

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: P1046940

Luminaire Tested: 22PTR-25-PR1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PR1-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

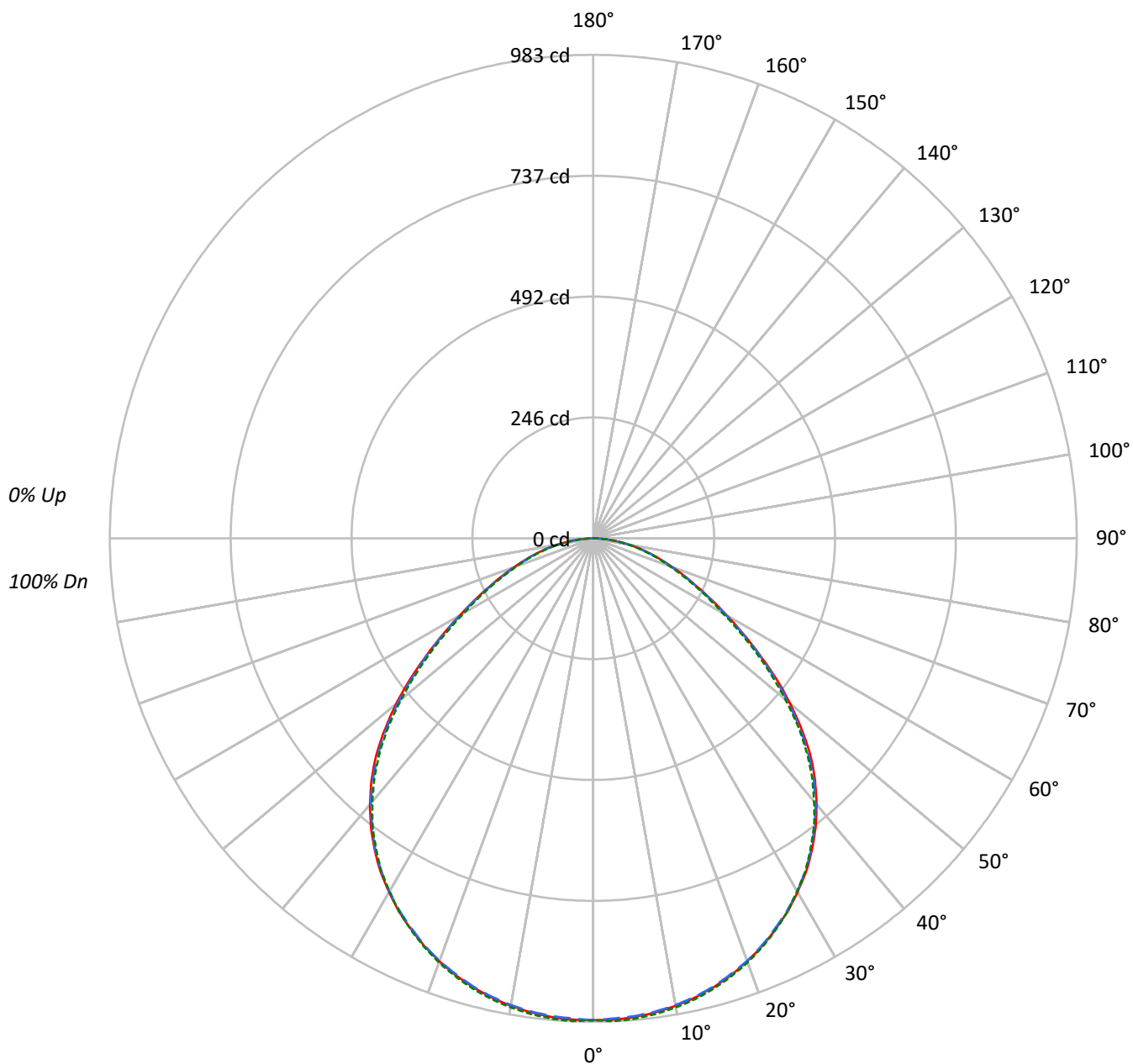
Lumens per Lamp: N/A
Luminaire Lumens: 2478.3 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046940

CATALOG NUMBER: 22PTR-25-PR1-L840-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046940

CATALOG NUMBER: 22PTR-25-PR1-L840-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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27		

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: P1046940

CATALOG NUMBER: 22PTR-25-PR1-L840-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.0	3.8
10°-20°	266.8	10.8
20°-30°	404.2	16.3
30°-40°	482.5	19.5
40°-50°	474.5	19.1
50°-60°	366.8	14.8
60°-70°	231.3	9.3
70°-80°	125.1	5.0
80°-90°	34.2	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°	764.0	30.8
0°-40°	1246.5	50.3
0°-60°	2087.8	84.2
0°-90°	2478.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2478.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	980	980	980	980	980	
5°	977	978	975	979	980	93
15°	945	945	944	946	948	267
25°	877	878	875	878	878	404
35°	775	775	773	772	770	484
45°	625	622	618	613	613	478
55°	413	416	411	404	403	370
65°	233	233	232	228	227	234
75°	120	118	117	118	115	127
85°	29	30	29	29	28	35
90°	0	0	0	0	0	

TEST NUMBER: P1046940

CATALOG NUMBER: 22PTR-25-PR1-L840-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	980.0	980.0	980.0	980.0	980.0
2.5°	979.6	980.0	977.2	981.8	982.8
5°	977.2	977.6	975.0	979.2	980.4
7.5°	972.2	973.0	970.5	974.7	975.8
10°	965.2	965.9	963.5	967.7	968.7
12.5°	956.5	956.8	954.7	958.5	959.6
15°	944.9	945.1	943.5	946.5	947.9
17.5°	931.5	931.9	929.4	933.3	933.9
20°	915.4	915.7	914.3	917.4	917.8
22.5°	897.4	898.2	896.0	898.8	899.2
25°	877.1	877.8	874.9	877.8	878.1
27.5°	855.7	855.9	853.5	855.7	855.3
30°	830.7	832.8	829.6	828.9	828.6
32.5°	804.8	805.0	802.0	801.2	802.6
35°	774.9	775.2	773.1	772.1	769.9
37.5°	742.2	742.2	738.3	737.6	737.2
40°	706.4	706.0	703.6	701.1	698.6
42.5°	667.3	668.1	663.1	658.9	658.3
45°	624.8	622.4	617.8	612.9	613.3
47.5°	574.7	575.3	569.0	565.1	564.1
50°	522.6	522.6	516.7	512.5	510.3
52.5°	468.2	468.6	463.0	457.4	456.2
55°	412.7	416.2	410.9	404.3	402.9
57.5°	360.8	363.6	358.6	351.6	351.2
60°	312.7	312.9	311.5	304.9	303.1
62.5°	271.6	269.8	269.0	265.6	263.4
65°	232.9	233.3	231.5	227.5	226.9
67.5°	201.6	201.3	198.1	195.6	194.2
70°	171.0	170.0	168.6	166.5	165.1
72.5°	143.7	143.7	142.5	141.9	139.5
75°	119.8	118.4	117.0	117.7	114.9
77.5°	97.0	95.6	94.4	93.0	92.4
80°	73.4	72.0	72.4	70.2	69.9
82.5°	50.9	50.9	50.3	48.5	48.9
85°	29.1	29.5	28.8	29.1	27.7
87.5°	10.6	10.8	11.6	10.8	10.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)