

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: P1046971

Luminaire Tested: 22PTR-20-PW1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PW1-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

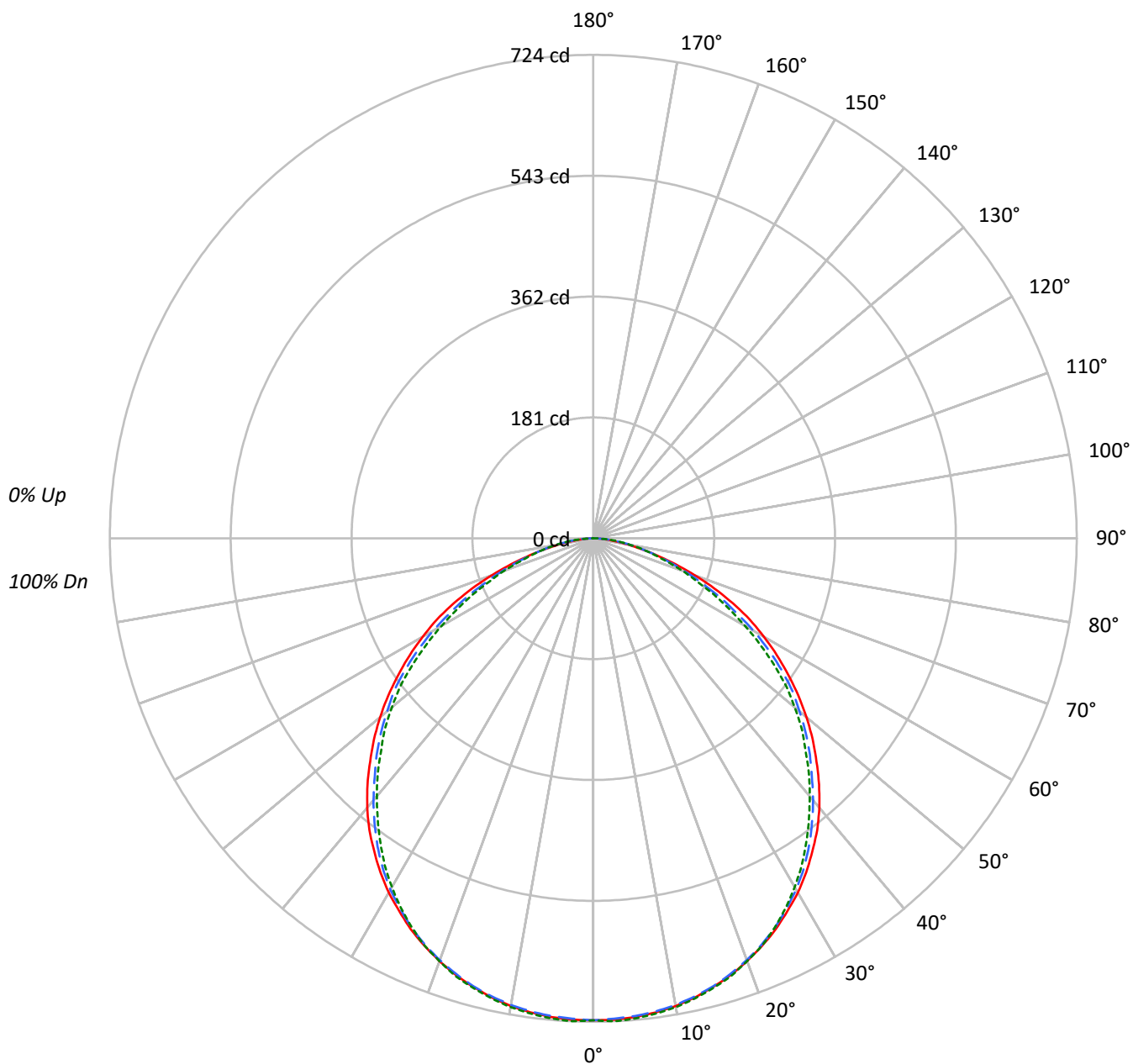
Lumens per Lamp: N/A
Luminaire Lumens: 1915.8 lumens
Efficiency: N/A
Efficacy: 127.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	3.6
10°-20°	196.4	10.2
20°-30°	296.8	15.5
30°-40°	352.4	18.4
40°-50°	355.0	18.5
50°-60°	306.9	16.0
60°-70°	209.7	10.9
70°-80°	103.4	5.4
80°-90°	26.8	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°	561.6	29.3
0°-40°	914.0	47.7
0°-60°	1575.9	82.3
0°-90°	1915.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1915.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	722	722	722	722	722	
5°	720	720	718	721	722	68
15°	695	696	694	697	697	196
25°	646	646	644	644	643	298
35°	572	570	563	558	556	358
45°	473	468	459	453	449	365
55°	356	355	344	334	331	319
65°	230	222	209	200	199	227
75°	98	97	95	95	93	106
85°	18	22	24	24	24	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	721.9	721.9	721.9	721.9	721.9
2.5°	721.7	721.9	720.0	723.2	724.0
5°	719.7	720.0	718.2	721.1	721.9
7.5°	716.3	716.8	714.7	717.6	718.2
10°	711.2	711.5	709.6	712.6	713.1
12.5°	704.3	704.5	702.9	705.6	705.6
15°	695.4	696.2	694.4	696.8	697.0
17.5°	685.5	685.8	684.0	686.6	687.2
20°	673.8	673.8	672.2	674.4	673.8
22.5°	660.7	660.7	658.8	659.9	660.4
25°	646.3	645.7	643.5	644.1	643.1
27.5°	629.6	629.6	625.9	625.9	624.0
30°	612.8	611.5	607.5	605.1	603.2
32.5°	593.5	591.6	586.6	582.3	581.0
35°	571.9	570.0	563.3	558.2	556.1
37.5°	551.0	546.7	537.9	532.8	530.4
40°	526.6	521.3	512.2	505.2	504.2
42.5°	500.5	496.2	484.4	479.3	478.0
45°	472.7	467.5	458.7	453.3	449.3
47.5°	445.4	441.6	431.5	425.0	423.7
50°	416.7	413.5	403.1	396.2	393.7
52.5°	387.0	384.9	376.1	367.2	364.3
55°	356.3	355.3	344.3	334.1	330.6
57.5°	326.1	324.7	311.0	299.3	296.1
60°	294.5	290.5	277.1	266.1	262.6
62.5°	264.6	256.0	241.5	233.0	229.0
65°	230.3	222.0	209.2	200.0	198.8
67.5°	196.6	186.7	176.8	171.2	166.9
70°	161.5	154.8	147.4	142.6	141.8
72.5°	128.9	124.1	120.3	117.4	115.0
75°	97.6	96.8	95.4	95.4	92.8
77.5°	71.7	73.6	74.6	74.4	74.9
80°	49.8	53.5	55.6	55.9	55.6
82.5°	31.6	35.9	39.4	39.9	40.4
85°	18.5	21.7	23.8	24.3	23.8
87.5°	8.3	10.4	11.0	11.5	11.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)