

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: P1046708

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046708
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-L940-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

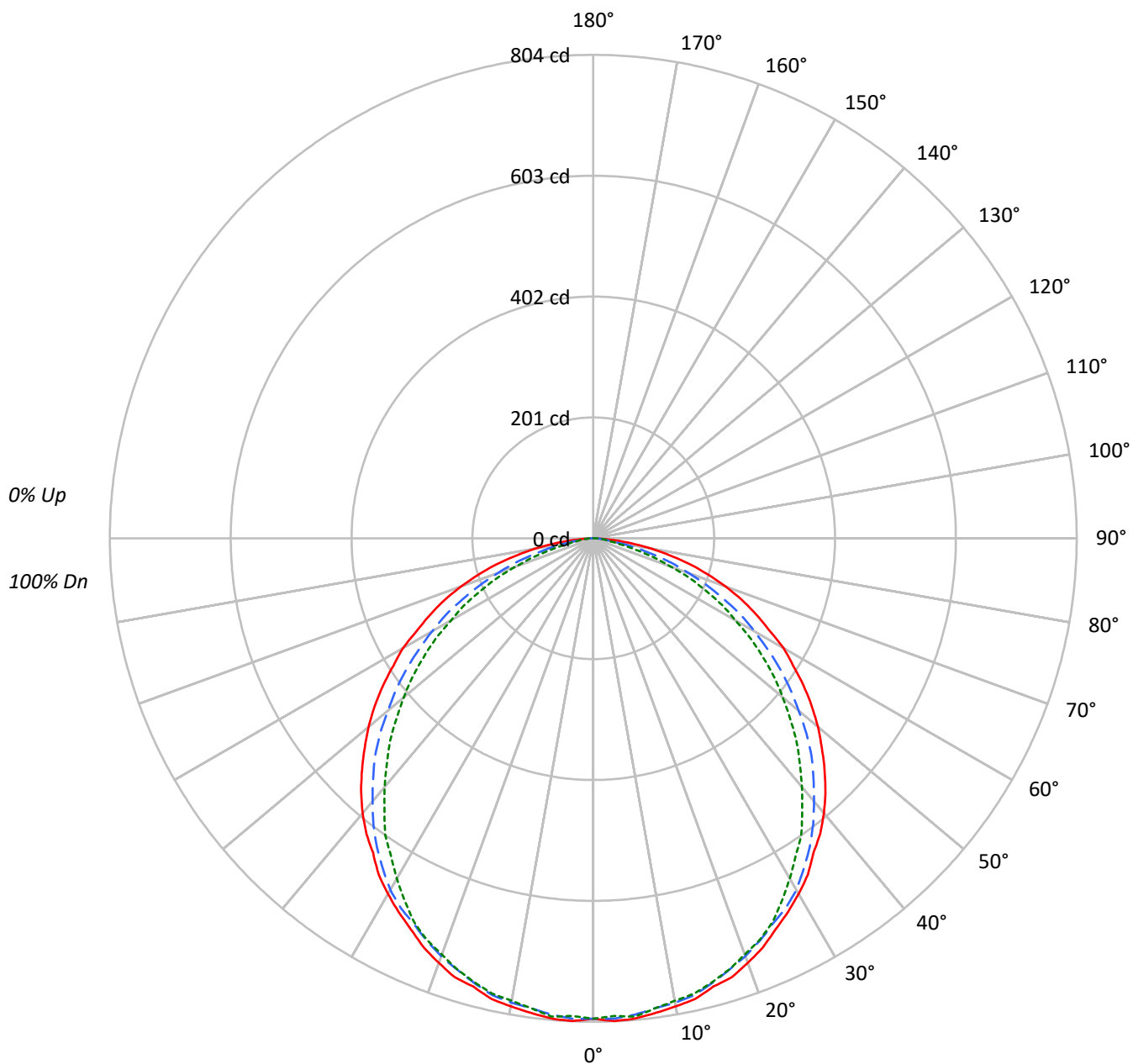
Lumens per Lamp: N/A
Luminaire Lumens: 2128.2 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046708

CATALOG NUMBER: 22PTR-25-L940-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046708

CATALOG NUMBER: 22PTR-25-L940-UNV-STD-W

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

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: -

TEST NUMBER: P1046708

CATALOG NUMBER: 22PTR-25-L940-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.7	3.6
10°-20°	216.7	10.2
20°-30°	327.3	15.4
30°-40°	389.2	18.3
40°-50°	394.7	18.5
50°-60°	342.8	16.1
60°-70°	243.3	11.4
70°-80°	116.3	5.5
80°-90°	22.0	1.0
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°	619.8	29.1
0°-40°	1009.0	47.4
0°-60°	1746.5	82.1
0°-90°	2128.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2128.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	799	799	799	799	799	
5°	802	799	795	797	798	76
15°	772	774	766	765	764	219
25°	718	717	707	710	705	331
35°	639	638	627	606	603	401
45°	544	539	514	486	478	420
55°	427	414	379	357	344	381
65°	298	276	240	214	206	296
75°	166	136	101	80	71	174
85°	32	17	15	14	14	41
90°	0	0	0	0	0	

TEST NUMBER: P1046708

CATALOG NUMBER: 22PTR-25-L940-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	799.0	799.0	799.0	799.0	799.0
2.5°	803.7	800.9	799.9	803.3	795.2
5°	801.8	799.0	795.2	797.1	798.5
7.5°	796.1	793.7	788.5	792.8	788.5
10°	790.4	788.0	784.2	785.6	780.9
12.5°	784.7	779.0	778.0	779.0	775.7
15°	771.8	773.8	765.7	764.7	764.2
17.5°	765.7	760.9	752.3	752.8	751.9
20°	751.4	745.7	739.5	738.5	736.6
22.5°	736.6	730.0	724.3	727.1	722.8
25°	717.6	716.6	707.1	710.0	704.8
27.5°	700.9	697.6	693.3	687.1	679.5
30°	682.9	679.5	675.2	659.1	653.4
32.5°	663.8	660.0	651.5	632.4	626.2
35°	638.6	637.7	627.2	605.8	602.9
37.5°	619.6	609.1	600.5	578.6	570.6
40°	596.7	591.0	571.0	550.1	539.6
42.5°	571.5	564.8	542.0	519.6	508.2
45°	543.9	539.2	513.5	486.3	478.2
47.5°	515.4	511.1	480.6	454.4	444.0
50°	487.8	482.5	445.9	420.7	411.1
52.5°	457.8	449.2	413.0	388.3	379.3
55°	426.8	414.0	379.3	356.9	344.5
57.5°	394.0	382.1	343.6	320.3	310.3
60°	365.5	348.8	309.3	285.5	272.7
62.5°	328.8	314.5	277.0	248.9	242.7
65°	298.4	276.0	239.8	214.1	206.0
67.5°	267.4	241.3	204.6	178.4	174.2
70°	233.6	206.5	168.9	143.2	136.1
72.5°	199.4	172.7	136.1	109.0	104.7
75°	166.1	135.6	100.9	79.9	70.9
77.5°	129.9	102.3	70.9	49.0	43.3
80°	96.6	69.0	40.9	29.0	28.6
82.5°	63.3	40.0	21.9	22.4	21.4
85°	32.4	17.1	14.8	14.3	13.8
87.5°	6.2	6.7	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)