180	3180	3180	
5°	3171	3172	3164	3178	3182	301
15°	3066	3067	3062	3072	3076	865
25°	2847	2849	2840	2849	2850	1312
35°	2515	2516	2509	2506	2499	1570
45°	2028	2020	2005	1989	1990	1553
55°	1339	1351	1334	1312	1308	1202
65°	756	757	751	738	736	761
75°	389	384	380	382	373	413
85°	94	96	94	94	90	112
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3180.4	3180.4	3180.4	3180.4	3180.4
2.5°	3179.2	3180.4	3171.3	3186.2	3189.5
5°	3171.3	3172.5	3164.3	3177.9	3181.7
7.5°	3155.2	3157.6	3149.8	3163.4	3166.8
10°	3132.4	3134.9	3127.0	3140.7	3144.0
12.5°	3104.2	3105.0	3098.4	3110.8	3114.2
15°	3066.5	3067.3	3062.0	3071.9	3076.5
17.5°	3023.0	3024.3	3016.4	3028.8	3030.9
20°	2970.8	2971.7	2967.1	2977.5	2978.7
22.5°	2912.4	2914.9	2907.9	2917.0	2918.2
25°	2846.6	2848.7	2839.6	2848.7	2849.9
27.5°	2777.0	2777.8	2770.0	2777.0	2775.8
30°	2695.8	2702.9	2692.5	2690.0	2689.2
32.5°	2611.8	2612.6	2602.6	2600.2	2604.7
35°	2514.8	2515.7	2509.0	2505.7	2498.7
37.5°	2408.8	2408.8	2396.0	2393.9	2392.7
40°	2292.4	2291.2	2283.3	2275.5	2267.2
42.5°	2165.7	2168.2	2152.0	2138.4	2136.3
45°	2027.8	2019.9	2005.0	1989.3	1990.5
47.5°	1865.0	1867.1	1846.8	1833.9	1830.6
50°	1696.0	1696.0	1677.0	1663.3	1656.3
52.5°	1519.6	1520.8	1502.6	1484.4	1480.7
55°	1339.4	1350.6	1333.6	1312.1	1307.5
57.5°	1170.9	1180.0	1163.8	1141.0	1139.8
60°	1014.7	1015.5	1011.0	989.5	983.7
62.5°	881.4	875.6	873.1	861.9	854.8
65°	755.9	757.1	751.3	738.5	736.4
67.5°	654.4	653.1	642.8	634.9	630.4
70°	555.0	551.7	547.1	540.5	535.9
72.5°	466.4	466.4	462.6	460.6	452.7
75°	388.9	384.4	379.8	381.9	372.8
77.5°	314.8	310.2	306.5	301.9	299.9
80°	238.1	233.6	234.8	227.8	227.0
82.5°	165.3	165.3	163.2	157.4	158.6
85°	94.4	95.7	93.6	94.4	89.9
87.5°	34.4	35.2	37.7	35.2	35.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)