

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: P1051057

Luminaire Tested: 24PTR-100-PW1-L930-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1051057
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-L930-UNV-STD-W
Description: 10000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

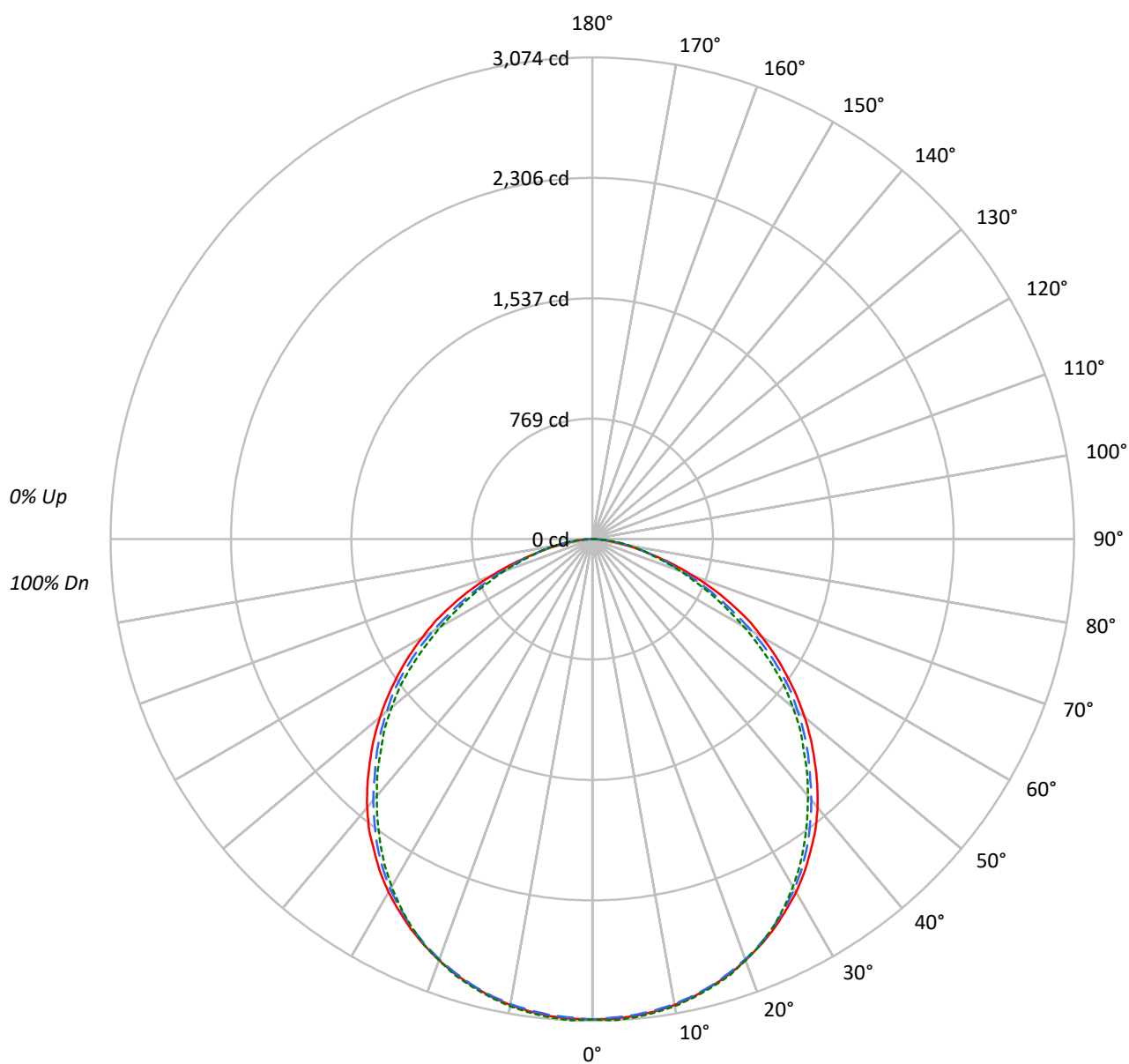
Lumens per Lamp: N/A
Luminaire Lumens: 8132.5 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

