

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: P1046719

Luminaire Tested: 22PTR-20-PB1-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PB1-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

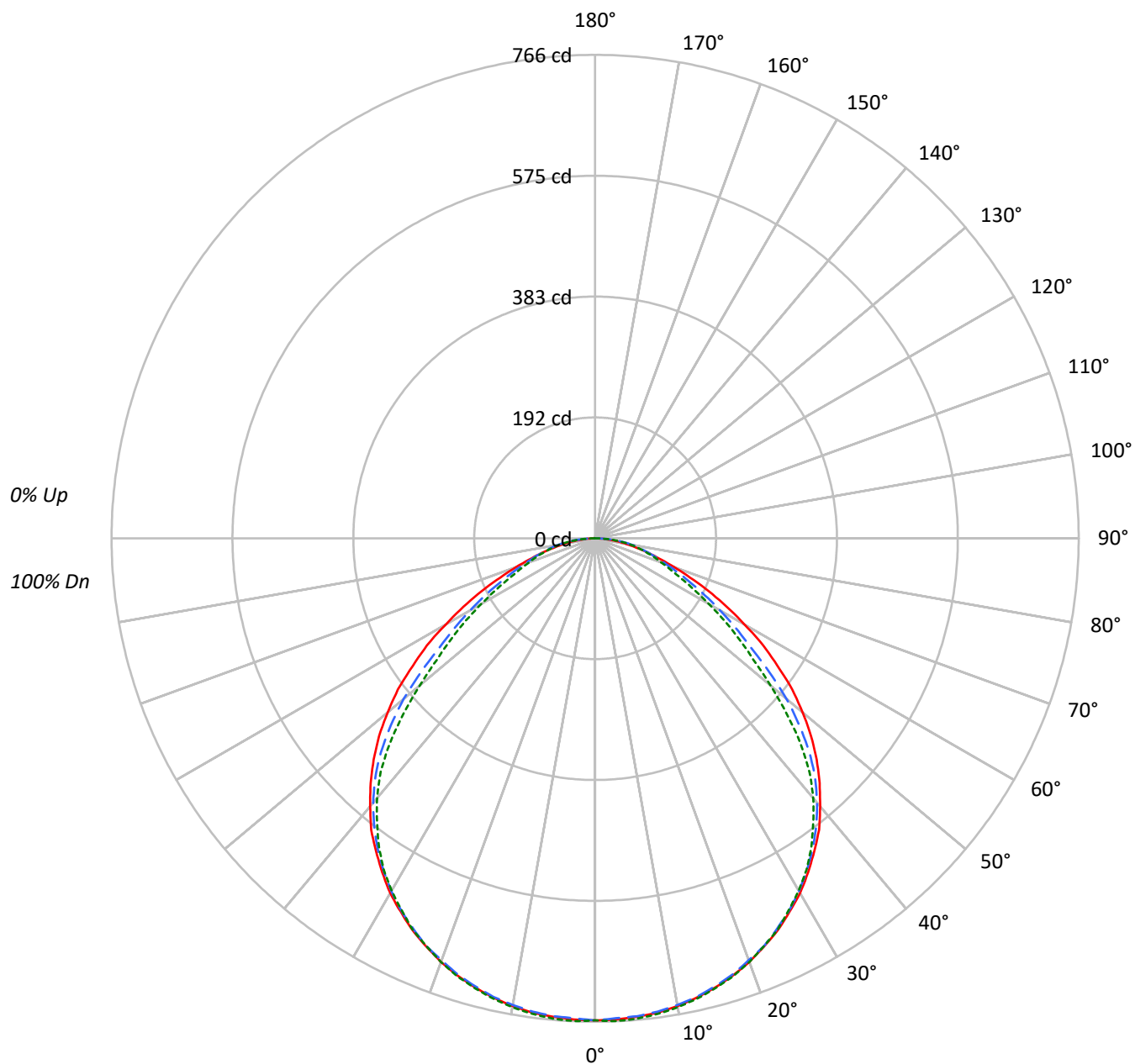
Lumens per Lamp: N/A
Luminaire Lumens: 1905.0 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	34	29	40	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°	72.4	3.8
10°-20°	207.9	10.9
20°-30°	314.9	16.5
30°-40°	375.2	19.7
40°-50°	366.9	19.3
50°-60°	277.5	14.6
60°-70°	170.5	9.0
70°-80°	90.8	4.8
80°-90°	29.0	1.5
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°	595.1	31.2
0°-40°	970.3	50.9
0°-60°	1614.7	84.8
0°-90°	1905.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1905.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	764	764	764	764	764	
5°	761	762	760	763	764	72
15°	737	738	735	738	738	208
25°	685	684	682	683	684	315
35°	605	604	600	598	597	378
45°	496	493	480	464	460	382
55°	352	334	300	283	278	316
65°	198	182	167	154	150	197
75°	84	86	86	84	82	91
85°	19	24	30	28	26	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	764.0	764.0	764.0	764.0	764.0
2.5°	763.1	764.0	761.1	765.0	765.8
5°	761.1	762.1	760.2	763.1	764.0
7.5°	758.3	758.3	756.5	759.2	760.2
10°	752.7	752.7	750.9	753.6	754.6
12.5°	745.2	745.2	744.2	746.1	747.1
15°	736.7	737.6	734.9	737.6	737.6
17.5°	726.4	725.5	724.5	726.4	727.4
20°	714.2	714.2	711.4	713.3	714.2
22.5°	700.0	700.0	699.2	700.0	699.2
25°	685.0	684.1	682.2	683.2	684.1
27.5°	667.2	667.2	665.3	665.3	664.3
30°	649.3	648.3	645.6	643.7	644.6
32.5°	627.7	626.7	624.0	622.1	623.0
35°	605.1	604.3	600.5	597.6	596.8
37.5°	582.6	579.8	575.1	571.3	567.6
40°	554.4	551.6	546.9	538.4	537.5
42.5°	526.2	523.5	515.9	505.6	502.7
45°	496.1	493.4	480.1	464.2	460.4
47.5°	464.2	459.5	438.8	419.1	411.6
50°	428.6	420.1	395.6	370.2	361.8
52.5°	393.7	378.7	346.8	324.2	315.8
55°	352.4	334.5	299.8	282.8	278.1
57.5°	315.8	291.3	263.1	246.2	242.5
60°	273.5	250.9	228.4	213.3	207.7
62.5°	234.9	215.2	196.4	183.2	176.7
65°	198.3	182.3	167.3	154.1	149.5
67.5°	162.6	154.1	141.9	131.6	128.7
70°	132.5	127.8	119.4	114.6	110.9
72.5°	105.3	107.1	101.5	99.6	96.8
75°	84.5	85.5	86.4	83.7	81.8
77.5°	63.9	68.6	72.3	70.4	68.6
80°	47.9	52.6	59.2	56.4	56.4
82.5°	32.9	38.6	44.2	42.3	41.3
85°	18.8	24.5	30.1	28.2	26.3
87.5°	7.5	12.2	13.1	13.1	12.2
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)