

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: P1050893

Luminaire Tested: 24PTR-90-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050893
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-90-PP3-L850-UNV-STD-W
Description: 9000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

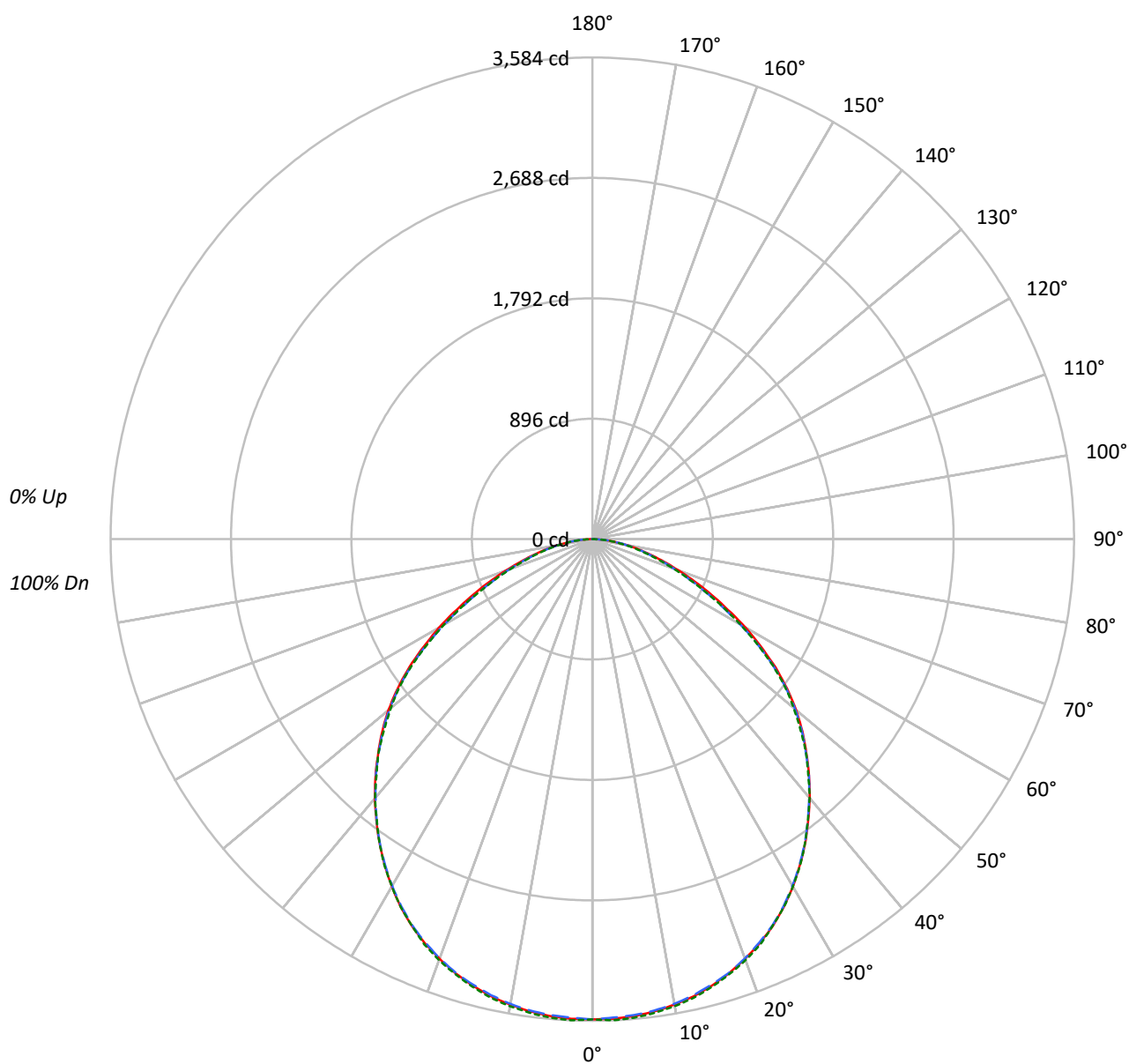
Lumens per Lamp: N/A
Luminaire Lumens: 9232.5 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 76
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°	4808	4808	4808
5°	4812	4801	4827
10°	4805	4798	4821
15°	4790	4780	4802
20°	4758	4754	4774
25°	4716	4708	4714
30°	4636	4627	4636
35°	4536	4529	4533
40°	4419	4405	4417
45°	4286	4274	4279
50°	4143	4124	4094
55°	3900	3855	3843
60°	3540	3421	3427
65°	3109	2953	2948
70°	2688	2566	2536
75°	2325	2240	2190
80°	2060	2030	1939
85°	1703	1761	1660

