

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: P1046876

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046876
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-25-PLG-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

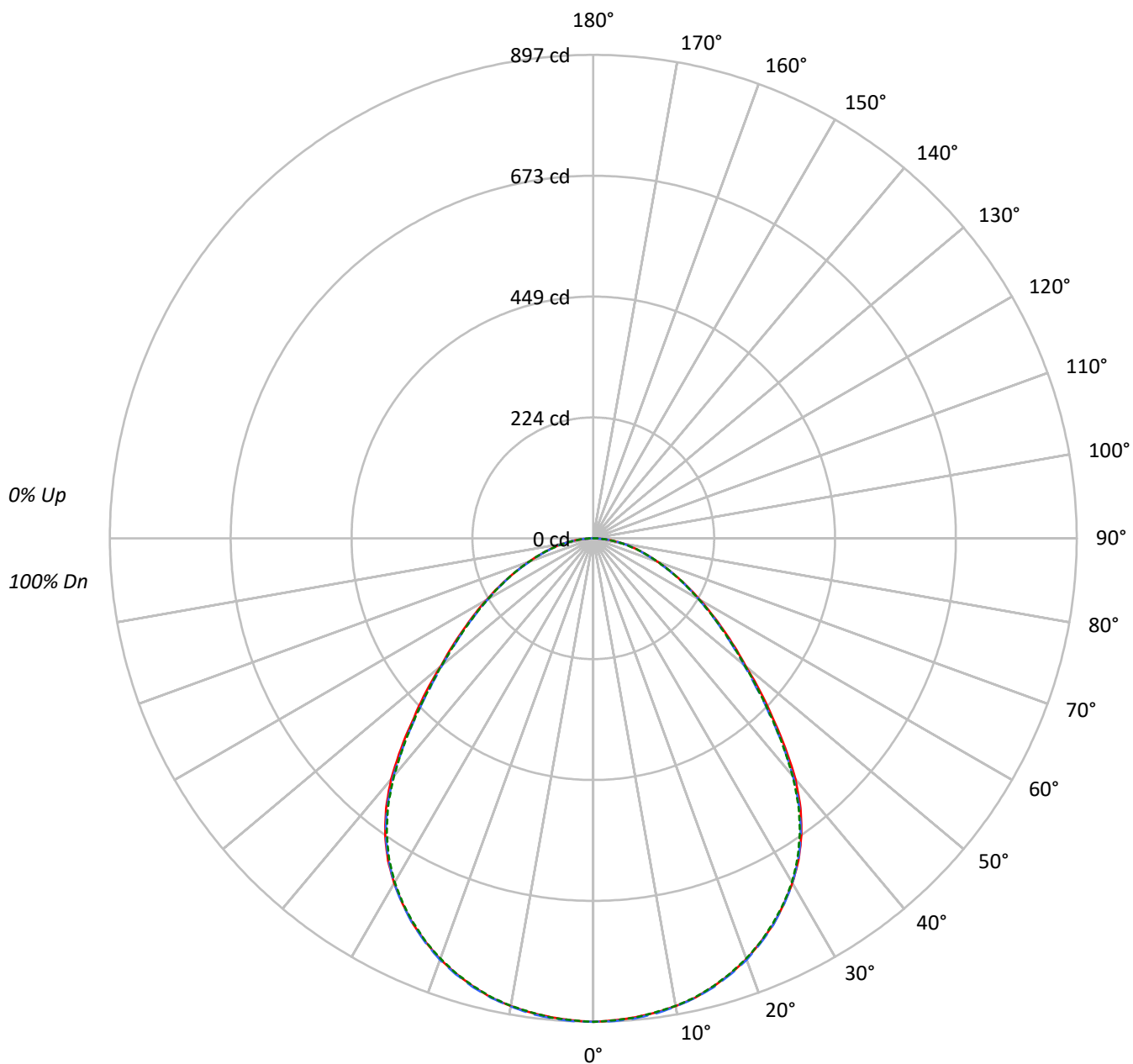
Lumens per Lamp: N/A
Luminaire Lumens: 2021.8 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	84.9	4.2
10°-20°	243.1	12.0
20°-30°	363.7	18.0
30°-40°	416.7	20.6
40°-50°	360.4	17.8
50°-60°	260.8	12.9
60°-70°	171.8	8.5
70°-80°	93.5	4.6
80°-90°	26.8	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°	691.7	34.2
0°-40°	1108.4	54.8
0°-60°	1729.7	85.6
0°-90°	2021.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2021.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	897	897	897	897	897	
5°	892	894	894	894	893	85
15°	861	862	862	864	860	243
25°	790	790	791	792	788	363
35°	673	672	671	671	668	418
45°	471	469	463	462	465	364
55°	293	292	288	287	289	264
65°	173	174	172	171	173	173
75°	88	88	87	87	88	94
85°	24	24	24	24	21	27
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	897.3	897.3	897.3	897.3	897.3
2.5°	895.3	897.3	896.6	897.3	895.3
5°	892.2	894.1	894.1	894.1	892.8
7.5°	887.7	889.0	889.6	890.3	887.1
10°	881.3	882.6	882.0	883.3	880.7
12.5°	873.1	873.1	873.7	875.0	872.4
15°	861.0	861.6	862.2	863.5	860.3
17.5°	847.0	847.6	848.2	848.9	846.3
20°	831.0	831.0	832.3	832.9	829.8
22.5°	811.3	811.3	812.6	814.5	810.7
25°	790.3	790.3	790.9	791.6	788.4
27.5°	765.4	765.4	766.1	768.0	764.2
30°	738.7	738.1	738.7	739.3	736.8
32.5°	708.8	708.1	707.5	708.1	704.9
35°	673.1	672.5	671.2	670.6	668.0
37.5°	631.7	630.4	627.9	627.9	625.3
40°	583.3	580.1	576.9	575.7	575.0
42.5°	527.3	524.7	520.3	519.6	519.6
45°	470.6	469.3	463.0	462.3	464.9
47.5°	419.7	416.5	410.7	409.5	413.3
50°	369.3	370.0	364.9	363.0	366.8
52.5°	329.9	328.6	324.1	322.9	326.0
55°	292.9	291.7	288.5	286.6	289.1
57.5°	259.2	258.5	255.4	254.7	256.0
60°	228.6	228.0	225.4	224.8	225.4
62.5°	200.0	200.0	197.4	196.1	198.0
65°	173.2	174.5	171.9	170.7	172.6
67.5°	149.0	150.3	147.7	146.5	149.0
70°	126.1	127.4	124.8	123.5	126.1
72.5°	106.3	107.0	105.1	104.4	107.6
75°	88.5	88.5	87.2	87.2	88.5
77.5°	72.0	71.3	70.7	70.7	69.4
80°	55.4	54.8	54.8	54.8	52.9
82.5°	39.5	38.2	38.8	39.5	36.3
85°	23.6	23.6	23.6	24.2	21.0
87.5°	9.6	9.6	8.9	9.6	8.3
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)