

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: P1050812

Luminaire Tested: 24PTR-60-PLG-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050812
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-60-PLG-L850-UNV-STD-W
Description: 6000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

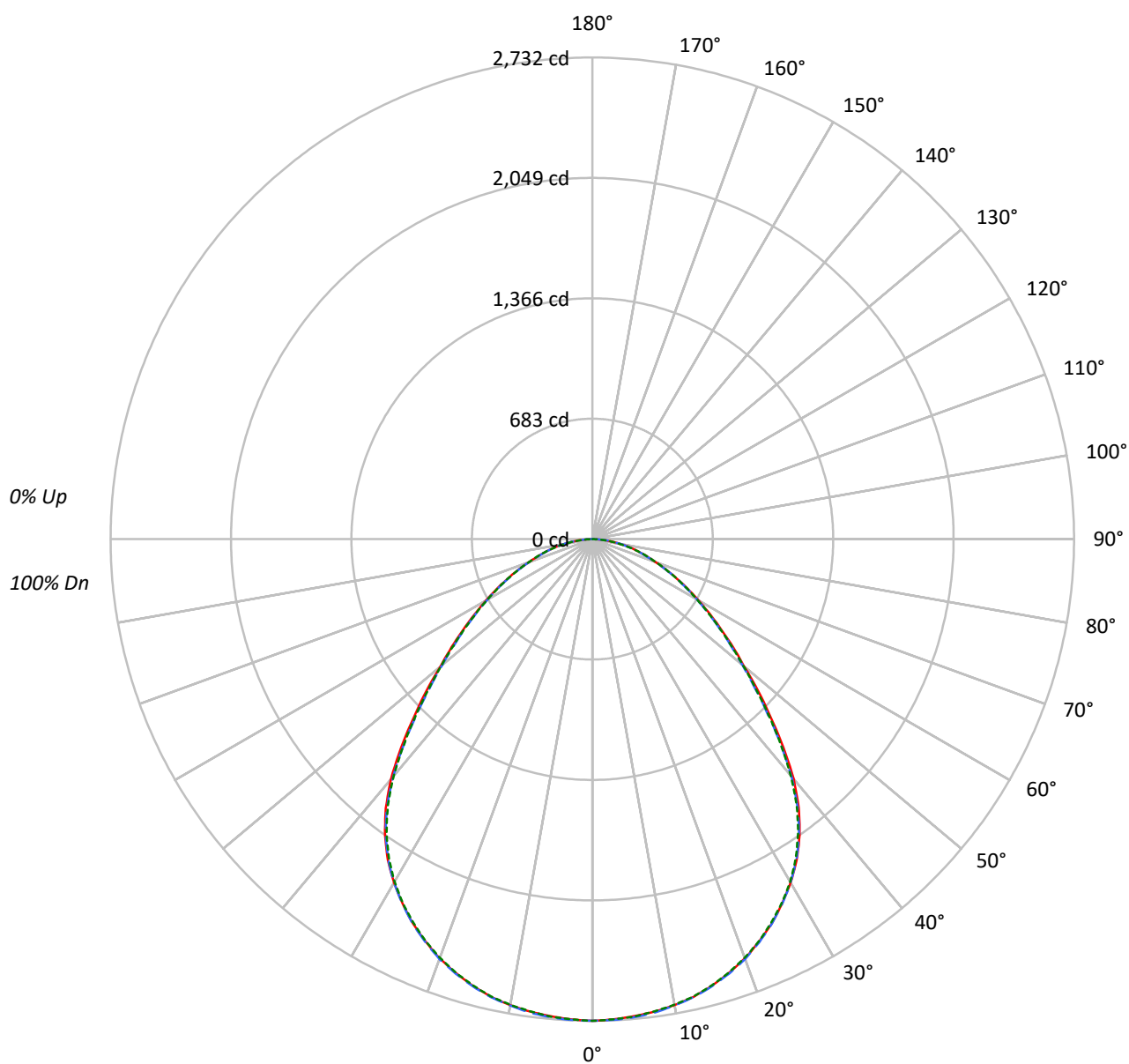
Lumens per Lamp: N/A
Luminaire Lumens: 6156.5 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51
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°	3676	3676	3676
5°	3669	3677	3672
10°	3667	3669	3664
15°	3652	3657	3649
20°	3623	3629	3618
25°	3573	3575	3564
30°	3495	3495	3486
35°	3367	3357	3341
40°	3120	3086	3075
45°	2727	2683	2694
50°	2354	2326	2338
55°	2092	2061	2065
60°	1873	1847	1847
65°	1679	1667	1673
70°	1510	1495	1510
75°	1401	1381	1401
80°	1307	1292	1247
85°	1107	1107	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2727 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.7	4.2
10°-20°	740.2	12.0
20°-30°	1107.5	18.0
30°-40°	1268.9	20.6
40°-50°	1097.4	17.8
50°-60°	794.3	12.9
60°-70°	523.2	8.5
70°-80°	284.8	4.6
80°-90°	81.6	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°	2106.4	34.2
0°-40°	3375.3	54.8
0°-60°	5267.0	85.6
0°-90°	6156.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6156.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2732	2732	2732	2732	2732	
5°	2717	2722	2722	2722	2719	258
15°	2622	2624	2626	2630	2620	739
25°	2406	2406	2408	2410	2401	1107
35°	2050	2048	2044	2042	2034	1273
45°	1433	1429	1410	1408	1416	1110
55°	892	888	878	873	880	803
