

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: P1046834

Luminaire Tested: 22PTR-25-PL1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046834
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PL1-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

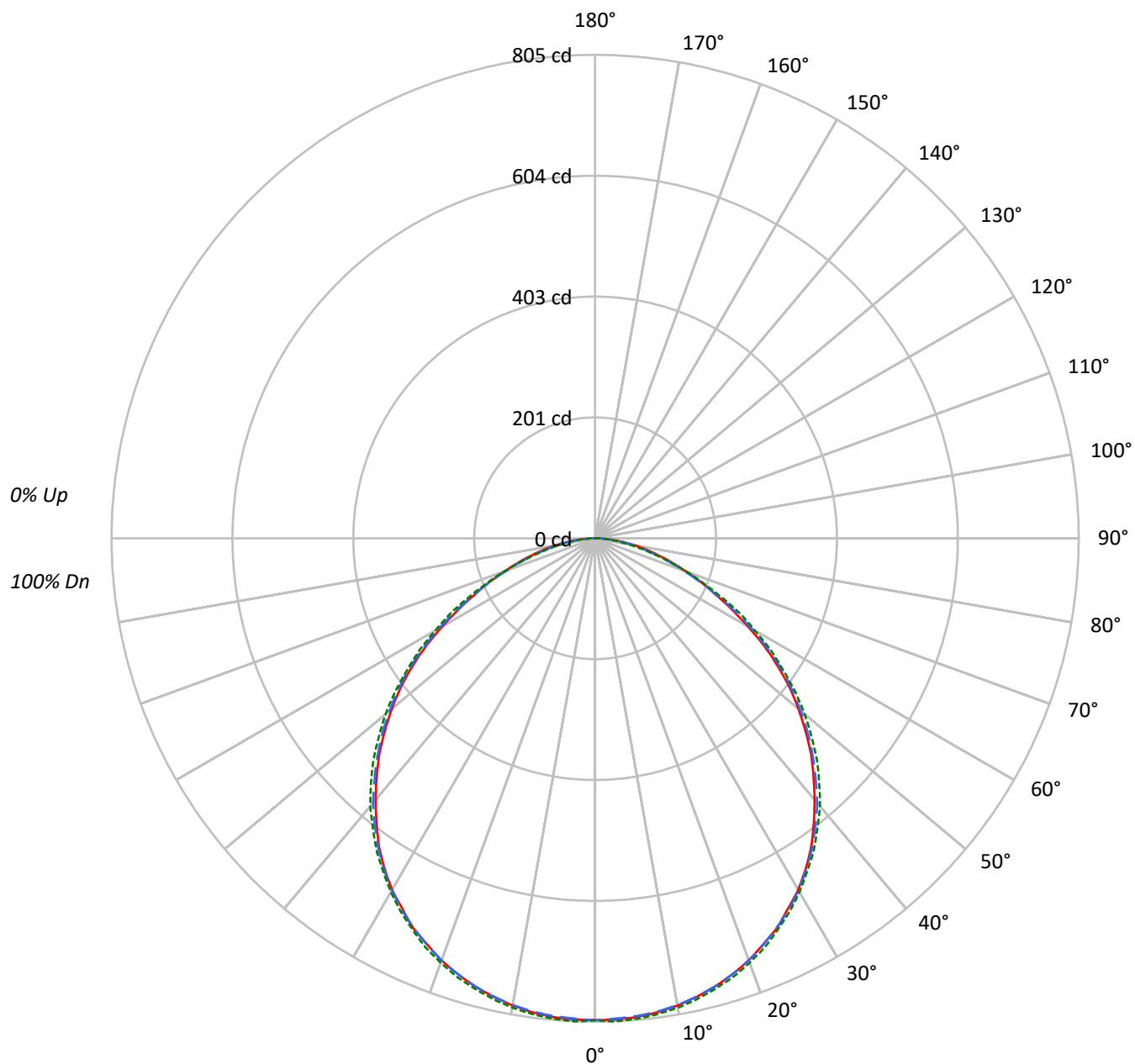
Lumens per Lamp: N/A
Luminaire Lumens: 2115.6 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80		97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67		89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57		82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49		75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43		69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38		65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34		60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31		56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28		53	41	33	28		40	33	28		39	32	28		38	32	28

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°	76.1	3.6
10°-20°	218.3	10.3
20°-30°	330.3	15.6
30°-40°	393.7	18.6
40°-50°	395.9	18.7
50°-60°	336.0	15.9
60°-70°	223.7	10.6
70°-80°	111.7	5.3
80°-90°	29.9	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°	624.8	29.5
0°-40°	1018.4	48.1
0°-60°	1750.3	82.7
0°-90°	2115.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2115.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	800	800	799	802	803	76
15°	772	773	772	776	776	218
25°	716	716	715	719	719	329
35°	627	628	630	634	635	391
45°	508	509	512	519	522	391
55°	371	374	377	381	382	331
65°	220	222	223	226	232	221
75°	109	107	102	100	100	117
85°	28	28	26	24	22	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	802.6	802.6	802.6	802.6	802.6
2.5°	801.9	802.6	800.4	804.3	805.3
5°	800.2	800.4	798.7	802.3	803.1
7.5°	796.3	796.6	794.8	798.7	799.2
10°	790.0	790.7	789.2	792.7	793.6
12.5°	782.1	782.9	781.4	785.3	785.9
15°	772.5	773.4	772.2	775.5	776.1
17.5°	760.9	761.5	760.9	763.9	765.6
20°	747.8	747.8	747.8	750.5	752.0
22.5°	731.5	733.0	732.4	735.9	737.4
25°	716.4	716.4	715.4	718.7	719.3
27.5°	695.2	697.6	697.3	700.3	700.9
30°	675.8	676.5	676.8	678.9	680.1
32.5°	652.4	652.9	653.9	656.8	657.1
35°	627.1	627.8	629.5	633.9	634.6
37.5°	597.7	601.0	602.5	607.2	607.8
40°	568.2	570.3	574.8	579.8	582.2
42.5°	538.2	540.6	543.3	550.1	552.2
45°	508.2	509.0	512.4	519.2	522.2
47.5°	474.9	477.6	480.5	486.4	488.3
50°	441.6	444.5	446.3	451.6	455.2
52.5°	408.0	410.7	412.7	416.0	419.6
55°	371.1	373.7	377.1	380.7	381.5
57.5°	333.7	336.6	338.7	342.5	346.4
60°	293.5	296.8	299.7	303.3	307.2
62.5°	256.1	257.5	260.5	266.4	272.1
65°	220.3	222.1	222.7	226.0	231.7
67.5°	190.6	190.6	187.9	189.1	195.4
70°	159.4	158.2	156.1	154.9	160.0
72.5°	134.1	132.6	128.1	126.1	128.8
75°	108.8	107.3	102.5	100.2	100.5
77.5°	87.4	85.0	81.1	77.0	76.2
80°	66.3	65.4	61.6	57.7	54.7
82.5°	47.0	44.9	42.8	40.4	38.0
85°	28.2	27.7	25.6	24.1	22.0
87.5°	11.6	11.6	11.0	10.4	9.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)