

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: P1050947

Luminaire Tested: 24PTR-100-PR1-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050947
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-L835-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

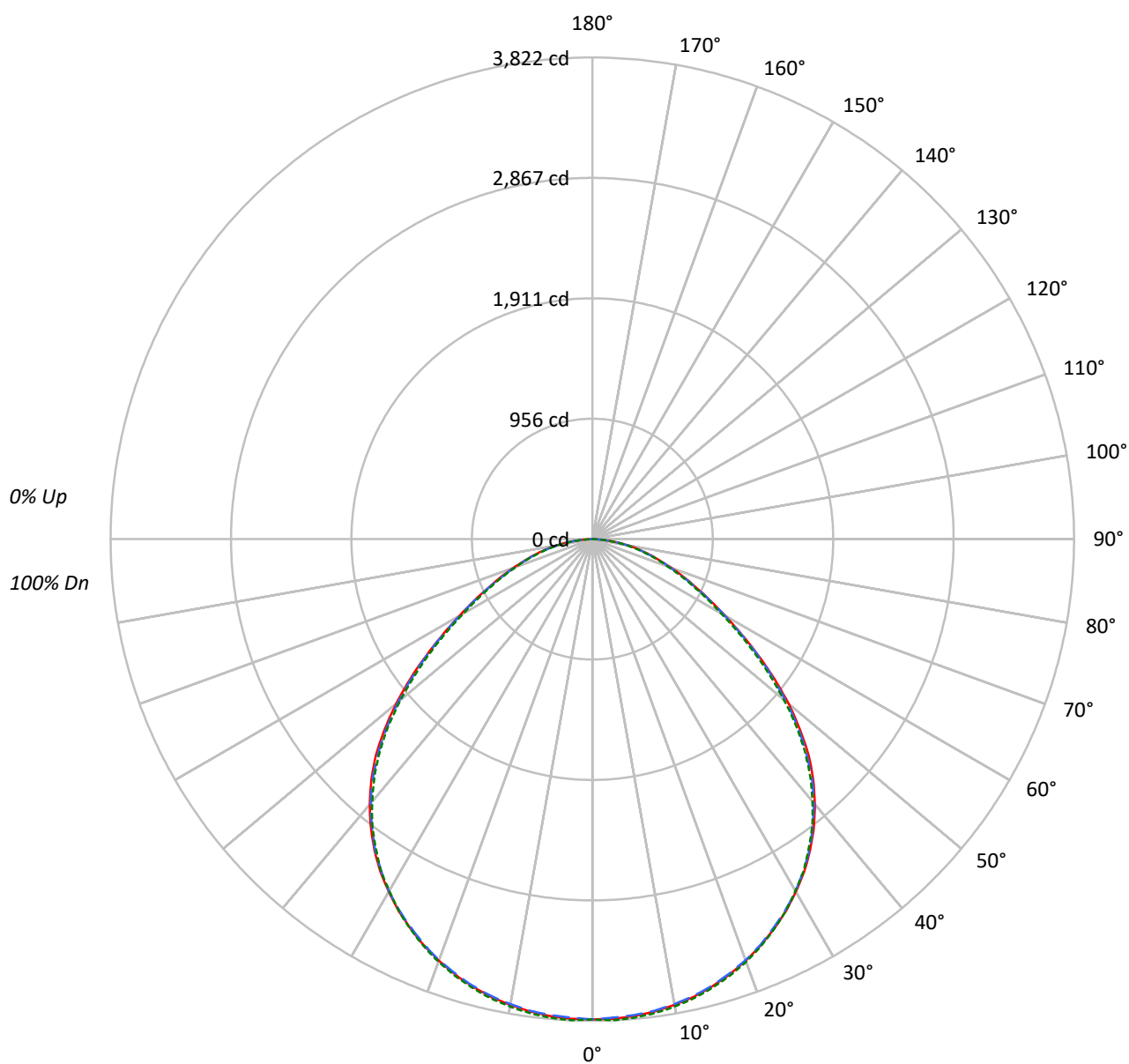
Lumens per Lamp: N/A
Luminaire Lumens: 9636.9 lumens
Efficiency: N/A
Efficacy: 113.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	5127	5127	5127
5°	5132	5121	5149
10°	5128	5119	5147
15°	5118	5110	5134
20°	5097	5090	5110
25°	5063	5051	5069
30°	5018	5012	5006
35°	4949	4938	4917
40°	4824	4805	4771
45°	4623	4571	4538
50°	4254	4206	4154
55°	3765	3748	3675
60°	3272	3260	3172
65°	2883	2866	2809
70°	2616	2579	2526
75°	2423	2365	2322
80°	2211	2180	2107
85°	1746	1731	1663

