

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: P1046693

Luminaire Tested: 22PTR-25-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046693
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-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

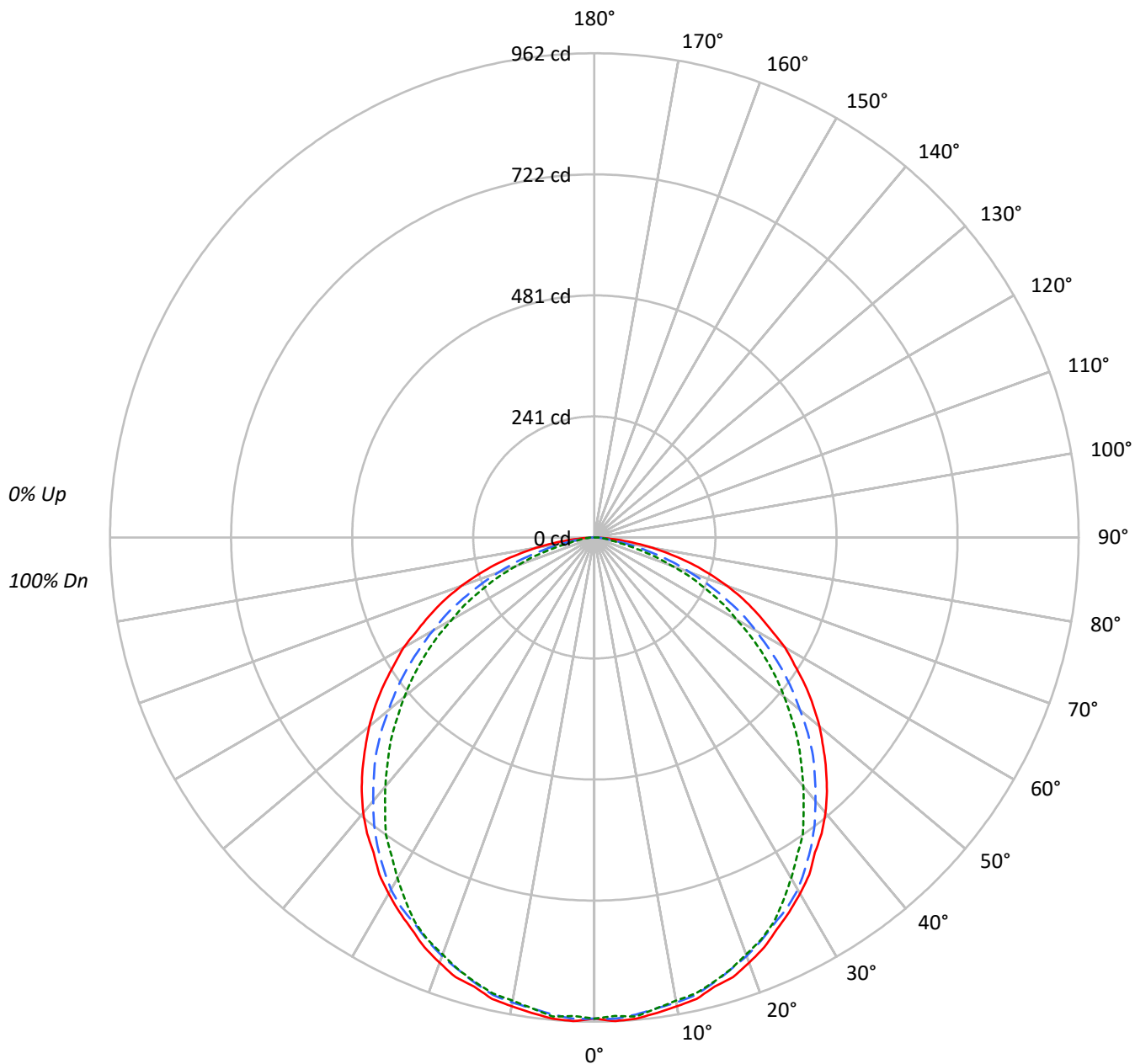
Lumens per Lamp: N/A
Luminaire Lumens: 2546.7 lumens
Efficiency: N/A
Efficacy: 134.0 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046693

CATALOG NUMBER: 22PTR-25-L850-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046693

CATALOG NUMBER: 22PTR-25-L850-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: P1046693

CATALOG NUMBER: 22PTR-25-L850-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	3.6
10°-20°	259.3	10.2
20°-30°	391.7	15.4
30°-40°	465.8	18.3
40°-50°	472.4	18.5
50°-60°	410.2	16.1
60°-70°	291.2	11.4
70°-80°	139.2	5.5
80°-90°	26.4	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°	741.7	29.1
0°-40°	1207.4	47.4
0°-60°	2090.0	82.1
0°-90°	2546.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	960	956	952	954	956	91
15°	924	926	916	915	914	262
25°	859	858	846	850	843	397
35°	764	763	750	725	722	480
45°	651	645	614	582	572	502
55°	511	495	454	427	412	456
65°	357	330	287	256	247	354
75°	199	162	121	96	85	208
85°	39	20	18	17	16	49
90°	0	0	0	0	0	

TEST NUMBER: P1046693

CATALOG NUMBER: 22PTR-25-L850-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.1	956.1	956.1	956.1	956.1
2.5°	961.8	958.4	957.2	961.2	951.5
5°	959.5	956.1	951.5	953.8	955.5
7.5°	952.7	949.8	943.6	948.7	943.6
10°	945.8	943.0	938.4	940.1	934.5
12.5°	939.0	932.2	931.0	932.2	928.2
15°	923.6	925.9	916.2	915.1	914.5
17.5°	916.2	910.5	900.3	900.9	899.7
20°	899.1	892.3	884.9	883.8	881.5
22.5°	881.5	873.5	866.7	870.1	865.0
25°	858.7	857.6	846.2	849.6	843.3
27.5°	838.8	834.8	829.7	822.3	813.2
30°	817.1	813.2	808.0	788.7	781.8
32.5°	794.4	789.8	779.6	756.8	749.4
35°	764.2	763.1	750.5	724.9	721.5
37.5°	741.4	728.9	718.6	692.4	682.8
40°	714.1	707.2	683.3	658.3	645.7
42.5°	683.9	675.9	648.6	621.8	608.2
45°	650.9	645.2	614.4	582.0	572.3
47.5°	616.7	611.6	575.1	543.8	531.3
50°	583.7	577.4	533.6	503.4	492.0
52.5°	547.8	537.6	494.3	464.7	453.8
55°	510.8	495.4	453.8	427.1	412.3
57.5°	471.5	457.3	411.1	383.2	371.3
60°	437.3	417.4	370.1	341.7	326.3
62.5°	393.5	376.4	331.4	297.8	290.4
65°	357.0	330.3	287.0	256.2	246.6
67.5°	320.0	288.7	244.9	213.5	208.4
70°	279.6	247.1	202.2	171.4	162.9
72.5°	238.6	206.7	162.9	130.4	125.3
75°	198.7	162.3	120.7	95.7	84.8
77.5°	155.5	122.4	84.8	58.7	51.8
80°	115.6	82.6	49.0	34.7	34.2
82.5°	75.7	47.8	26.2	26.8	25.6
85°	38.7	20.5	17.7	17.1	16.5
87.5°	7.4	8.0	8.5	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)