

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: P1050848

Luminaire Tested: 24PTR-100-PLG-L940-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050848
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PLG-L940-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

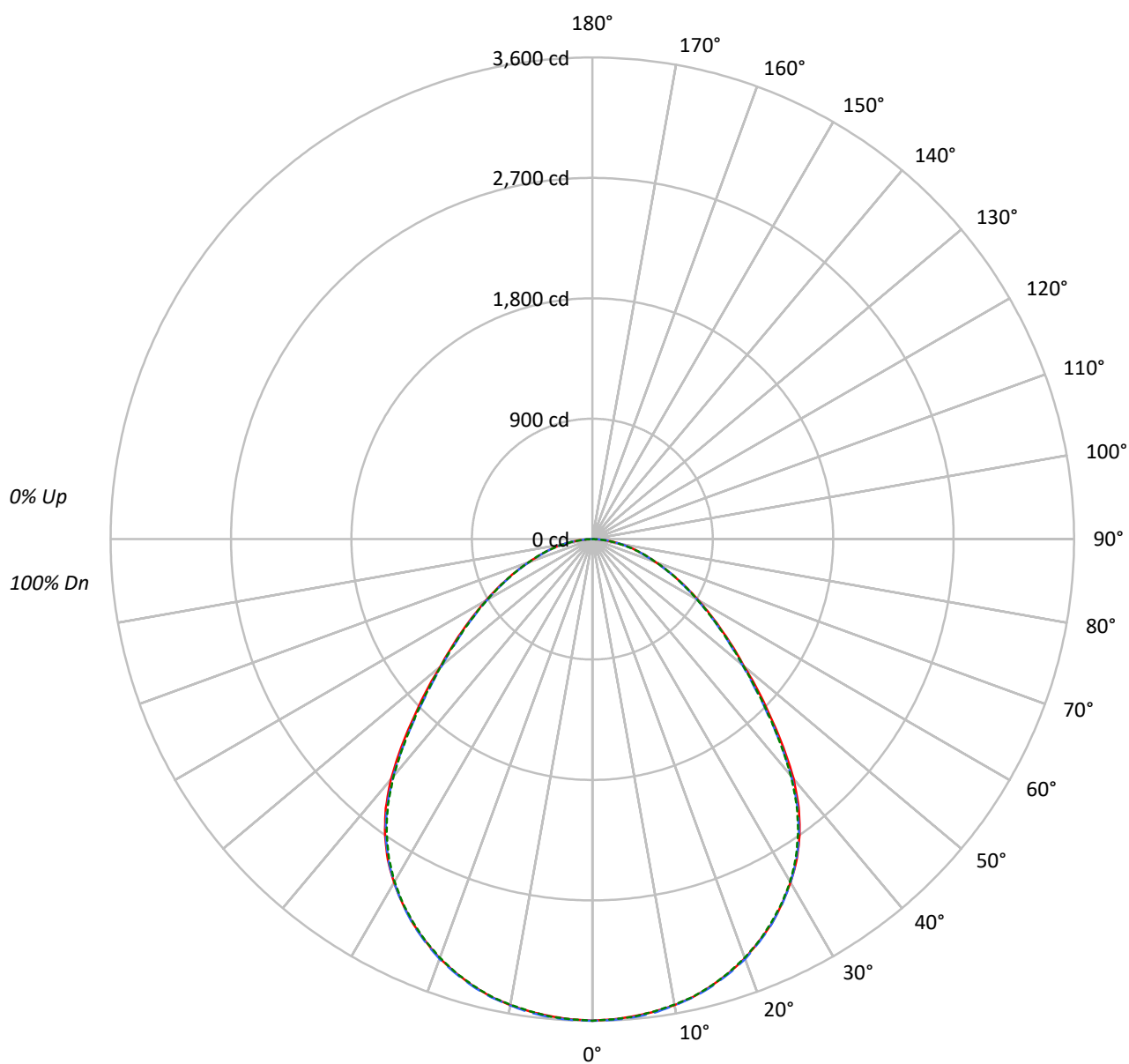
Lumens per Lamp: N/A
Luminaire Lumens: 8111.6 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86	84	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74	72	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64	62	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56	54	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	47	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43	41	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39	37	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35	33	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32	30	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29	27	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4844	4844	4844
5°	4834	4845	4838
10°	4831	4835	4828
15°	4812	4819	4808
20°	4774	4781	4767
25°	4707	4711	4696
30°	4605	4605	4593
35°	4436	4423	4402
40°	4111	4066	4052
45°	3593	3534	3549
50°	3102	3064	3080
55°	2757	2715	2721
60°	2468	2434	2434
65°	2212	2196	2204
70°	1990	1970	1990
75°	1846	1820	1846
80°	1722	1702	1643
85°	1459	1459	1301

