

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: P1050903

Luminaire Tested: 24PTR-100-PP3-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PP3-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

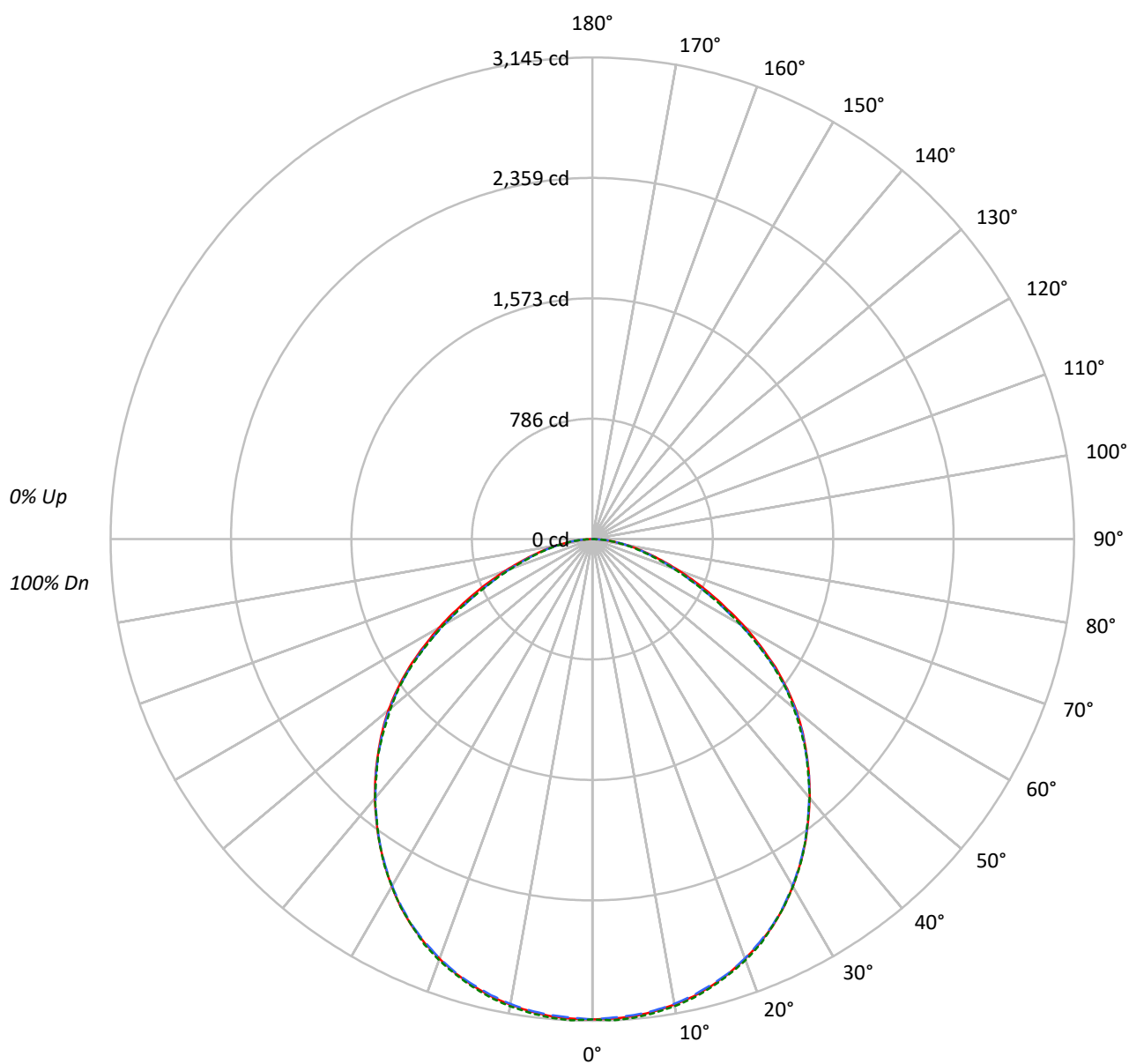
Lumens per Lamp: N/A
Luminaire Lumens: 8101.5 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4219	4219	4219
5°	4223	4213	4236
10°	4217	4210	4231
15°	4203	4195	4214
20°	4175	4172	4189
25°	4138	4131	4136
30°	4068	4060	4068
35°	3980	3974	3978
40°	3878	3866	3876
45°	3761	3750	3755
50°	3636	3618	3592
55°	3423	3383	3372
60°	3106	3001	3007
65°	2728	2591	2587
70°	2359	2252	2225
75°	2040	1965	1922
80°	1807	1781	1702
85°	1494	1545	1456

