

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: P1046902

Luminaire Tested: 22PTR-20-PP3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046902
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PP3-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

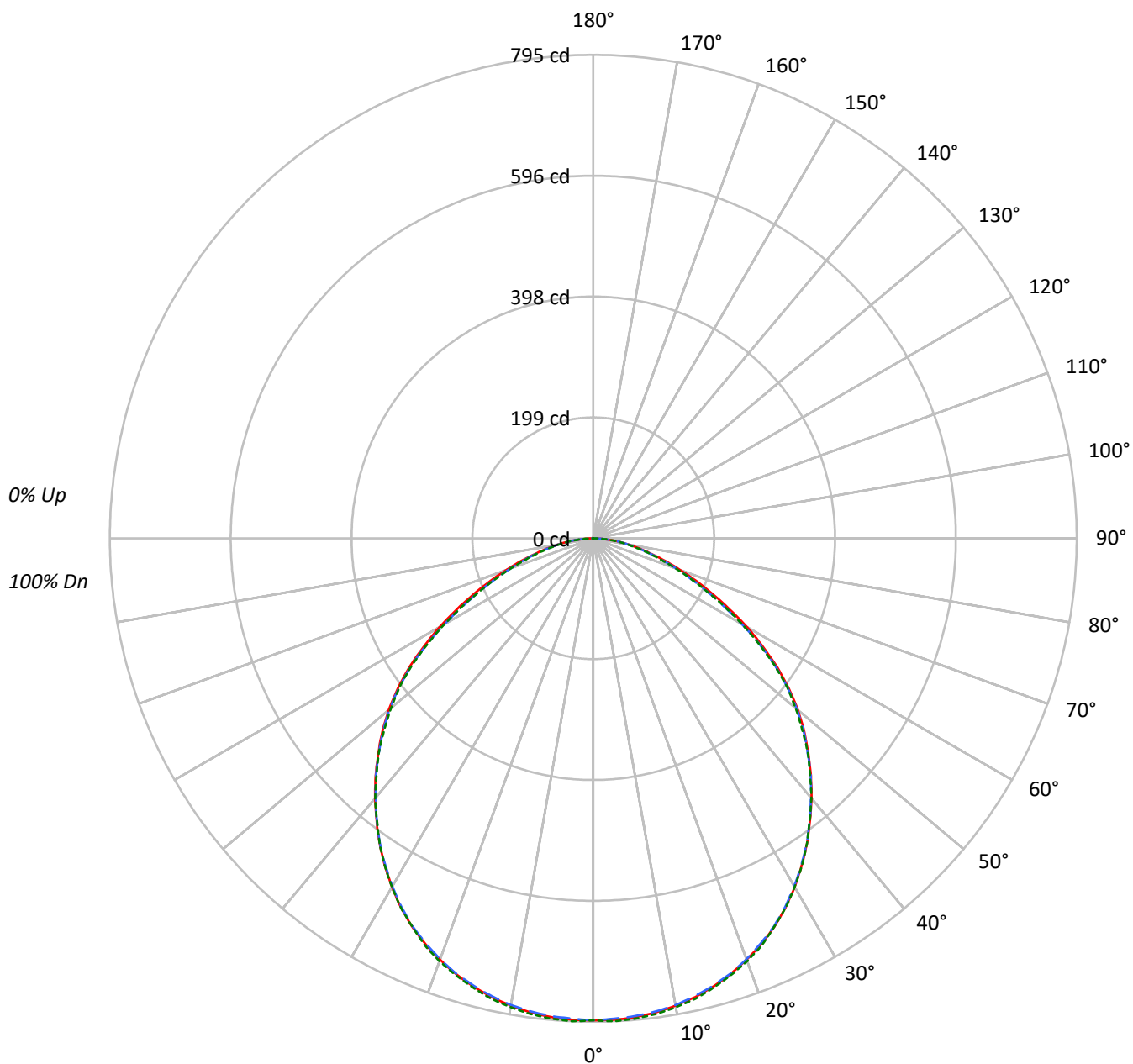
Lumens per Lamp: N/A
Luminaire Lumens: 2048.6 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	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°	75.2	3.7
10°-20°	215.4	10.5
20°-30°	324.3	15.8
30°-40°	382.8	18.7
40°-50°	385.0	18.8
50°-60°	325.0	15.9
60°-70°	208.7	10.2
70°-80°	103.8	5.1
80°-90°	28.4	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°	614.9	30.0
0°-40°	997.7	48.7
0°-60°	1707.7	83.4
0°-90°	2048.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2048.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	791	791	789	793	793	75
15°	763	763	762	765	765	215
25°	705	705	704	705	704	324
35°	613	613	612	612	612	383
45°	500	502	498	499	499	386
55°	369	369	365	363	364	328
65°	217	214	206	204	206	216
75°	99	99	96	95	94	107
85°	24	25	25	24	24	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.9	792.9	792.9	792.9	792.9
2.5°	792.6	792.9	790.8	794.6	795.2
5°	790.6	790.8	788.8	792.6	793.1
7.5°	786.5	786.8	785.0	788.5	789.1
10°	780.4	781.4	779.3	782.5	783.1
12.5°	773.0	773.3	771.2	775.0	775.6
15°	763.0	763.2	761.5	765.0	765.0
17.5°	751.4	751.7	750.5	753.5	753.2
20°	737.4	738.2	736.7	738.7	739.9
22.5°	722.1	722.4	720.6	723.2	724.4
25°	704.8	705.0	703.7	705.0	704.5
27.5°	684.7	685.2	683.2	684.7	685.0
30°	662.2	663.6	660.8	662.0	662.2
32.5°	638.0	638.9	636.9	637.2	638.6
35°	612.7	613.0	611.9	612.4	612.4
37.5°	585.4	586.6	584.8	585.6	584.5
40°	558.3	557.2	556.6	557.2	558.0
42.5°	529.8	530.1	529.3	528.6	527.3
45°	499.9	501.6	498.4	499.0	499.0
47.5°	470.6	470.8	469.1	467.3	466.2
50°	439.2	439.2	437.1	435.8	434.0
52.5°	404.9	404.4	402.1	400.6	401.5
55°	368.9	368.6	364.7	363.2	363.5
57.5°	329.5	330.1	324.1	322.6	322.6
60°	291.9	288.9	282.0	280.1	282.6
62.5°	252.3	248.9	241.5	241.5	243.5
65°	216.7	213.5	205.8	203.7	205.5
67.5°	183.3	180.4	173.3	172.1	172.7
70°	151.6	149.1	144.7	142.1	143.1
72.5°	124.3	122.0	119.1	117.1	116.0
75°	99.2	98.7	95.6	94.6	93.5
77.5°	78.5	78.3	75.7	74.6	73.4
80°	59.0	58.7	58.1	56.4	55.5
82.5°	42.0	42.0	41.7	40.3	39.4
85°	24.5	25.3	25.3	23.8	23.8
87.5°	9.8	10.4	9.8	9.8	9.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)