

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: P1050529

Luminaire Tested: 24PTR-100-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

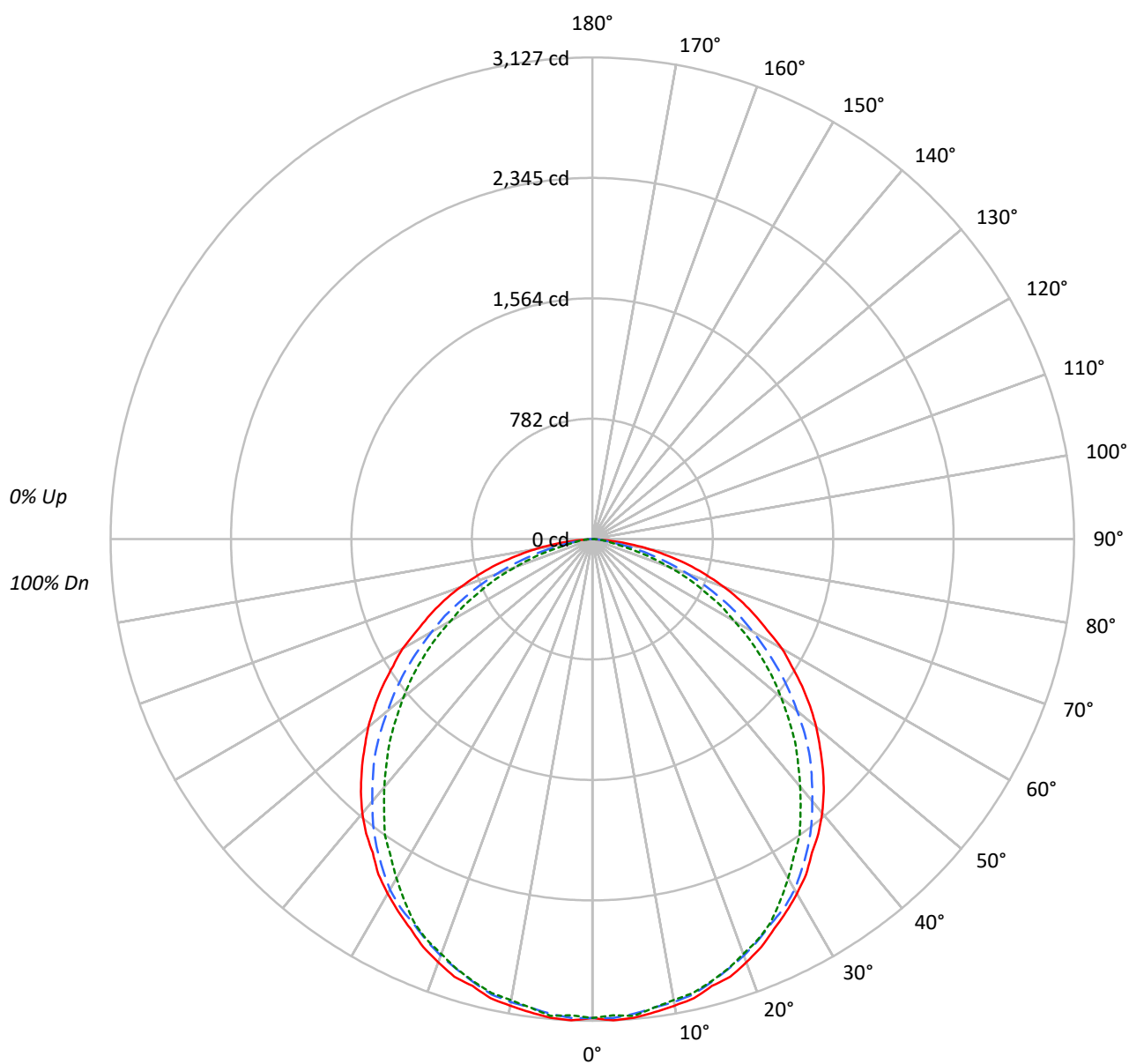
Lumens per Lamp: N/A
Luminaire Lumens: 8280.3 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4183	4183	4183
5°	4214	4179	4196
10°	4202	4169	4151
15°	4183	4150	4142
20°	4186	4120	4104
25°	4145	4085	4071
30°	4128	4082	3950
35°	4081	4008	3853
40°	4078	3902	3688
45°	4027	3801	3541
50°	3972	3631	3349
55°	3896	3461	3145
60°	3826	3238	2855
65°	3696	2971	2552
70°	3576	2586	2083
75°	3359	2040	1434
80°	2912	1234	861
85°	1944	886	829

