

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: P1046864

Luminaire Tested: 22PTR-60-PLG-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046864
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-60-PLG-L850-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

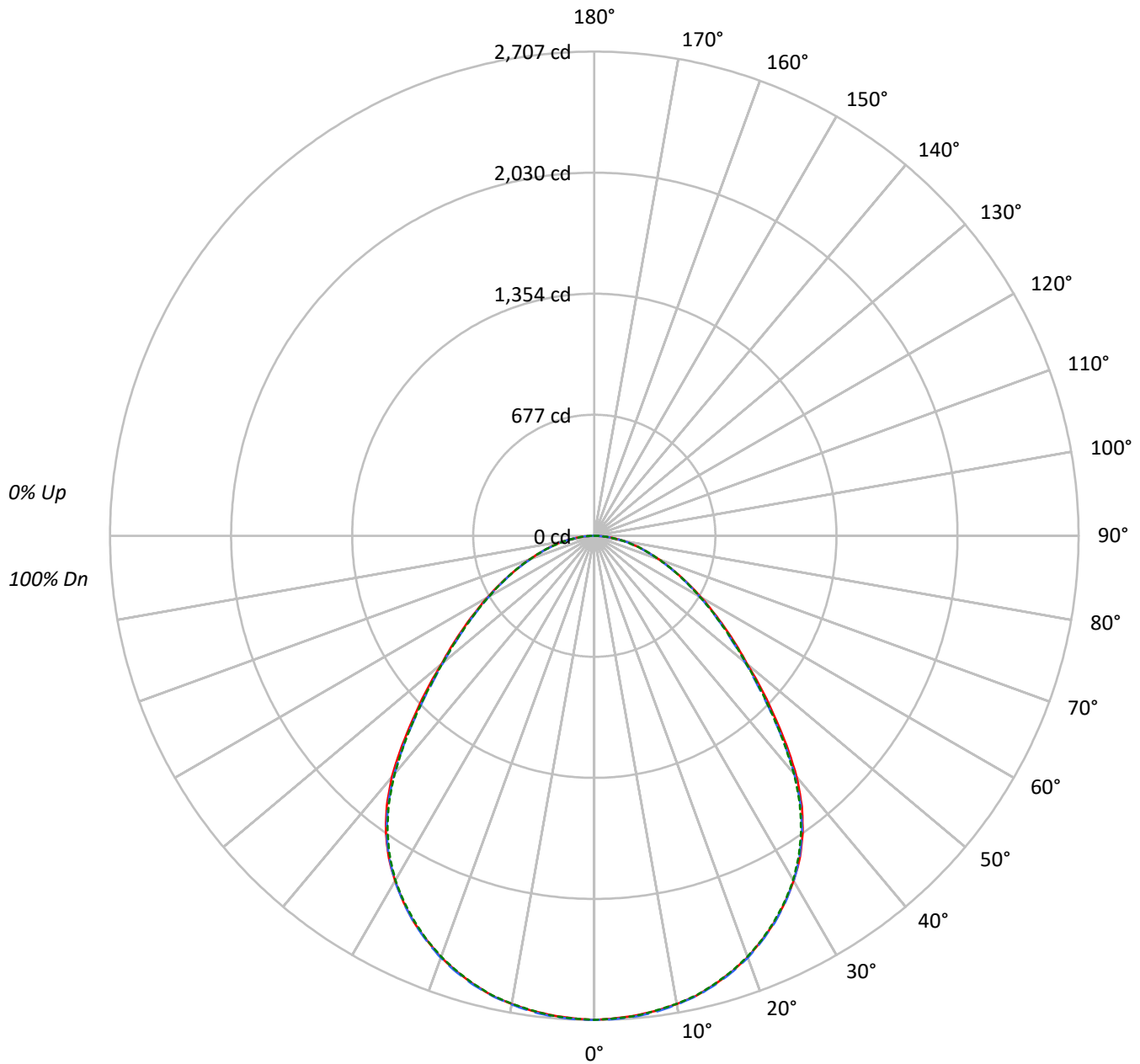
Lumens per Lamp: N/A
Luminaire Lumens: 6099.2 lumens
Efficiency: N/A
Efficacy: 117.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
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	100		
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	Luminous shape not found, reference photometric report, or contact the photometric lab for calculations.		
5°			
10°			
15°			
20°			
25°			
30°			
35°			
40°			
45°			
50°			
55°			
60°			
65°			
70°			
75°			
80°			
85°			