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 4302 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.9	3.7
10°-20°	970.8	10.5
20°-30°	1461.6	15.8
30°-40°	1725.0	18.7
40°-50°	1734.9	18.8
50°-60°	1464.7	15.9
60°-70°	940.6	10.2
70°-80°	467.8	5.1
80°-90°	128.2	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°	2771.2	30.0
0°-40°	4496.3	48.7
0°-60°	7695.8	83.4
0°-90°	9232.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9232.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3573	3573	3573	3573	3573	
5°	3563	3564	3555	3572	3574	339
15°	3438	3439	3432	3447	3447	970
25°	3176	3177	3171	3177	3175	1462
35°	2761	2763	2758	2760	2760	1726
45°	2253	2261	2246	2249	2249	1739
55°	1663	1661	1643	1637	1638	1479
65°	976	962	928	918	926	974
75°	447	445	431	426	421	484
85°	110	114	114	108	108	130
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3573.3	3573.3	3573.3	3573.3	3573.3
2.5°	3571.9	3573.3	3563.8	3580.8	3583.6
5°	3562.9	3563.8	3554.9	3571.9	3574.2
7.5°	3544.5	3545.9	3537.9	3553.5	3556.3
10°	3517.2	3521.4	3512.0	3526.6	3529.0
12.5°	3483.7	3485.1	3475.7	3492.7	3495.5
15°	3438.5	3439.4	3431.9	3447.4	3447.4
17.5°	3386.2	3387.6	3382.4	3395.6	3394.2
20°	3323.0	3326.8	3320.2	3329.1	3334.3
22.5°	3254.2	3255.6	3247.6	3259.4	3264.6
25°	3176.5	3177.4	3171.3	3177.4	3175.0
27.5°	3085.5	3087.9	3078.9	3085.5	3086.9
30°	2984.2	2990.8	2978.0	2983.2	2984.2
32.5°	2875.3	2879.1	2870.1	2871.5	2878.1
35°	2761.3	2762.7	2757.5	2759.8	2759.8
37.5°	2638.2	2643.4	2635.4	2639.2	2634.0
40°	2516.2	2511.0	2508.2	2511.0	2514.8
42.5°	2387.5	2388.9	2385.2	2382.3	2376.2
45°	2252.7	2260.7	2246.1	2249.0	2249.0
47.5°	2120.8	2121.7	2114.2	2106.2	2101.0
50°	1979.4	1979.4	1970.0	1963.8	1955.8
52.5°	1824.8	1822.5	1812.1	1805.5	1809.3
55°	1662.7	1661.3	1643.4	1636.8	1638.2
57.5°	1485.0	1487.8	1460.5	1453.9	1453.9
60°	1315.4	1302.2	1271.1	1262.1	1273.4
62.5°	1137.2	1121.7	1088.2	1088.2	1097.1
65°	976.5	962.4	927.5	918.1	926.1
67.5°	826.2	813.0	780.9	775.7	778.1
70°	683.4	672.1	652.3	640.5	644.7
72.5°	560.4	550.0	536.8	527.8	522.7
75°	447.2	444.9	430.8	426.5	421.3
77.5°	353.9	353.0	341.2	336.0	330.8
80°	265.8	264.4	262.0	254.0	250.3
82.5°	189.5	189.5	188.0	181.4	177.7
85°	110.3	114.1	114.1	107.5	107.5
87.5°	44.3	46.7	44.3	44.3	42.9
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)