

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: P1046930

Luminaire Tested: 22PTR-25-PR1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046930
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-L830-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

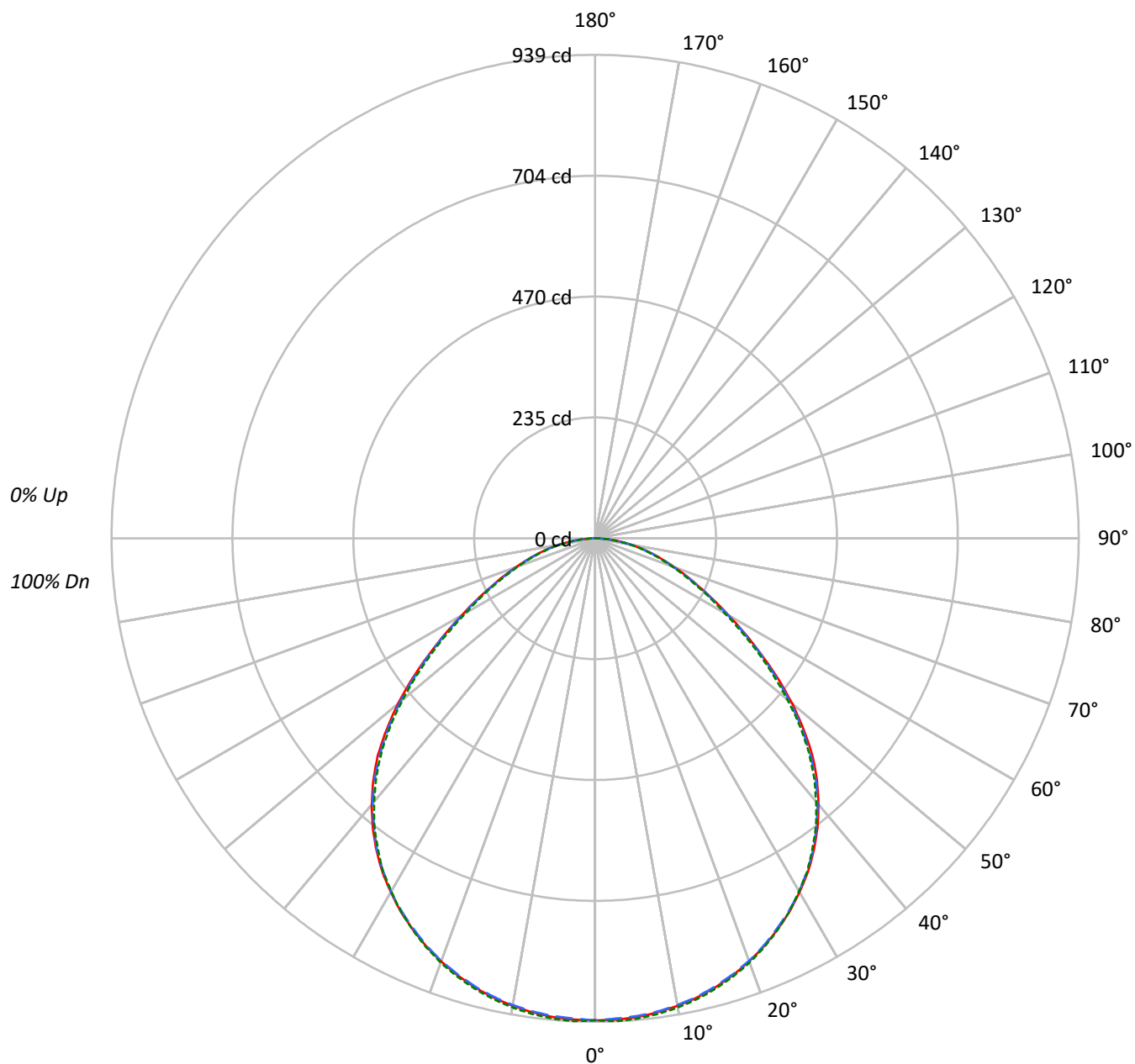
Lumens per Lamp: N/A
Luminaire Lumens: 2367.8 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

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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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.8	3.8
10°-20°	254.9	10.8
20°-30°	386.2	16.3
30°-40°	461.0	19.5
40°-50°	453.4	19.1
50°-60°	350.4	14.8
60°-70°	221.0	9.3
70°-80°	119.5	5.0
80°-90°	32.7	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°	729.9	30.8
0°-40°	1190.9	50.3
0°-60°	1994.7	84.2
0°-90°	2367.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2367.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	936	936	936	936	936	
5°	934	934	932	936	937	89
15°	903	903	901	904	906	255
25°	838	839	836	839	839	386
35°	740	741	739	738	736	462
45°	597	595	590	586	586	457
55°	394	398	393	386	385	354
65°	222	223	221	217	217	224
75°	114	113	112	112	110	122
85°	28	28	28	28	26	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.3	936.3	936.3	936.3	936.3
2.5°	935.9	936.3	933.6	938.0	938.9
5°	933.6	933.9	931.5	935.5	936.6
7.5°	928.8	929.5	927.2	931.3	932.2
10°	922.1	922.8	920.5	924.5	925.5
12.5°	913.8	914.1	912.1	915.8	916.7
15°	902.7	903.0	901.4	904.3	905.6
17.5°	889.9	890.3	888.0	891.6	892.2
20°	874.6	874.8	873.5	876.5	876.9
22.5°	857.4	858.1	856.0	858.7	859.1
25°	838.0	838.6	835.9	838.6	839.0
27.5°	817.5	817.7	815.4	817.5	817.1
30°	793.6	795.7	792.6	791.9	791.7
32.5°	768.9	769.1	766.2	765.4	766.8
35°	740.3	740.6	738.6	737.6	735.6
37.5°	709.1	709.1	705.3	704.7	704.4
40°	674.8	674.5	672.2	669.8	667.4
42.5°	637.5	638.3	633.5	629.5	628.9
45°	596.9	594.6	590.2	585.6	586.0
47.5°	549.0	549.6	543.7	539.9	538.9
50°	499.3	499.3	493.7	489.6	487.6
52.5°	447.3	447.7	442.3	437.0	435.9
55°	394.3	397.6	392.6	386.3	384.9
57.5°	344.7	347.4	342.6	335.9	335.5
60°	298.7	299.0	297.6	291.3	289.6
62.5°	259.5	257.7	257.0	253.7	251.7
65°	222.5	222.9	221.2	217.4	216.8
67.5°	192.6	192.3	189.2	186.9	185.6
70°	163.4	162.4	161.1	159.1	157.8
72.5°	137.3	137.3	136.2	135.6	133.3
75°	114.5	113.1	111.8	112.4	109.7
77.5°	92.7	91.3	90.2	88.9	88.3
80°	70.1	68.8	69.1	67.1	66.8
82.5°	48.6	48.6	48.0	46.3	46.7
85°	27.8	28.2	27.6	27.8	26.5
87.5°	10.1	10.4	11.1	10.4	10.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)