

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: P1046846

Luminaire Tested: 22PTR-25-PLG-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046846
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-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

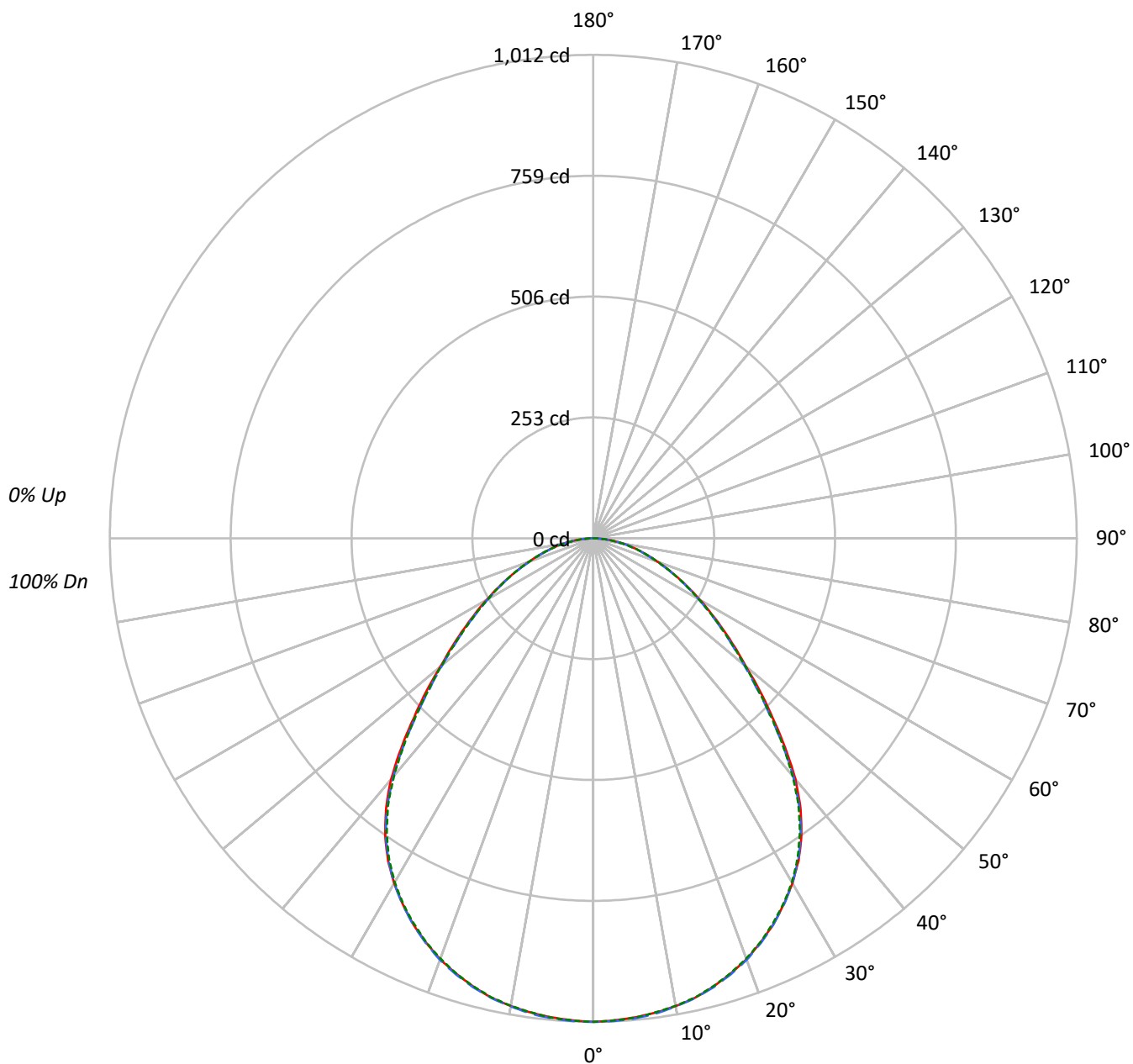
Lumens per Lamp: N/A
Luminaire Lumens: 2281.2 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046846

CATALOG NUMBER: 22PTR-25-PLG-L830-UNV-STD-W

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: -

TEST NUMBER: P1046846

CATALOG NUMBER: 22PTR-25-PLG-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.8	4.2
10°-20°	274.3	12.0
20°-30°	410.4	18.0
30°-40°	470.2	20.6
40°-50°	406.6	17.8
50°-60°	294.3	12.9
60°-70°	193.8	8.5
70°-80°	105.5	4.6
80°-90°	30.2	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°	780.5	34.2
0°-40°	1250.7	54.8
0°-60°	1951.6	85.6
0°-90°	2281.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2281.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1012	1012	1012	1012	1012	
5°	1007	1009	1009	1009	1007	96
15°	971	972	973	974	971	274
25°	892	892	892	893	890	410
35°	760	759	757	757	754	472
45°	531	530	522	522	524	411
55°	330	329	326	323	326	297
65°	195	197	194	193	195	195
75°	100	100	98	98	100	106
85°	27	27	27	27	24	31
90°	0	0	0	0	0	

TEST NUMBER: P1046846

CATALOG NUMBER: 22PTR-25-PLG-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1012.4	1012.4	1012.4	1012.4	1012.4
2.5°	1010.2	1012.4	1011.7	1012.4	1010.2
5°	1006.6	1008.8	1008.8	1008.8	1007.4
7.5°	1001.6	1003.0	1003.8	1004.5	1000.9
10°	994.4	995.9	995.1	996.6	993.7
12.5°	985.1	985.1	985.8	987.2	984.4
15°	971.4	972.2	972.9	974.3	970.7
17.5°	955.6	956.3	957.1	957.8	954.9
20°	937.7	937.7	939.1	939.8	936.2
22.5°	915.4	915.4	916.8	919.0	914.7
25°	891.7	891.7	892.4	893.1	889.5
27.5°	863.7	863.7	864.4	866.5	862.2
30°	833.5	832.8	833.5	834.2	831.3
32.5°	799.7	799.0	798.3	799.0	795.4
35°	759.5	758.8	757.3	756.6	753.7
37.5°	712.8	711.3	708.5	708.5	705.6
40°	658.2	654.6	651.0	649.5	648.8
42.5°	594.9	592.1	587.0	586.3	586.3
45°	531.0	529.5	522.4	521.6	524.5
47.5°	473.5	469.9	463.4	462.0	466.3
50°	416.7	417.5	411.7	409.6	413.9
52.5°	372.2	370.8	365.7	364.3	367.9
55°	330.5	329.1	325.5	323.3	326.2
57.5°	292.4	291.7	288.1	287.4	288.8
60°	257.9	257.2	254.4	253.6	254.4
62.5°	225.6	225.6	222.7	221.3	223.5
65°	195.4	196.9	194.0	192.6	194.7
67.5°	168.1	169.6	166.7	165.3	168.1
70°	142.3	143.7	140.8	139.4	142.3
72.5°	120.0	120.7	118.6	117.8	121.4
75°	99.9	99.9	98.4	98.4	99.9
77.5°	81.2	80.5	79.8	79.8	78.3
80°	62.5	61.8	61.8	61.8	59.6
82.5°	44.5	43.1	43.8	44.5	41.0
85°	26.6	26.6	26.6	27.3	23.7
87.5°	10.8	10.8	10.1	10.8	9.3
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)