

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: P1051068

Luminaire Tested: 24PTR-100-PW1-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051068
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-100-PW1-L935-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

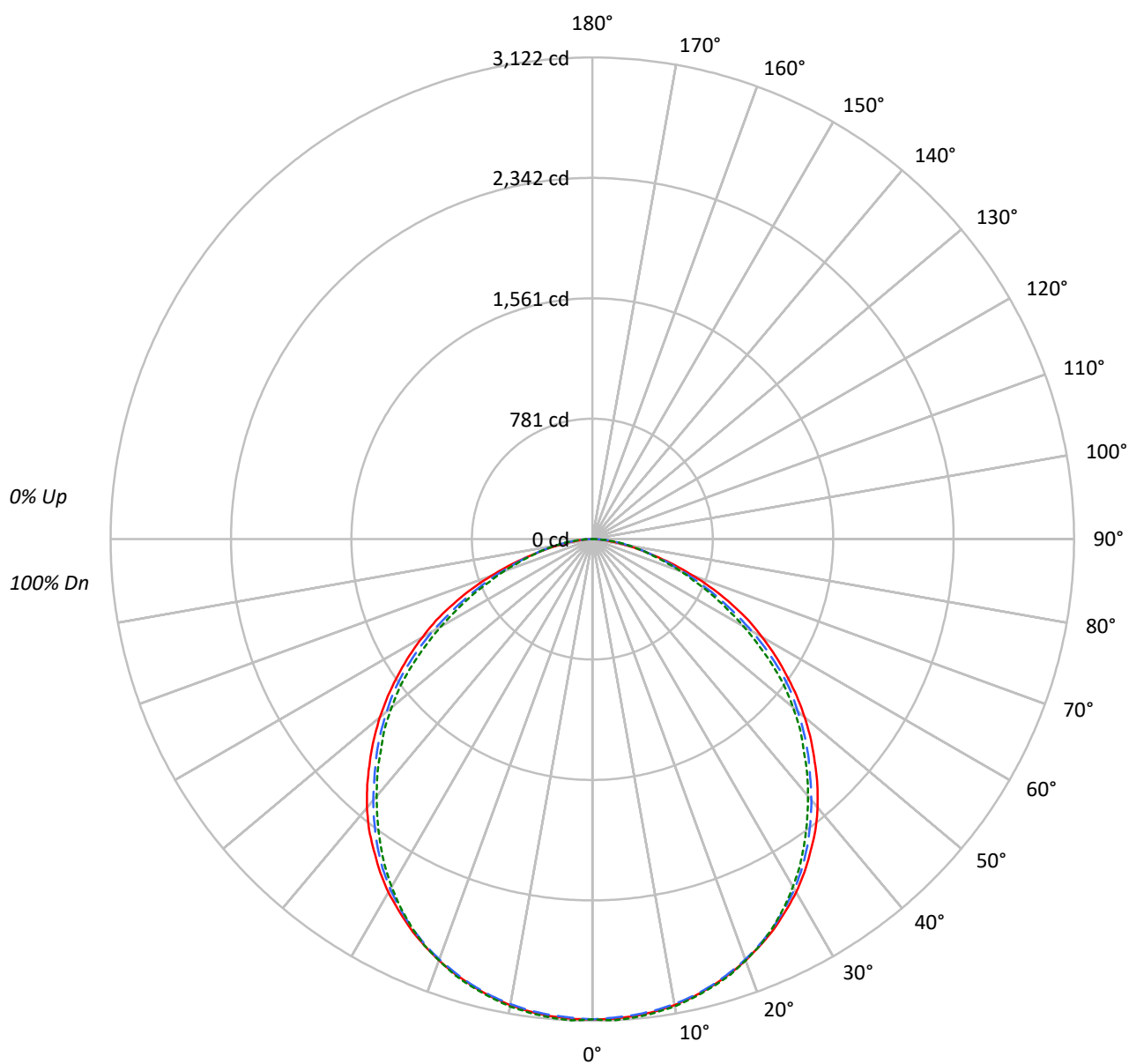
Lumens per Lamp: N/A
Luminaire Lumens: 8261.5 lumens
Efficiency: N/A
Efficacy: 97.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1051068