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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	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°	4123	4123	4123
5°	4127	4118	4139
10°	4125	4116	4136
15°	4112	4106	4121
20°	4095	4086	4095
25°	4073	4056	4053
30°	4042	4007	3978
35°	3988	3927	3877
40°	3926	3819	3759
45°	3818	3705	3630
50°	3703	3582	3499
55°	3548	3428	3292
60°	3364	3166	3000
65°	3112	2827	2686
70°	2698	2461	2368
75°	2154	2106	2048
80°	1637	1829	1829
85°	1210	1561	1561

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3818 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	290.6	3.6
10°-20°	833.6	10.2
20°-30°	1259.8	15.5
30°-40°	1495.9	18.4
40°-50°	1507.1	18.5
50°-60°	1302.7	16.0
60°-70°	890.3	10.9
70°-80°	439.0	5.4
80°-90°	113.6	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°	2384.0	29.3
0°-40°	3879.8	47.7
0°-60°	6689.6	82.3
0°-90°	8132.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8132.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3064	3064	3064	3064	3064	
5°	3055	3057	3049	3061	3064	291
15°	2952	2956	2948	2958	2959	833
25°	2743	2741	2732	2734	2730	1264
35°	2428	2420	2391	2370	2360	1520
45°	2006	1985	1947	1924	1908	1549
55°	1513	1508	1462	1418	1403	1352
65°	978	942	888	849	844	965
75°	414	411	405	405	394	452
85°	78	92	101	103	101	96
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3064.5	3064.5	3064.5	3064.5	3064.5
2.5°	3063.6	3064.5	3056.6	3070.2	3073.5
5°	3055.4	3056.6	3048.8	3061.2	3064.5
7.5°	3040.9	3043.0	3033.9	3046.3	3048.8
10°	3019.1	3020.3	3012.5	3024.8	3027.3
12.5°	2989.8	2990.6	2984.0	2995.1	2995.1
15°	2952.2	2955.5	2947.7	2958.0	2958.8
17.5°	2910.1	2911.4	2903.5	2914.7	2917.2
20°	2860.2	2860.2	2853.6	2862.7	2860.2
22.5°	2804.5	2804.5	2796.7	2801.2	2803.3
25°	2743.4	2741.0	2731.9	2734.4	2729.8
27.5°	2672.9	2672.9	2656.8	2656.8	2649.0
30°	2601.5	2595.7	2578.8	2568.5	2560.7
32.5°	2519.4	2511.6	2490.1	2471.9	2466.2
35°	2427.8	2419.5	2391.1	2369.6	2360.5
37.5°	2339.1	2320.9	2283.4	2261.9	2251.6
40°	2235.5	2212.8	2174.5	2144.7	2140.2
42.5°	2124.5	2106.4	2056.4	2034.6	2029.2
45°	2006.5	1984.7	1947.1	1924.4	1907.5
47.5°	1890.6	1874.5	1831.6	1804.3	1798.6
50°	1768.9	1755.2	1711.1	1681.8	1671.5
52.5°	1643.0	1633.9	1596.4	1558.8	1546.5
55°	1512.6	1508.1	1461.5	1418.1	1403.3
57.5°	1384.3	1378.5	1320.4	1270.4	1256.8
60°	1250.2	1233.3	1176.4	1129.7	1114.9
62.5°	1123.1	1086.8	1025.3	989.0	972.1
65°	977.5	942.4	887.9	849.2	843.8
67.5°	834.7	792.6	750.5	726.6	708.5
70°	685.8	657.3	625.5	605.3	602.0
72.5°	547.1	526.9	510.8	498.4	488.1
75°	414.3	411.0	405.2	405.2	394.0
77.5°	304.5	312.3	316.9	315.6	318.1
80°	211.3	226.9	236.0	237.3	236.0
82.5°	134.1	152.3	167.1	169.2	171.6
85°	78.4	92.0	101.1	103.2	101.1
87.5°	35.1	44.1	46.6	48.7	46.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)