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3593 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.8	4.2
10°-20°	975.2	12.0
20°-30°	1459.2	18.0
30°-40°	1671.9	20.6
40°-50°	1445.9	17.8
50°-60°	1046.5	12.9
60°-70°	689.3	8.5
70°-80°	375.2	4.6
80°-90°	107.5	1.3
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°	2775.3	34.2
0°-40°	4447.2	54.8
0°-60°	6939.6	85.6
0°-90°	8111.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8111.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3600	3600	3600	3600	3600	
5°	3579	3587	3587	3587	3582	340
15°	3454	3457	3459	3464	3452	974
25°	3171	3171	3173	3176	3163	1458
35°	2701	2698	2693	2690	2680	1678
45°	1888	1883	1857	1855	1865	1462
55°	1175	1170	1157	1150	1160	1058
65°	695	700	690	685	692	694
75°	355	355	350	350	355	378
85°	94	94	94	97	84	109
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3599.9	3599.9	3599.9	3599.9	3599.9
2.5°	3592.2	3599.9	3597.3	3599.9	3592.2
5°	3579.4	3587.1	3587.1	3587.1	3582.0
7.5°	3561.6	3566.7	3569.2	3571.8	3559.0
10°	3536.0	3541.1	3538.6	3543.7	3533.5
12.5°	3502.8	3502.8	3505.4	3510.5	3500.2
15°	3454.3	3456.8	3459.4	3464.5	3451.7
17.5°	3398.0	3400.6	3403.2	3405.7	3395.5
20°	3334.2	3334.2	3339.3	3341.8	3329.1
22.5°	3255.0	3255.0	3260.1	3267.7	3252.4
25°	3170.7	3170.7	3173.2	3175.8	3163.0
27.5°	3071.0	3071.0	3073.6	3081.2	3065.9
30°	2963.7	2961.2	2963.7	2966.3	2956.0
32.5°	2843.6	2841.1	2838.5	2841.1	2828.3
35°	2700.6	2698.0	2692.9	2690.3	2680.1
37.5°	2534.5	2529.4	2519.2	2519.2	2508.9
40°	2340.3	2327.5	2314.8	2309.6	2307.1
42.5°	2115.5	2105.3	2087.4	2084.8	2084.8
45°	1888.1	1883.0	1857.4	1854.9	1865.1
47.5°	1683.7	1670.9	1647.9	1642.8	1658.1
50°	1481.9	1484.4	1464.0	1456.3	1471.6
52.5°	1323.4	1318.3	1300.5	1295.3	1308.1
55°	1175.3	1170.2	1157.4	1149.7	1159.9
57.5°	1039.9	1037.3	1024.5	1022.0	1027.1
60°	917.2	914.7	904.4	901.9	904.4
62.5°	802.2	802.2	792.0	786.9	794.6
65°	694.9	700.0	689.8	684.7	692.4
67.5°	597.9	603.0	592.7	587.6	597.9
70°	505.9	511.0	500.8	495.7	505.9
72.5°	426.7	429.2	421.6	419.0	431.8
75°	355.1	355.1	350.0	350.0	355.1
77.5°	288.7	286.2	283.6	283.6	278.5
80°	222.3	219.7	219.7	219.7	212.1
82.5°	158.4	153.3	155.9	158.4	145.6
85°	94.5	94.5	94.5	97.1	84.3
87.5°	38.3	38.3	35.8	38.3	33.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)