

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: P1050991

Luminaire Tested: 24PTR-100-PR1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050991
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-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

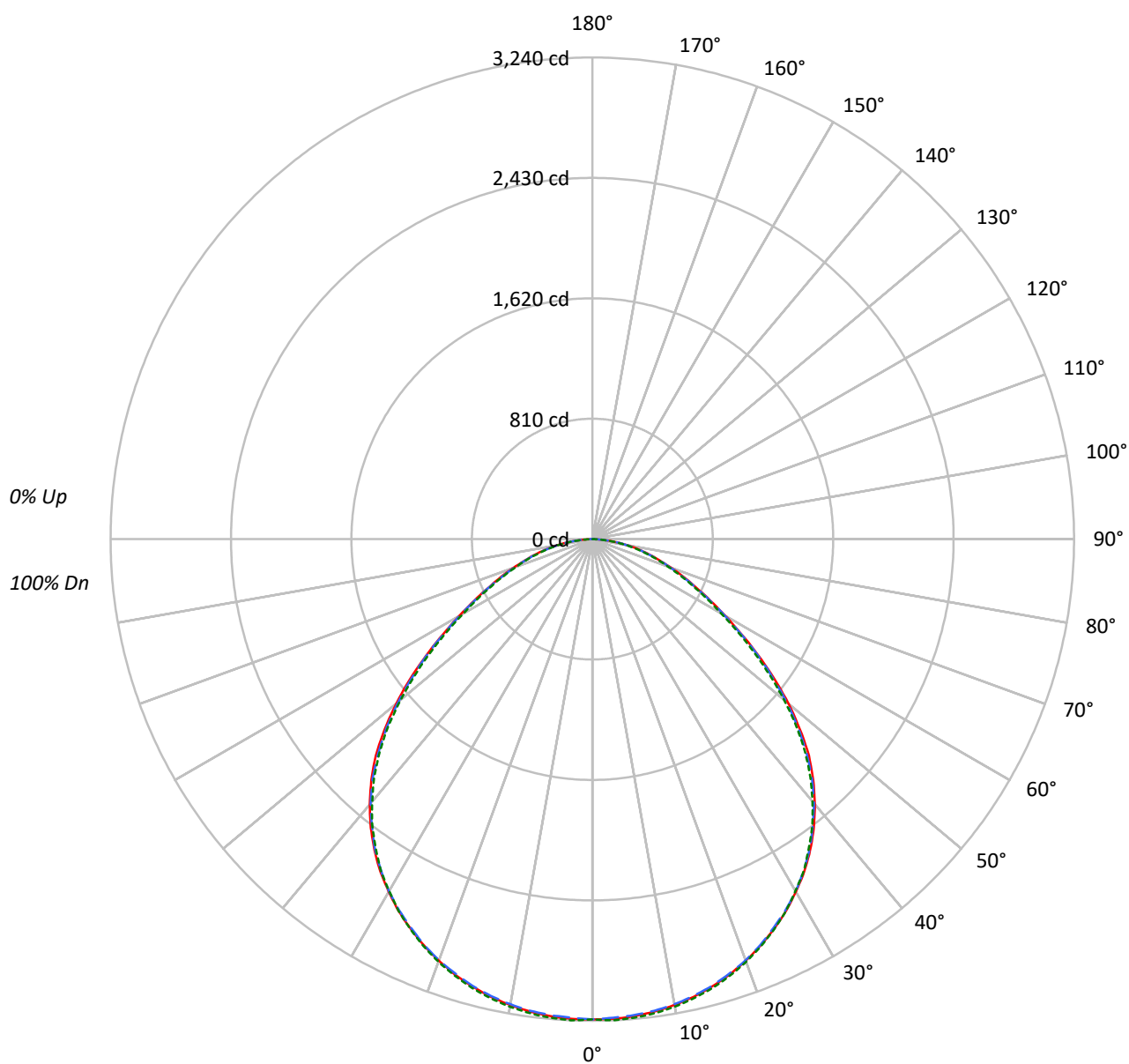
Lumens per Lamp: N/A
Luminaire Lumens: 8171.3 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4347	4347	4347
5°	4351	4342	4366
10°	4348	4340	4364
15°	4339	4333	4354
20°	4321	4316	4333
25°	4293	4283	4298
30°	4255	4250	4245
35°	4197	4187	4170
40°	4091	4074	4046
45°	3920	3876	3848
50°	3607	3566	3522
55°	3192	3178	3116
60°	2774	2764	2689
65°	2445	2430	2382
70°	2218	2186	2142
75°	2054	2006	1969
80°	1874	1849	1787
85°	1480	1468	1409

