

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: P1046859

Luminaire Tested: 22PTR-60-PLG-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046859
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-L840-UNV-STD-W
Description: 6000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

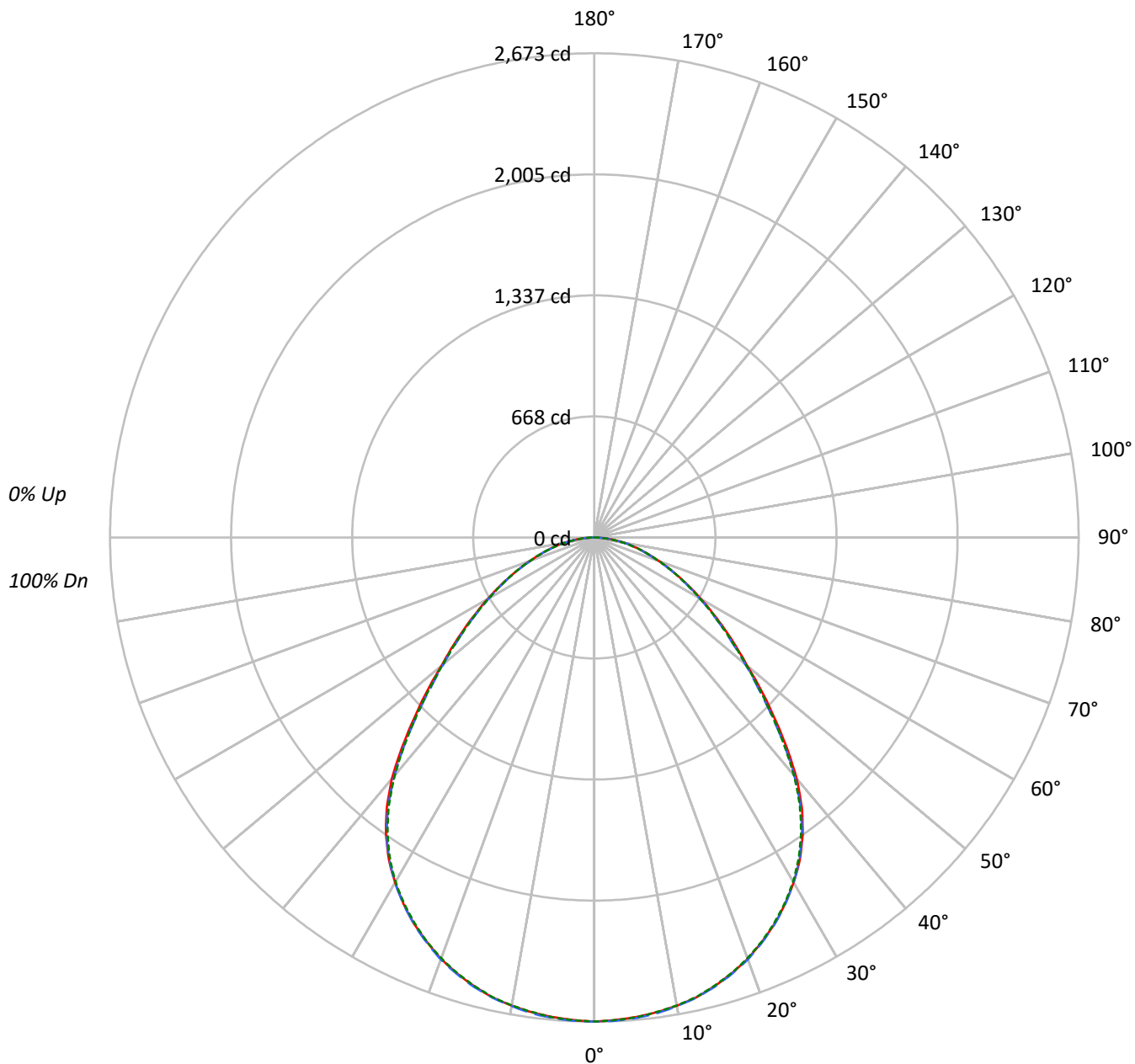
Lumens per Lamp: N/A
Luminaire Lumens: 6022.1 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 52
Input Voltage (V): 120
Input Current (A_{in}): 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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	106	102	98	107	103	100	97		99	96	94			95	93	91			92
2	101	94	87	82	99	92	86	81		88	84	79			85	81	78			82
3	93	83	76	70	91	82	75	69		79	73	68			76	71	67			74
4	86	75	67	60	84	73	66	60		71	64	59			69	63	58			67
5	79	67	59	53	77	66	58	53		64	57	52			62	56	51			61
6	74	61	53	47	72	60	52	47		58	51	46			57	51	46			55
7	69	56	48	42	67	55	47	42		54	46	41			52	46	41			51
8	64	51	43	38	62	51	43	38		49	42	37			48	42	37			47
9	60	47	39	34	59	47	39	34		46	39	34			44	38	34			43
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			40

