

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: P1050639

Luminaire Tested: 24PTR-100-PC3-L835-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PC3-L835-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

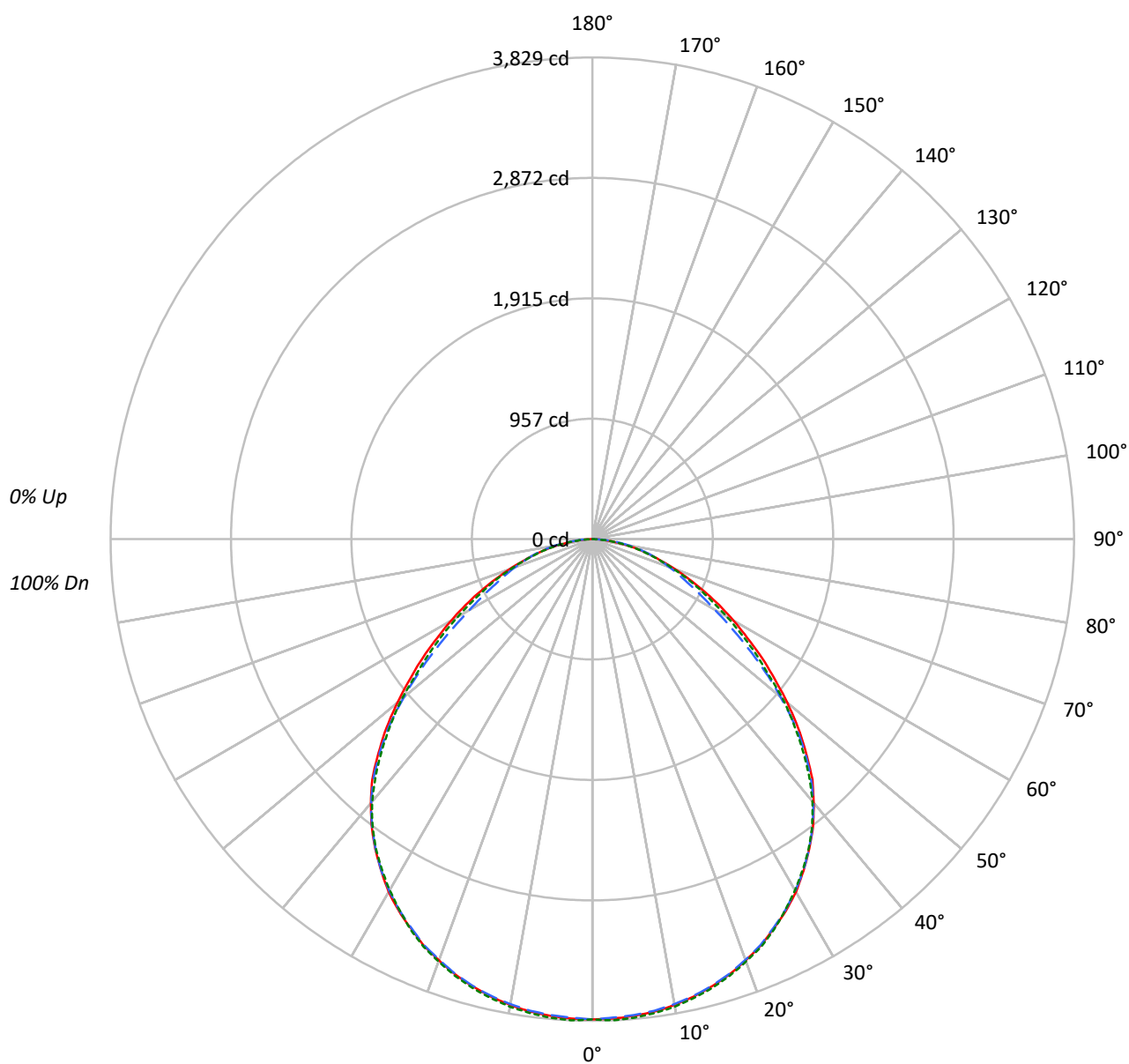
Lumens per Lamp: N/A
Luminaire Lumens: 9625.3 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	27		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5137	5137	5137
5°	5138	5129	5158
10°	5138	5129	5156
15°	5126	5120	5143
20°	5103	5095	5117
25°	5068	5060	5080
30°	5031	5013	5005
35°	4939	4935	4925
40°	4809	4802	4780
45°	4573	4539	4493
50°	4233	4091	4137
55°	3863	3550	3709
60°	3483	3028	3322
65°	3113	2709	2987
70°	2762	2563	2686
75°	2443	2484	2393
80°	2107	2372	2095
85°	1578	1877	1578