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4027 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	294.7	3.6
10°-20°	843.2	10.2
20°-30°	1273.7	15.4
30°-40°	1514.3	18.3
40°-50°	1535.8	18.5
50°-60°	1333.7	16.1
60°-70°	946.8	11.4
70°-80°	452.4	5.5
80°-90°	85.8	1.0
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°	2411.5	29.1
0°-40°	3925.9	47.4
0°-60°	6795.4	82.1
0°-90°	8280.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8280.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3109	3109	3109	3109	3109	
5°	3120	3109	3094	3101	3107	296
15°	3003	3010	2979	2975	2973	851
25°	2792	2788	2751	2762	2742	1290
35°	2485	2481	2440	2357	2346	1561
45°	2116	2098	1998	1892	1861	1632
55°	1661	1611	1476	1389	1340	1484
65°	1161	1074	933	833	802	1150
75°	646	528	392	311	276	678
85°	126	67	57	56	54	159
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3108.6	3108.6	3108.6	3108.6	3108.6
2.5°	3127.1	3116.0	3112.3	3125.3	3093.8
5°	3119.7	3108.6	3093.8	3101.2	3106.8
7.5°	3097.5	3088.2	3067.9	3084.5	3067.9
10°	3075.3	3066.0	3051.2	3056.8	3038.2
12.5°	3053.1	3030.8	3027.1	3030.8	3017.9
15°	3003.1	3010.5	2979.0	2975.3	2973.4
17.5°	2979.0	2960.5	2927.2	2929.0	2925.3
20°	2923.5	2901.2	2877.2	2873.5	2866.1
22.5°	2866.1	2840.1	2817.9	2829.0	2812.4
25°	2792.0	2788.3	2751.3	2762.4	2742.0
27.5°	2727.2	2714.2	2697.6	2673.5	2643.9
30°	2656.8	2643.9	2627.2	2564.3	2542.1
32.5°	2582.8	2568.0	2534.6	2460.6	2436.5
35°	2484.7	2481.0	2440.2	2356.9	2345.8
37.5°	2410.6	2369.9	2336.5	2251.4	2219.9
40°	2321.7	2299.5	2221.8	2140.3	2099.6
42.5°	2223.6	2197.7	2108.8	2021.8	1977.4
45°	2116.2	2097.7	1997.7	1892.2	1860.7
47.5°	2005.1	1988.5	1870.0	1768.1	1727.4
50°	1897.7	1877.4	1734.8	1636.7	1599.7
52.5°	1781.1	1747.8	1607.1	1510.8	1475.6
55°	1660.8	1610.8	1475.6	1388.6	1340.5
57.5°	1533.0	1486.7	1336.8	1246.0	1207.2
60°	1421.9	1357.1	1203.4	1110.9	1060.9
62.5°	1279.4	1223.8	1077.6	968.3	944.2
65°	1160.9	1073.8	933.1	833.2	801.7
67.5°	1040.5	938.7	796.1	694.3	677.6
70°	909.1	803.5	657.3	557.3	529.5
72.5°	775.8	672.1	529.5	424.0	407.3
75°	646.2	527.7	392.5	311.0	275.9
77.5°	505.4	398.1	275.9	190.7	168.5
80°	375.8	268.5	159.2	112.9	111.1
82.5°	246.2	155.5	85.2	87.0	83.3
85°	125.9	66.7	57.4	55.5	53.7
87.5°	24.1	25.9	27.8	27.8	27.8
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)