

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: P1046897

Luminaire Tested: 22PTR-20-PP3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046897
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-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

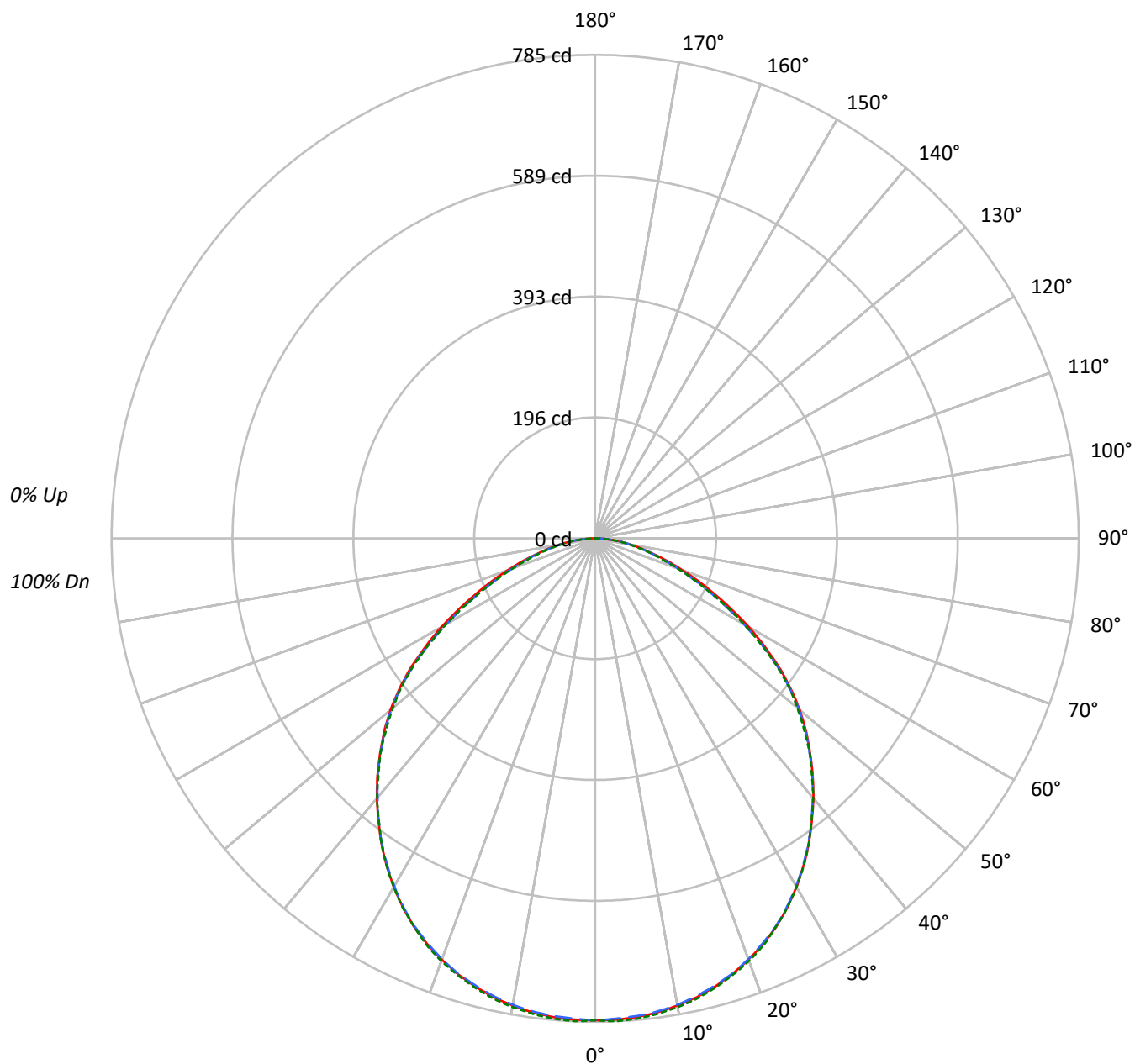
Lumens per Lamp: N/A
Luminaire Lumens: 2022.4 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		99	96	93			95	92	90			91
2	100	92	86	80	97	90	84	79		87	82	78			84	79	76			81
3	92	81	74	67	89	80	73	67		77	71	66			74	69	65			72
4	84	73	64	58	82	71	63	57		69	62	56			66	60	56			64
5	77	65	56	50	75	64	56	50		62	55	49			60	54	49			58
6	72	59	50	44	70	58	50	44		56	49	43			54	48	43			53
7	66	53	45	39	65	52	44	39		51	44	38			50	43	38			48
8	62	49	40	35	60	48	40	35		47	39	34			45	39	34			44
9	58	45	37	31	57	44	36	31		43	36	31			42	35	31			41
10	54	41	34	28	53	41	33	28		40	33	28			39	33	28			38

