

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: P1046981

Luminaire Tested: 22PTR-20-PW1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PW1-L840-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

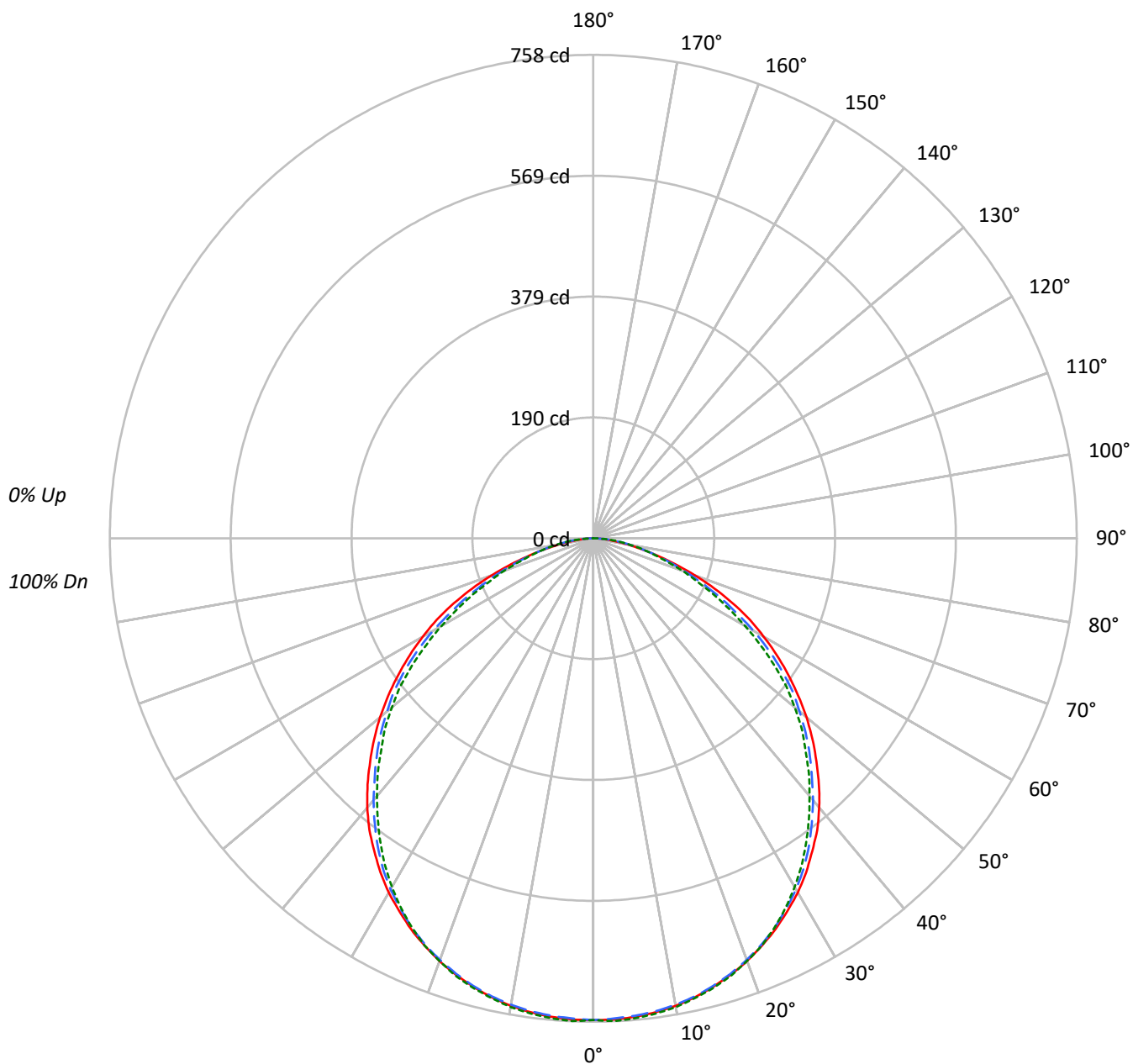
Lumens per Lamp: N/A
Luminaire Lumens: 2005.0 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	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	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	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°	71.6	3.6
10°-20°	205.5	10.3
20°-30°	310.6	15.5
30°-40°	368.8	18.4
40°-50°	371.5	18.5
50°-60°	321.2	16.0
60°-70°	219.5	10.9
70°-80°	108.2	5.4
80°-90°	28.0	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°	587.7	29.3
0°-40°	956.5	47.7
0°-60°	1649.2	82.3
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°	756	756	756	756	756	
5°	753	754	752	755	756	72
15°	728	729	727	729	730	205
25°	676	676	674	674	673	312
35°	599	596	590	584	582	375
45°	495	489	480	474	470	382
55°	373	372	360	350	346	333
65°	241	232	219	209	208	238
75°	102	101	100	100	97	111
85°	19	23	25	25	25	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	755.5	755.5	755.5	755.5	755.5
2.5°	755.3	755.5	753.6	756.9	757.8
5°	753.3	753.6	751.6	754.7	755.5
7.5°	749.7	750.2	748.0	751.0	751.6
10°	744.3	744.6	742.7	745.7	746.4
12.5°	737.1	737.3	735.7	738.4	738.4
15°	727.8	728.7	726.7	729.3	729.5
17.5°	717.5	717.8	715.8	718.6	719.2
20°	705.2	705.2	703.5	705.8	705.2
22.5°	691.4	691.4	689.5	690.6	691.1
25°	676.4	675.8	673.5	674.1	673.0
27.5°	659.0	659.0	655.0	655.0	653.1
30°	641.4	640.0	635.8	633.2	631.3
32.5°	621.1	619.2	613.9	609.4	608.0
35°	598.6	596.5	589.5	584.2	582.0
37.5°	576.7	572.2	562.9	557.7	555.1
40°	551.1	545.6	536.1	528.8	527.6
42.5°	523.8	519.3	507.0	501.6	500.3
45°	494.7	489.3	480.0	474.4	470.3
47.5°	466.1	462.1	451.6	444.8	443.4
50°	436.1	432.7	421.9	414.6	412.1
52.5°	405.1	402.8	393.6	384.3	381.3
55°	372.9	371.8	360.3	349.6	346.0
57.5°	341.3	339.9	325.5	313.2	309.9
60°	308.2	304.1	290.0	278.5	274.9
62.5°	276.9	267.9	252.8	243.8	239.7
65°	241.0	232.3	218.9	209.4	208.0
67.5°	205.8	195.4	185.0	179.1	174.7
70°	169.1	162.0	154.2	149.2	148.4
72.5°	134.9	129.9	125.9	122.9	120.3
75°	102.1	101.3	99.9	99.9	97.1
77.5°	75.1	77.0	78.1	77.8	78.4
80°	52.1	55.9	58.2	58.5	58.2
82.5°	33.1	37.5	41.2	41.7	42.3
85°	19.3	22.7	24.9	25.4	24.9
87.5°	8.6	10.9	11.5	12.0	11.5
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)