CATALOG NUMBER: 24PTR-100-PW1-L935-UNV-STD-W

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	95	98	95	92	94	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	74	74	71
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	33	33	31
9	58	44	36	31	56	44	36	31	43	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	28	38	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4189	4189	4189
5°	4192	4183	4205
10°	4190	4181	4202
15°	4178	4171	4187
20°	4160	4151	4160
25°	4138	4120	4117
30°	4106	4070	4041
35°	4051	3990	3939
40°	3989	3880	3819
45°	3879	3764	3687
50°	3761	3638	3554
55°	3605	3483	3344
60°	3418	3216	3048
65°	3161	2872	2729
70°	2740	2500	2406
75°	2188	2140	2081
80°	1663	1858	1858
85°	1229	1585	1585

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3879 cd/sqm

TEST NUMBER: P1051068

CATALOG NUMBER: 24PTR-100-PW1-L935-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.2	3.6
10°-20°	846.8	10.2
20°-30°	1279.8	15.5
30°-40°	1519.6	18.4
40°-50°	1531.0	18.5
50°-60°	1323.3	16.0
60°-70°	904.4	10.9
70°-80°	446.0	5.4
80°-90°	115.4	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°	2421.8	29.3
0°-40°	3941.4	47.7
0°-60°	6795.7	82.3
0°-90°	8261.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8261.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3113	3113	3113	3113	3113	
5°	3104	3105	3097	3110	3113	295
15°	2999	3002	2994	3005	3006	847
25°	2787	2784	2775	2778	2773	1284
35°	2466	2458	2429	2407	2398	1544
45°	2038	2016	1978	1955	1938	1573
55°	1537	1532	1485	1441	1426	1374
65°	993	957	902	863	857	980
75°	421	418	412	412	400	459
85°	80	94	103	105	103	98
90°	0	0	0	0	0	

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CATALOG NUMBER: 24PTR-100-PW1-L935-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3113.1	3113.1	3113.1	3113.1	3113.1
2.5°	3112.2	3113.1	3105.1	3118.9	3122.3
5°	3103.8	3105.1	3097.1	3109.7	3113.1
7.5°	3089.2	3091.3	3082.1	3094.6	3097.1
10°	3067.0	3068.2	3060.3	3072.8	3075.3
12.5°	3037.2	3038.0	3031.3	3042.7	3042.7
15°	2999.1	3002.4	2994.4	3004.9	3005.8
17.5°	2956.3	2957.6	2949.6	2960.9	2963.4
20°	2905.6	2905.6	2898.9	2908.1	2905.6
22.5°	2849.0	2849.0	2841.0	2845.6	2847.7
25°	2787.0	2784.5	2775.2	2777.7	2773.1
27.5°	2715.3	2715.3	2698.9	2698.9	2691.0
30°	2642.8	2636.9	2619.7	2609.2	2601.3
32.5°	2559.4	2551.4	2529.6	2511.2	2505.3
35°	2466.3	2457.9	2429.0	2407.2	2398.0
37.5°	2376.2	2357.7	2319.6	2297.8	2287.3
40°	2271.0	2247.9	2208.9	2178.8	2174.2
42.5°	2158.2	2139.8	2089.1	2066.9	2061.4
45°	2038.4	2016.1	1978.0	1954.9	1937.8
47.5°	1920.6	1904.2	1860.6	1833.0	1827.1
50°	1796.9	1783.1	1738.2	1708.5	1698.0
52.5°	1669.1	1659.9	1621.7	1583.6	1571.0
55°	1536.6	1532.0	1484.6	1440.6	1425.5
57.5°	1406.3	1400.4	1341.3	1290.6	1276.7
60°	1270.0	1252.9	1195.0	1147.6	1132.6
62.5°	1140.9	1104.1	1041.6	1004.7	987.5
65°	993.0	957.4	902.0	862.6	857.2
67.5°	848.0	805.2	762.4	738.1	719.7
70°	696.6	667.7	635.4	614.9	611.5
72.5°	555.8	535.3	518.9	506.3	495.9
75°	420.8	417.5	411.6	411.6	400.3
77.5°	309.3	317.3	321.9	320.7	323.2
80°	214.6	230.5	239.8	241.0	239.8
82.5°	136.2	154.7	169.8	171.9	174.4
85°	79.6	93.5	102.7	104.8	102.7
87.5°	35.6	44.8	47.4	49.5	47.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)