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°	74.2	3.7
10°-20°	212.7	10.5
20°-30°	320.2	15.8
30°-40°	377.9	18.7
40°-50°	380.0	18.8
50°-60°	320.8	15.9
60°-70°	206.0	10.2
70°-80°	102.5	5.1
80°-90°	28.1	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°	607.1	30.0
0°-40°	984.9	48.7
0°-60°	1685.8	83.4
0°-90°	2022.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2022.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	783	783	783	783	783	
5°	780	781	779	782	783	74
15°	753	753	752	755	755	213
25°	696	696	695	696	696	320
35°	605	605	604	605	605	378
45°	494	495	492	493	493	381
55°	364	364	360	358	359	324
65°	214	211	203	201	203	213
75°	98	98	94	93	92	106
85°	24	25	25	24	24	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	782.8	782.8	782.8	782.8	782.8
2.5°	782.4	782.8	780.7	784.4	785.0
5°	780.5	780.7	778.7	782.4	783.0
7.5°	776.5	776.8	775.0	778.4	779.0
10°	770.5	771.4	769.3	772.5	773.1
12.5°	763.1	763.5	761.4	765.1	765.7
15°	753.2	753.4	751.8	755.2	755.2
17.5°	741.8	742.1	740.9	743.8	743.5
20°	727.9	728.8	727.3	729.3	730.4
22.5°	712.9	713.2	711.4	714.0	715.1
25°	695.8	696.0	694.7	696.0	695.5
27.5°	675.9	676.4	674.5	675.9	676.2
30°	653.7	655.2	652.4	653.5	653.7
32.5°	629.9	630.7	628.7	629.0	630.5
35°	604.9	605.2	604.0	604.6	604.6
37.5°	577.9	579.1	577.3	578.1	577.0
40°	551.2	550.1	549.4	550.1	550.9
42.5°	523.0	523.3	522.5	521.9	520.5
45°	493.5	495.2	492.0	492.7	492.7
47.5°	464.6	464.8	463.1	461.4	460.2
50°	433.6	433.6	431.5	430.2	428.4
52.5°	399.7	399.2	397.0	395.5	396.3
55°	364.2	363.9	360.0	358.5	358.9
57.5°	325.3	325.9	319.9	318.5	318.5
60°	288.1	285.2	278.4	276.5	279.0
62.5°	249.1	245.7	238.4	238.4	240.3
65°	213.9	210.8	203.2	201.1	202.9
67.5°	181.0	178.1	171.1	169.9	170.4
70°	149.7	147.2	142.9	140.3	141.2
72.5°	122.8	120.5	117.6	115.6	114.5
75°	98.0	97.5	94.4	93.4	92.3
77.5°	77.5	77.3	74.7	73.6	72.5
80°	58.2	57.9	57.4	55.6	54.8
82.5°	41.5	41.5	41.2	39.7	38.9
85°	24.2	25.0	25.0	23.5	23.5
87.5°	9.7	10.2	9.7	9.7	9.4
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)