

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: P1046771

Luminaire Tested: 22PTR-20-PC3-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046771
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PC3-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

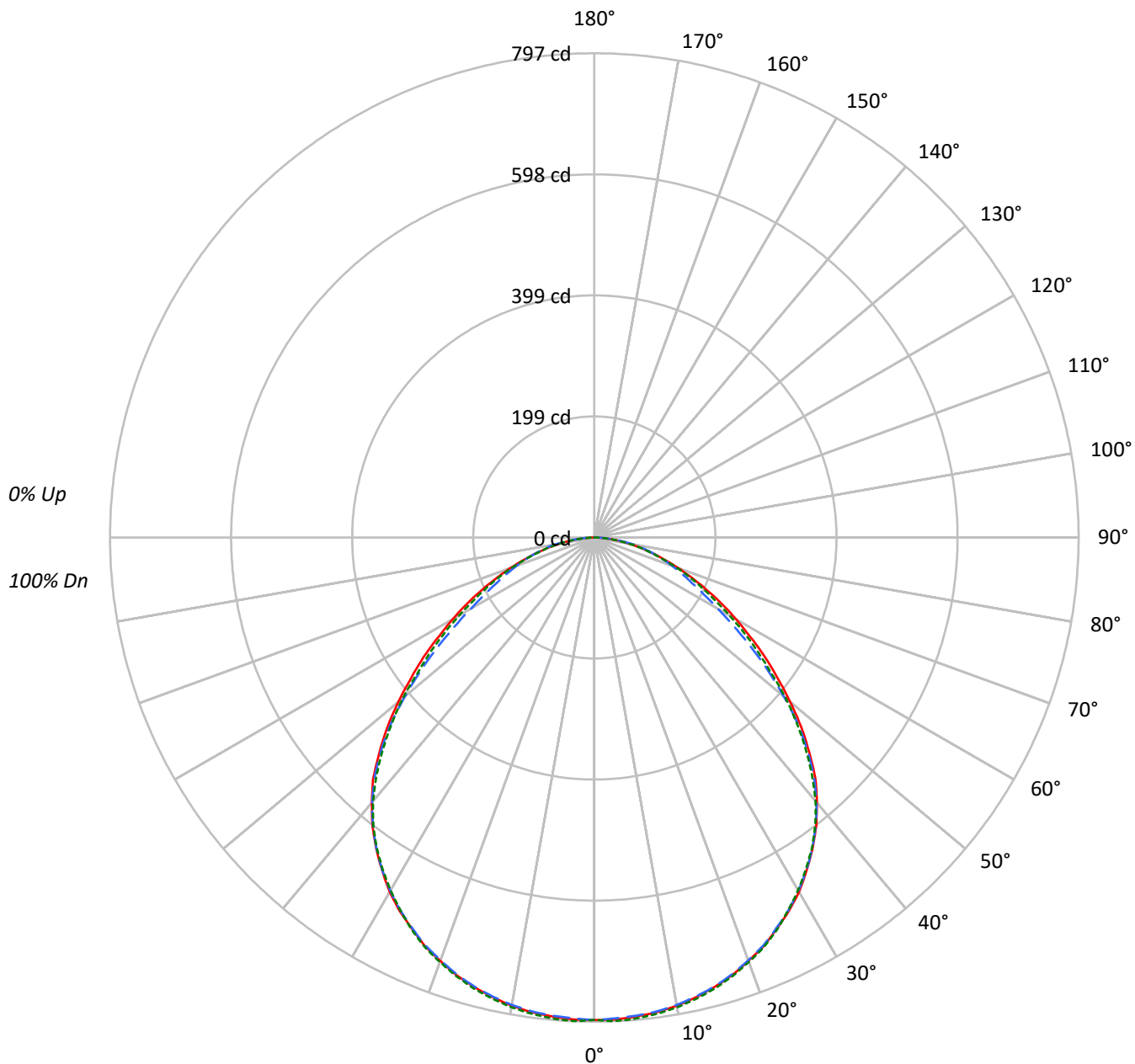
Lumens per Lamp: N/A
Luminaire Lumens: 2003.1 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	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°	75.4	3.8
10°-20°	216.3	10.8
20°-30°	327.5	16.3
30°-40°	390.4	19.5
40°-50°	381.5	19.0
50°-60°	291.7	14.6
60°-70°	187.3	9.4
70°-80°	104.2	5.2
80°-90°	28.8	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°	619.1	30.9
0°-40°	1009.6	50.4
0°-60°	1682.8	84.0
0°-90°	2003.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2003.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	794	794	794	794	794	
5°	792	792	790	794	795	75
15°	766	766	765	768	768	216
25°	710	711	709	712	712	328
35°	626	626	625	625	624	391
45°	500	501	496	495	491	385
55°	343	331	315	319	329	306
65°	204	188	177	183	195	203
75°	98	99	99	98	96	104
85°	21	25	25	24	21	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	794.5	794.5	794.5	794.5	794.5
2.5°	794.0	794.3	792.2	795.6	796.8
5°	791.7	792.2	790.3	794.0	794.8
7.5°	788.3	788.8	786.9	790.6	790.9
10°	782.6	782.9	781.2	784.9	785.4
12.5°	775.0	775.8	773.9	777.3	777.5
15°	765.8	766.4	765.0	767.6	768.4
17.5°	755.1	755.4	753.9	756.7	757.0
20°	741.6	741.6	740.5	743.7	743.7
22.5°	728.0	727.2	726.9	728.0	729.8
25°	710.5	711.3	709.3	711.6	712.1
27.5°	693.4	693.4	691.7	692.8	691.4
30°	673.8	672.7	671.5	671.7	670.4
32.5°	650.2	650.2	649.6	649.6	647.9
35°	625.8	626.3	625.2	624.9	624.0
37.5°	599.6	600.5	598.4	597.9	597.3
40°	569.7	569.7	568.9	567.8	566.3
42.5°	538.8	538.8	535.1	532.3	530.3
45°	500.1	501.3	496.4	495.3	491.4
47.5°	461.7	460.9	454.4	453.6	451.3
50°	420.8	416.0	406.7	409.2	411.2
52.5°	380.0	374.0	360.3	363.1	366.5
55°	342.7	330.8	314.9	318.8	329.1
57.5°	303.8	287.9	272.0	279.4	292.1
60°	269.4	251.5	234.2	242.1	256.9
62.5°	236.4	217.4	203.5	211.1	223.6
65°	203.5	187.8	177.1	183.0	195.2
67.5°	173.4	162.8	155.5	158.3	168.2
70°	146.1	139.5	135.6	136.4	142.1
72.5°	120.2	118.5	117.1	117.1	117.6
75°	97.8	98.6	99.4	98.1	95.8
77.5°	77.0	79.8	81.9	79.0	76.2
80°	56.6	61.1	63.7	60.5	56.3
82.5°	38.6	43.8	44.6	42.6	37.8
85°	21.3	25.0	25.3	24.5	21.3
87.5°	8.0	9.4	10.2	9.4	8.3
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)