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4583 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	362.1	3.8
10°-20°	1039.4	10.8
20°-30°	1573.7	16.3
30°-40°	1876.2	19.5
40°-50°	1833.2	19.0
50°-60°	1401.8	14.6
60°-70°	900.0	9.4
70°-80°	500.7	5.2
80°-90°	138.3	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°	2975.2	30.9
0°-40°	4851.3	50.4
0°-60°	8086.3	84.0
0°-90°	9625.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9625.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3818	3818	3818	3818	3818	
5°	3804	3807	3798	3815	3819	362
15°	3680	3683	3676	3688	3692	1039
25°	3414	3418	3408	3420	3422	1575
35°	3007	3010	3004	3003	2999	1879
45°	2403	2409	2386	2380	2361	1849
55°	1647	1590	1513	1532	1581	1472
65°	978	902	851	879	938	975
75°	470	474	478	471	460	502
85°	102	120	122	118	102	126
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3817.9	3817.9	3817.9	3817.9	3817.9
2.5°	3815.4	3816.9	3806.9	3823.3	3828.8
5°	3804.5	3806.9	3797.5	3815.4	3819.3
7.5°	3788.1	3790.6	3781.1	3799.0	3800.5
10°	3760.8	3762.3	3753.9	3771.7	3774.2
12.5°	3724.1	3728.1	3718.6	3735.0	3736.0
15°	3679.9	3682.9	3676.0	3688.4	3692.3
17.5°	3628.3	3629.8	3622.9	3636.3	3637.8
20°	3563.8	3563.8	3558.4	3573.8	3573.8
22.5°	3498.3	3494.4	3492.9	3498.3	3506.8
25°	3414.0	3418.0	3408.5	3419.5	3421.9
27.5°	3332.1	3332.1	3323.7	3329.2	3322.2
30°	3237.9	3232.4	3226.9	3227.9	3221.5
32.5°	3124.2	3124.2	3121.8	3121.8	3113.3
35°	3007.2	3009.6	3004.2	3002.7	2998.7
37.5°	2881.1	2885.6	2875.7	2873.2	2870.2
40°	2737.7	2737.7	2733.8	2728.3	2721.4
42.5°	2588.9	2588.9	2571.5	2557.6	2548.2
45°	2403.3	2408.8	2385.5	2380.0	2361.2
47.5°	2218.8	2214.8	2183.5	2179.6	2168.7
50°	2022.3	1999.0	1954.3	1966.2	1976.2
52.5°	1825.8	1797.0	1731.6	1745.0	1761.3
55°	1646.7	1589.7	1513.3	1532.1	1581.2
57.5°	1459.7	1383.3	1306.9	1342.6	1403.6
60°	1294.5	1208.6	1125.3	1163.5	1234.4
62.5°	1136.2	1044.9	977.9	1014.6	1074.7
65°	977.9	902.5	850.9	879.2	938.2
67.5°	833.0	782.4	747.2	760.6	808.2
70°	702.0	670.3	651.4	655.4	682.7
72.5°	577.5	569.6	562.6	562.6	565.1
75°	469.9	473.8	477.8	471.3	460.4
77.5°	370.1	383.5	393.4	379.6	366.2
80°	271.9	293.7	306.1	290.7	270.4
82.5°	185.6	210.4	214.3	204.9	181.6
85°	102.2	120.1	121.6	117.6	102.2
87.5°	38.2	45.1	49.1	45.1	39.7
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)