

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: P1046803

Luminaire Tested: 22PTR-20-PL1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PL1-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

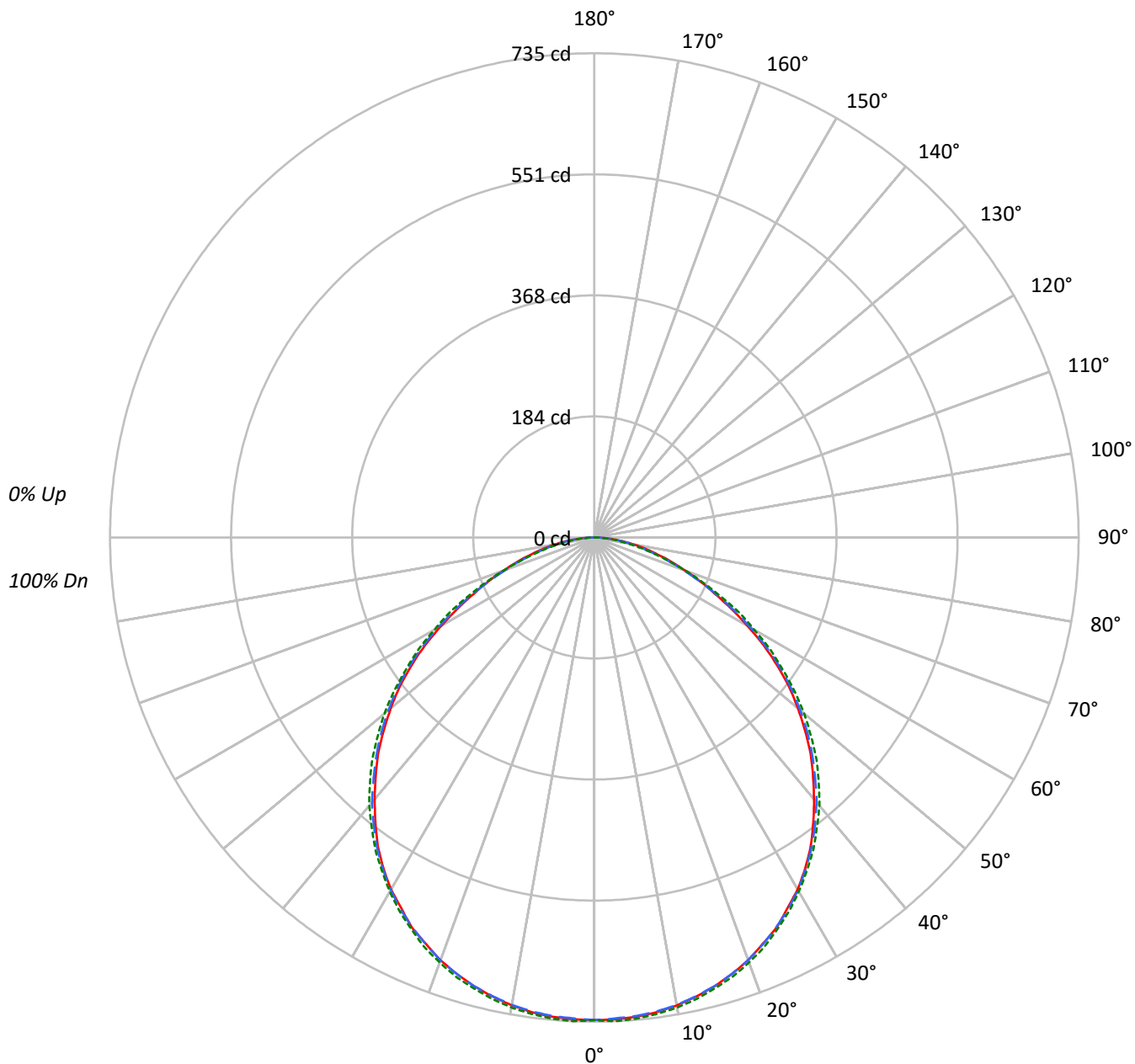
Lumens per Lamp: N/A
Luminaire Lumens: 1931.3 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (A_{in}): 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	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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°	69.5	3.6
10°-20°	199.3	10.3
20°-30°	301.5	15.6
30°-40°	359.4	18.6
40°-50°	361.4	18.7
50°-60°	306.7	15.9
60°-70°	204.2	10.6
70°-80°	102.0	5.3
80°-90°	27.3	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°	570.3	29.5
0°-40°	929.7	48.1
0°-60°	1597.8	82.7
0°-90°	1931.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1931.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	733	733	733	733	733	
5°	730	731	729	732	733	69
15°	705	706	705	708	708	199
25°	654	654	653	656	657	301
35°	572	573	575	579	579	357
45°	464	465	468	474	477	357
55°	339	341	344	348	348	302
65°	201	203	203	206	212	202
75°	99	98	94	91	92	107
85°	26	25	23	22	20	30
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	732.7	732.7	732.7	732.7	732.7
2.5°	732.1	732.7	730.7	734.2	735.1
5°	730.5	730.7	729.1	732.4	733.2
7.5°	726.9	727.2	725.6	729.1	729.6
10°	721.2	721.8	720.4	723.7	724.5
12.5°	713.9	714.7	713.3	716.9	717.5
15°	705.2	706.0	704.9	707.9	708.5
17.5°	694.6	695.2	694.6	697.4	698.9
20°	682.7	682.7	682.7	685.1	686.5
22.5°	667.8	669.1	668.6	671.8	673.2
25°	654.0	654.0	653.1	656.1	656.6
27.5°	634.6	636.8	636.6	639.3	639.8
30°	617.0	617.6	617.9	619.7	620.8
32.5°	595.6	596.1	596.9	599.6	599.9
35°	572.5	573.1	574.7	578.7	579.3
37.5°	545.7	548.6	550.0	554.3	554.8
40°	518.7	520.6	524.7	529.3	531.4
42.5°	491.3	493.5	495.9	502.2	504.1
45°	463.9	464.7	467.7	473.9	476.7
47.5°	433.5	436.0	438.6	444.1	445.7
50°	403.1	405.8	407.5	412.3	415.6
52.5°	372.4	374.9	376.8	379.7	383.0
55°	338.8	341.2	344.2	347.5	348.3
57.5°	304.6	307.2	309.2	312.7	316.2
60°	267.9	271.0	273.6	276.9	280.4
62.5°	233.8	235.0	237.8	243.2	248.4
65°	201.1	202.8	203.3	206.3	211.5
67.5°	174.0	174.0	171.5	172.6	178.3
70°	145.5	144.4	142.5	141.4	146.1
72.5°	122.4	121.0	117.0	115.1	117.6
75°	99.3	97.9	93.6	91.4	91.7
77.5°	79.8	77.6	74.1	70.3	69.5
80°	60.6	59.7	56.2	52.7	49.9
82.5°	42.9	41.0	39.1	36.9	34.7
85°	25.7	25.3	23.4	22.0	20.1
87.5°	10.6	10.6	10.1	9.5	9.0
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)