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°	253.0	4.2
10°-20°	724.0	12.0
20°-30°	1083.3	18.0
30°-40°	1241.2	20.6
40°-50°	1073.5	17.8
50°-60°	776.9	12.9
60°-70°	511.7	8.5
70°-80°	278.6	4.6
80°-90°	79.9	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°	2060.4	34.2
0°-40°	3301.6	54.8
0°-60°	5152.0	85.6
0°-90°	6022.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6022.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2673	2673	2673	2673	2673	
5°	2657	2663	2663	2663	2659	253
15°	2564	2566	2568	2572	2563	723
25°	2354	2354	2356	2358	2348	1083
35°	2005	2003	1999	1997	1990	1245
45°	1402	1398	1379	1377	1385	1085
55°	872	869	859	854	861	785
65°	516	520	512	508	514	515
75°	264	264	260	260	264	281
85°	70	70	70	72	63	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2672.6	2672.6	2672.6	2672.6	2672.6
2.5°	2666.9	2672.6	2670.7	2672.6	2666.9
5°	2657.4	2663.1	2663.1	2663.1	2659.3
7.5°	2644.1	2647.9	2649.8	2651.7	2642.2
10°	2625.2	2629.0	2627.1	2630.9	2623.3
12.5°	2600.5	2600.5	2602.4	2606.2	2598.6
15°	2564.5	2566.4	2568.3	2572.1	2562.6
17.5°	2522.7	2524.6	2526.5	2528.4	2520.8
20°	2475.3	2475.3	2479.1	2481.0	2471.5
22.5°	2416.5	2416.5	2420.3	2426.0	2414.6
25°	2353.9	2353.9	2355.8	2357.7	2348.2
27.5°	2280.0	2280.0	2281.9	2287.5	2276.2
30°	2200.3	2198.4	2200.3	2202.2	2194.6
32.5°	2111.1	2109.2	2107.3	2109.2	2099.8
35°	2004.9	2003.0	1999.2	1997.3	1989.7
37.5°	1881.6	1877.8	1870.2	1870.2	1862.7
40°	1737.5	1728.0	1718.5	1714.7	1712.8
42.5°	1570.6	1563.0	1549.7	1547.8	1547.8
45°	1401.7	1397.9	1379.0	1377.1	1384.7
47.5°	1250.0	1240.5	1223.4	1219.6	1231.0
50°	1100.1	1102.0	1086.9	1081.2	1092.6
52.5°	982.5	978.7	965.5	961.7	971.2
55°	872.5	868.7	859.3	853.6	861.1
57.5°	772.0	770.1	760.6	758.7	762.5
60°	681.0	679.1	671.5	669.6	671.5
62.5°	595.6	595.6	588.0	584.2	589.9
65°	515.9	519.7	512.1	508.3	514.0
67.5°	443.9	447.6	440.1	436.3	443.9
70°	375.6	379.4	371.8	368.0	375.6
72.5°	316.8	318.7	313.0	311.1	320.6
75°	263.7	263.7	259.9	259.9	263.7
77.5°	214.3	212.4	210.5	210.5	206.8
80°	165.0	163.1	163.1	163.1	157.4
82.5°	117.6	113.8	115.7	117.6	108.1
85°	70.2	70.2	70.2	72.1	62.6
87.5°	28.5	28.5	26.6	28.5	24.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)