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4623 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	361.4	3.8
10°-20°	1037.5	10.8
20°-30°	1571.7	16.3
30°-40°	1876.3	19.5
40°-50°	1845.2	19.1
50°-60°	1426.2	14.8
60°-70°	899.3	9.3
70°-80°	486.4	5.0
80°-90°	132.9	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°	2970.7	30.8
0°-40°	4847.0	50.3
0°-60°	8118.4	84.2
0°-90°	9636.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9636.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3811	3811	3811	3811	3811	
5°	3800	3801	3791	3808	3812	361
15°	3674	3675	3669	3681	3686	1037
25°	3411	3413	3402	3413	3415	1572
35°	3013	3014	3006	3002	2994	1881
45°	2430	2420	2402	2383	2385	1860
55°	1605	1618	1598	1572	1567	1440
65°	906	907	900	885	882	911
75°	466	460	455	458	447	495
85°	113	115	112	113	108	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3810.6	3810.6	3810.6	3810.6	3810.6
2.5°	3809.1	3810.6	3799.7	3817.5	3821.5
5°	3799.7	3801.2	3791.2	3807.6	3812.1
7.5°	3780.3	3783.3	3773.9	3790.2	3794.2
10°	3753.0	3756.0	3746.6	3763.0	3766.9
12.5°	3719.3	3720.3	3712.3	3727.2	3731.2
15°	3674.1	3675.1	3668.7	3680.6	3686.0
17.5°	3622.0	3623.5	3614.1	3629.0	3631.5
20°	3559.5	3560.5	3555.0	3567.4	3568.9
22.5°	3489.5	3492.5	3484.1	3495.0	3496.5
25°	3410.6	3413.1	3402.2	3413.1	3414.6
27.5°	3327.3	3328.3	3318.8	3327.3	3325.8
30°	3230.0	3238.4	3226.0	3223.1	3222.1
32.5°	3129.3	3130.3	3118.3	3115.4	3120.8
35°	3013.1	3014.1	3006.2	3002.2	2993.8
37.5°	2886.1	2886.1	2870.7	2868.2	2866.8
40°	2746.7	2745.2	2735.7	2726.3	2716.4
42.5°	2594.8	2597.8	2578.4	2562.1	2559.6
45°	2429.6	2420.1	2402.3	2383.4	2384.9
47.5°	2234.5	2237.0	2212.7	2197.3	2193.4
50°	2032.1	2032.1	2009.3	1992.9	1984.4
52.5°	1820.7	1822.2	1800.3	1778.5	1774.0
55°	1604.8	1618.2	1597.9	1572.1	1566.6
57.5°	1402.9	1413.8	1394.4	1367.1	1365.6
60°	1215.8	1216.8	1211.3	1185.5	1178.6
62.5°	1056.0	1049.0	1046.1	1032.7	1024.2
65°	905.6	907.1	900.2	884.8	882.3
67.5°	784.1	782.6	770.2	760.7	755.3
70°	665.0	661.0	655.5	647.6	642.1
72.5°	558.8	558.8	554.3	551.8	542.4
75°	466.0	460.5	455.0	457.5	446.6
77.5°	377.1	371.7	367.2	361.8	359.3
80°	285.3	279.9	281.4	272.9	271.9
82.5°	198.0	198.0	195.5	188.6	190.1
85°	113.1	114.6	112.1	113.1	107.7
87.5°	41.2	42.2	45.2	42.2	42.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)