65°	527	531	524	520	526	527
75°	270	270	266	266	270	287
85°	72	72	72	74	64	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2732.2	2732.2	2732.2	2732.2	2732.2
2.5°	2726.4	2732.2	2730.3	2732.2	2726.4
5°	2716.7	2722.5	2722.5	2722.5	2718.7
7.5°	2703.2	2707.0	2709.0	2710.9	2701.2
10°	2683.8	2687.6	2685.7	2689.6	2681.8
12.5°	2658.6	2658.6	2660.5	2664.4	2656.6
15°	2621.7	2623.7	2625.6	2629.5	2619.8
17.5°	2579.1	2581.0	2582.9	2584.9	2577.1
20°	2530.6	2530.6	2534.5	2536.4	2526.7
22.5°	2470.5	2470.5	2474.3	2480.2	2468.5
25°	2406.5	2406.5	2408.4	2410.3	2400.6
27.5°	2330.8	2330.8	2332.8	2338.6	2327.0
30°	2249.4	2247.5	2249.4	2251.3	2243.6
32.5°	2158.3	2156.3	2154.4	2156.3	2146.6
35°	2049.7	2047.7	2043.8	2041.9	2034.2
37.5°	1923.6	1919.7	1912.0	1912.0	1904.2
40°	1776.2	1766.6	1756.9	1753.0	1751.0
42.5°	1605.6	1597.8	1584.3	1582.3	1582.3
45°	1433.0	1429.1	1409.8	1407.8	1415.6
47.5°	1277.9	1268.2	1250.7	1246.9	1258.5
50°	1124.7	1126.6	1111.1	1105.3	1116.9
52.5°	1004.5	1000.6	987.0	983.1	992.8
55°	892.0	888.1	878.4	872.6	880.4
57.5°	789.2	787.3	777.6	775.7	779.5
60°	696.1	694.2	686.5	684.5	686.5
62.5°	608.9	608.9	601.1	597.3	603.1
65°	527.4	531.3	523.6	519.7	525.5
67.5°	453.8	457.6	449.9	446.0	453.8
70°	383.9	387.8	380.1	376.2	383.9
72.5°	323.8	325.8	320.0	318.0	327.7
75°	269.5	269.5	265.7	265.7	269.5
77.5°	219.1	217.2	215.2	215.2	211.4
80°	168.7	166.8	166.8	166.8	160.9
82.5°	120.2	116.3	118.3	120.2	110.5
85°	71.7	71.7	71.7	73.7	64.0
87.5°	29.1	29.1	27.1	29.1	25.2
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)