

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: P1046939

Luminaire Tested: 22PTR-20-PR1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PR1-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

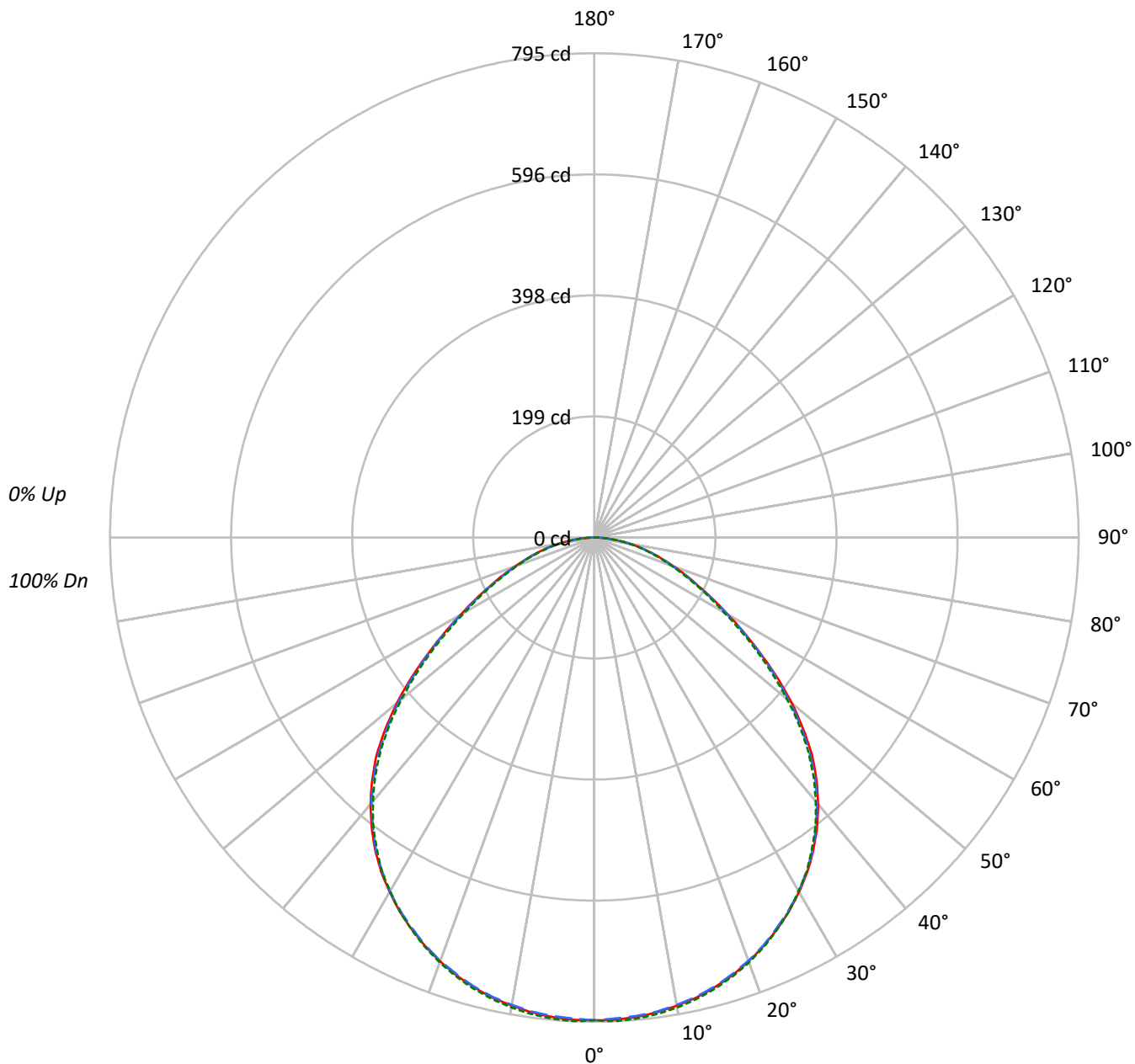
Lumens per Lamp: N/A
Luminaire Lumens: 2005.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	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°	75.2	3.8
10°-20°	215.9	10.8
20°-30°	327.0	16.3
30°-40°	390.4	19.5
40°-50°	383.9	19.1
50°-60°	296.7	14.8
60°-70°	187.1	9.3
70°-80°	101.2	5.0
80°-90°	27.6	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°	618.1	30.8
0°-40°	1008.4	50.3
0°-60°	1689.1	84.2
0°-90°	2005.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2005.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	793	793	793	793	793	
5°	790	791	789	792	793	75
15°	764	765	763	766	767	216
25°	710	710	708	710	710	327
35°	627	627	625	625	623	391
45°	506	504	500	496	496	387
55°	334	337	332	327	326	300
65°	188	189	187	184	184	190
75°	97	96	95	95	93	103
85°	24	24	23	24	22	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	792.8	792.8	792.8	792.8	792.8
2.5°	792.5	792.8	790.5	794.2	795.1
5°	790.5	790.8	788.8	792.2	793.1
7.5°	786.5	787.1	785.2	788.6	789.4
10°	780.8	781.4	779.5	782.9	783.7
12.5°	773.8	774.0	772.4	775.5	776.3
15°	764.4	764.6	763.3	765.8	766.9
17.5°	753.6	753.9	751.9	755.0	755.5
20°	740.6	740.8	739.6	742.2	742.5
22.5°	726.0	726.6	724.9	727.1	727.5
25°	709.6	710.1	707.8	710.1	710.4
27.5°	692.2	692.5	690.5	692.2	691.9
30°	672.0	673.8	671.2	670.6	670.4
32.5°	651.1	651.3	648.8	648.2	649.3
35°	626.9	627.1	625.4	624.6	622.9
37.5°	600.5	600.5	597.3	596.7	596.4
40°	571.5	571.1	569.2	567.2	565.2
42.5°	539.9	540.5	536.5	533.0	532.5
45°	505.5	503.5	499.8	495.9	496.2
47.5°	464.9	465.4	460.4	457.2	456.3
50°	422.8	422.8	418.0	414.6	412.9
52.5°	378.8	379.1	374.6	370.0	369.1
55°	333.9	336.7	332.4	327.1	325.9
57.5°	291.9	294.1	290.1	284.4	284.1
60°	252.9	253.2	252.0	246.6	245.2
62.5°	219.7	218.3	217.6	214.8	213.1
65°	188.4	188.7	187.3	184.1	183.6
67.5°	163.1	162.8	160.2	158.3	157.1
70°	138.3	137.5	136.4	134.7	133.6
72.5°	116.3	116.3	115.3	114.8	112.8
75°	96.9	95.8	94.7	95.2	92.9
77.5°	78.5	77.3	76.4	75.3	74.7
80°	59.4	58.2	58.5	56.8	56.6
82.5°	41.2	41.2	40.7	39.2	39.5
85°	23.5	23.8	23.3	23.5	22.4
87.5°	8.6	8.8	9.4	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)