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 3775 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.3	3.7
10°-20°	851.9	10.5
20°-30°	1282.5	15.8
30°-40°	1513.7	18.7
40°-50°	1522.4	18.8
50°-60°	1285.2	15.9
60°-70°	825.4	10.2
70°-80°	410.5	5.1
80°-90°	112.5	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°	2431.8	30.0
0°-40°	3945.5	48.7
0°-60°	6753.1	83.4
0°-90°	8101.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8101.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3136	3136	3136	3136	3136	
5°	3126	3127	3119	3134	3136	297
15°	3017	3018	3012	3025	3025	851
25°	2787	2788	2783	2788	2786	1282
35°	2423	2424	2420	2422	2422	1514
45°	1977	1984	1971	1974	1974	1526
55°	1459	1458	1442	1436	1438	1298
65°	857	844	814	806	813	854
75°	392	390	378	374	370	425
85°	97	100	100	94	94	114
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3135.5	3135.5	3135.5	3135.5	3135.5
2.5°	3134.3	3135.5	3127.3	3142.1	3144.6
5°	3126.4	3127.3	3119.4	3134.3	3136.4
7.5°	3110.3	3111.5	3104.5	3118.2	3120.6
10°	3086.3	3090.0	3081.8	3094.6	3096.7
12.5°	3057.0	3058.2	3049.9	3064.8	3067.3
15°	3017.3	3018.1	3011.5	3025.1	3025.1
17.5°	2971.4	2972.6	2968.0	2979.6	2978.4
20°	2915.9	2919.2	2913.5	2921.3	2925.9
22.5°	2855.6	2856.8	2849.8	2860.1	2864.7
25°	2787.3	2788.1	2782.8	2788.1	2786.1
27.5°	2707.5	2709.6	2701.7	2707.5	2708.7
30°	2618.6	2624.4	2613.2	2617.8	2618.6
32.5°	2523.1	2526.4	2518.5	2519.8	2525.5
35°	2423.0	2424.2	2419.7	2421.7	2421.7
37.5°	2315.0	2319.6	2312.6	2315.9	2311.3
40°	2207.9	2203.4	2200.9	2203.4	2206.7
42.5°	2095.0	2096.3	2093.0	2090.5	2085.1
45°	1976.8	1983.8	1971.0	1973.5	1973.5
47.5°	1861.0	1861.8	1855.2	1848.2	1843.6
50°	1736.9	1736.9	1728.6	1723.3	1716.2
52.5°	1601.3	1599.2	1590.1	1584.3	1587.6
55°	1459.0	1457.8	1442.0	1436.3	1437.5
57.5°	1303.1	1305.6	1281.6	1275.8	1275.8
60°	1154.2	1142.6	1115.3	1107.5	1117.4
62.5°	997.9	984.2	954.9	954.9	962.7
65°	856.9	844.5	813.9	805.6	812.6
67.5°	725.0	713.4	685.3	680.7	682.8
70°	599.6	589.7	572.4	562.0	565.7
72.5°	491.7	482.6	471.0	463.2	458.6
75°	392.5	390.4	378.0	374.3	369.7
77.5°	310.6	309.7	299.4	294.9	290.3
80°	233.2	232.0	229.9	222.9	219.6
82.5°	166.2	166.2	165.0	159.2	155.9
85°	96.8	100.1	100.1	94.3	94.3
87.5°	38.9	40.9	38.9	38.9	37.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)