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: -
Vertical Angle: -
Luminance: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.3	4.2
10°-20°	733.3	12.0
20°-30°	1097.2	18.0
30°-40°	1257.1	20.6
40°-50°	1087.2	17.8
50°-60°	786.9	12.9
60°-70°	518.3	8.5
70°-80°	282.1	4.6
80°-90°	80.9	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°	2086.8	34.2
0°-40°	3343.9	54.8
0°-60°	5218.0	85.6
0°-90°	6099.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6099.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2707	2707	2707	2707	2707	
5°	2691	2697	2697	2697	2693	256
15°	2597	2599	2601	2605	2595	733
25°	2384	2384	2386	2388	2378	1097
35°	2031	2029	2025	2023	2015	1261
45°	1420	1416	1397	1395	1402	1099
55°	884	880	870	864	872	795
65°	522	526	519	515	521	522
75°	267	267	263	263	267	284
85°	71	71	71	73	63	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2706.8	2706.8	2706.8	2706.8	2706.8
2.5°	2701.0	2706.8	2704.9	2706.8	2701.0
5°	2691.4	2697.2	2697.2	2697.2	2693.3
7.5°	2678.0	2681.8	2683.7	2685.7	2676.1
10°	2658.8	2662.6	2660.7	2664.5	2656.8
12.5°	2633.8	2633.8	2635.7	2639.6	2631.9
15°	2597.3	2599.2	2601.1	2605.0	2595.4
17.5°	2555.0	2557.0	2558.9	2560.8	2553.1
20°	2507.0	2507.0	2510.8	2512.8	2503.2
22.5°	2447.5	2447.5	2451.3	2457.1	2445.5
25°	2384.1	2384.1	2386.0	2387.9	2378.3
27.5°	2309.1	2309.1	2311.1	2316.8	2305.3
30°	2228.4	2226.5	2228.4	2230.4	2222.7
32.5°	2138.2	2136.2	2134.3	2136.2	2126.6
35°	2030.6	2028.7	2024.8	2022.9	2015.2
37.5°	1905.7	1901.9	1894.2	1894.2	1886.5
40°	1759.7	1750.1	1740.5	1736.7	1734.7
42.5°	1590.7	1583.0	1569.5	1567.6	1567.6
45°	1419.7	1415.8	1396.6	1394.7	1402.4
47.5°	1266.0	1256.4	1239.1	1235.3	1246.8
50°	1114.2	1116.1	1100.8	1095.0	1106.5
52.5°	995.1	991.3	977.8	974.0	983.6
55°	883.7	879.9	870.2	864.5	872.2
57.5°	781.9	780.0	770.4	768.4	772.3
60°	689.7	687.7	680.1	678.1	680.1
62.5°	603.2	603.2	595.5	591.7	597.5
65°	522.5	526.4	518.7	514.8	520.6
67.5°	449.5	453.4	445.7	441.8	449.5
70°	380.4	384.2	376.5	372.7	380.4
72.5°	320.8	322.7	317.0	315.1	324.7
75°	267.0	267.0	263.2	263.2	267.0
77.5°	217.1	215.2	213.2	213.2	209.4
80°	167.1	165.2	165.2	165.2	159.4
82.5°	119.1	115.3	117.2	119.1	109.5
85°	71.1	71.1	71.1	73.0	63.4
87.5°	28.8	28.8	26.9	28.8	25.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)