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3920 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	306.5	3.8
10°-20°	879.7	10.8
20°-30°	1332.7	16.3
30°-40°	1591.0	19.5
40°-50°	1564.6	19.1
50°-60°	1209.3	14.8
60°-70°	762.5	9.3
70°-80°	412.5	5.0
80°-90°	112.7	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°	2518.9	30.8
0°-40°	4109.8	50.3
0°-60°	6883.7	84.2
0°-90°	8171.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8171.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3231	3231	3231	3231	3231	
5°	3222	3223	3215	3228	3232	306
15°	3115	3116	3111	3121	3125	879
25°	2892	2894	2885	2894	2895	1333
35°	2555	2556	2549	2546	2538	1595
45°	2060	2052	2037	2021	2022	1578
55°	1361	1372	1355	1333	1328	1221
65°	768	769	763	750	748	773
75°	395	390	386	388	379	420
85°	96	97	95	96	91	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3231.0	3231.0	3231.0	3231.0	3231.0
2.5°	3229.8	3231.0	3221.8	3236.9	3240.3
5°	3221.8	3223.1	3214.6	3228.5	3232.3
7.5°	3205.4	3207.9	3199.9	3213.8	3217.2
10°	3182.2	3184.8	3176.8	3190.7	3194.0
12.5°	3153.6	3154.5	3147.7	3160.4	3163.7
15°	3115.3	3116.2	3110.7	3120.8	3125.4
17.5°	3071.2	3072.4	3064.4	3077.0	3079.2
20°	3018.1	3019.0	3014.4	3024.9	3026.1
22.5°	2958.8	2961.3	2954.2	2963.4	2964.7
25°	2891.9	2894.0	2884.8	2894.0	2895.3
27.5°	2821.2	2822.1	2814.1	2821.2	2820.0
30°	2738.8	2745.9	2735.4	2732.9	2732.0
32.5°	2653.3	2654.2	2644.1	2641.6	2646.2
35°	2554.9	2555.7	2549.0	2545.6	2538.5
37.5°	2447.2	2447.2	2434.1	2432.0	2430.8
40°	2328.9	2327.7	2319.7	2311.7	2303.3
42.5°	2200.2	2202.7	2186.3	2172.4	2170.3
45°	2060.1	2052.1	2036.9	2020.9	2022.2
47.5°	1894.7	1896.8	1876.2	1863.1	1859.8
50°	1723.0	1723.0	1703.7	1689.8	1682.6
52.5°	1543.8	1545.0	1526.5	1508.0	1504.2
55°	1360.8	1372.1	1354.9	1333.0	1328.4
57.5°	1189.5	1198.8	1182.3	1159.2	1157.9
60°	1030.9	1031.7	1027.1	1005.2	999.3
62.5°	895.4	889.5	887.0	875.6	868.5
65°	767.9	769.2	763.3	750.2	748.1
67.5°	664.8	663.5	653.0	645.0	640.4
70°	563.8	560.5	555.8	549.1	544.5
72.5°	473.8	473.8	470.0	467.9	459.9
75°	395.1	390.5	385.8	387.9	378.7
77.5°	319.8	315.2	311.4	306.7	304.6
80°	241.9	237.3	238.6	231.4	230.6
82.5°	167.9	167.9	165.8	159.9	161.2
85°	95.9	97.2	95.1	95.9	91.3
87.5°	34.9	35.8	38.3	35.8	35.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)