

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: P1046730

Luminaire Tested: 22PTR-25-PB1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046730
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PB1-L840-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

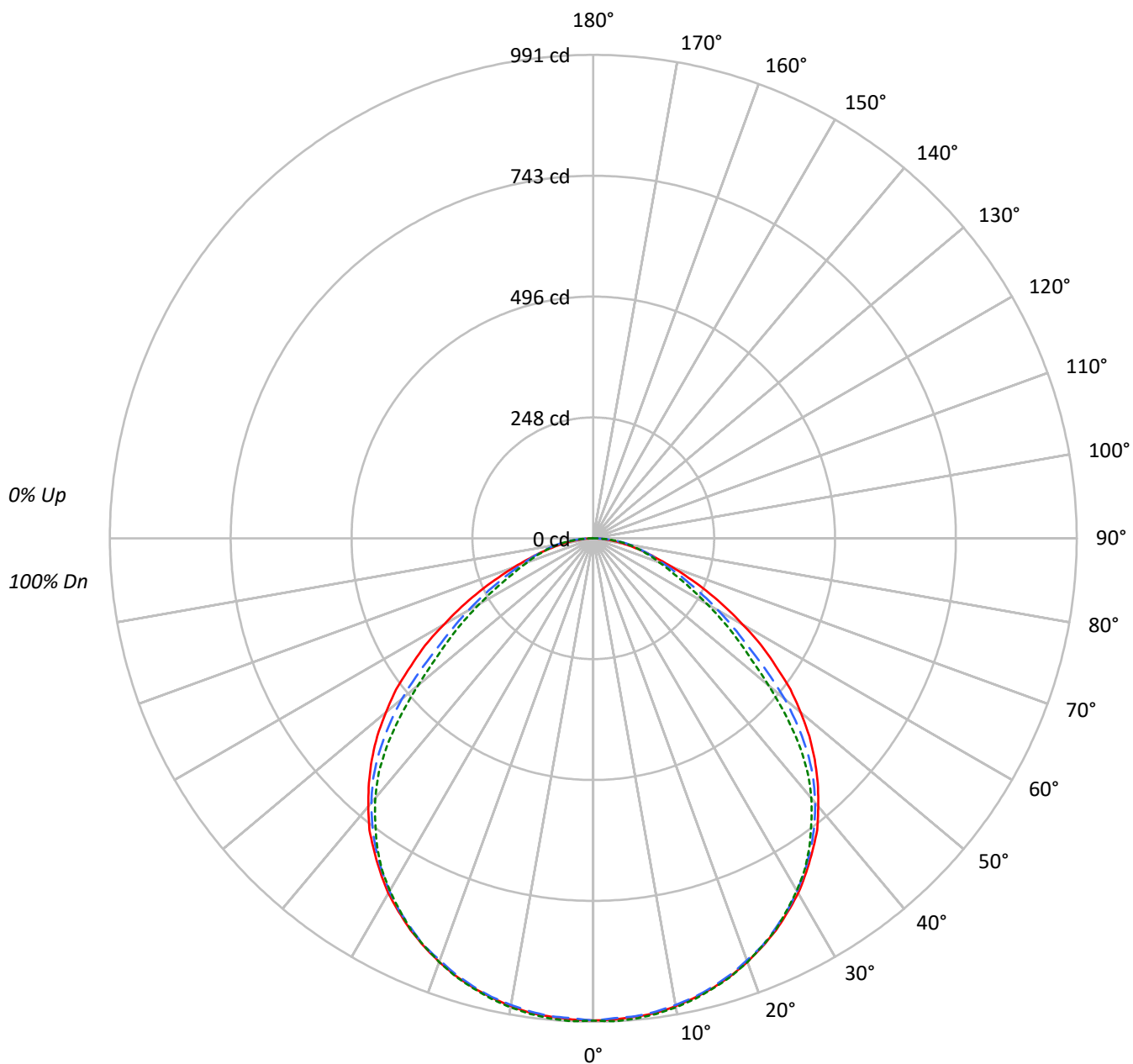
Lumens per Lamp: N/A
Luminaire Lumens: 2465.0 lumens
Efficiency: N/A
Efficacy: 129.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	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°	93.7	3.8
10°-20°	269.0	10.9
20°-30°	407.4	16.5
30°-40°	485.5	19.7
40°-50°	474.7	19.3
50°-60°	359.1	14.6
60°-70°	220.6	8.9
70°-80°	117.5	4.8
80°-90°	37.5	1.5
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°	770.1	31.2
0°-40°	1255.6	50.9
0°-60°	2089.4	84.8
0°-90°	2465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	989	989	989	989	989	
5°	985	986	984	987	989	94
15°	953	954	951	954	954	269
25°	886	885	883	884	885	408
35°	783	782	777	773	772	490
45°	642	638	621	601	596	494
55°	456	433	388	366	360	408
65°	257	236	216	199	193	255
75°	109	111	112	108	106	117
85°	24	32	39	36	34	29
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	988.6	988.6	988.6	988.6	988.6
2.5°	987.4	988.6	984.8	989.8	991.0
5°	984.8	986.1	983.7	987.4	988.6
7.5°	981.3	981.3	978.8	982.4	983.7
10°	974.0	974.0	971.6	975.1	976.4
12.5°	964.3	964.3	963.0	965.4	966.7
15°	953.3	954.5	950.9	954.5	954.5
17.5°	939.9	938.8	937.5	939.9	941.2
20°	924.1	924.1	920.5	922.9	924.1
22.5°	905.8	905.8	904.7	905.8	904.7
25°	886.4	885.2	882.7	884.0	885.2
27.5°	863.3	863.3	860.9	860.9	859.6
30°	840.2	838.9	835.4	832.9	834.1
32.5°	812.3	811.0	807.4	805.0	806.1
35°	783.0	781.9	777.0	773.3	772.2
37.5°	753.9	750.2	744.1	739.2	734.4
40°	717.4	713.7	707.7	696.7	695.5
42.5°	680.9	677.3	667.5	654.2	650.5
45°	642.0	638.4	621.3	600.6	595.8
47.5°	600.6	594.6	567.8	542.3	532.6
50°	554.5	543.5	511.9	479.1	468.1
52.5°	509.5	490.1	448.7	419.5	408.6
55°	456.0	432.9	387.9	366.0	359.9
57.5°	408.6	377.0	340.5	318.6	313.8
60°	353.9	324.6	295.5	276.0	268.7
62.5°	303.9	278.4	254.2	237.1	228.6
65°	256.6	235.9	216.5	199.4	193.4
67.5°	210.4	199.4	183.6	170.3	166.6
70°	171.4	165.3	154.5	148.3	143.5
72.5°	136.2	138.6	131.4	128.9	125.2
75°	109.4	110.7	111.8	108.3	105.8
77.5°	82.7	88.7	93.6	91.1	88.7
80°	62.0	68.0	76.6	73.0	73.0
82.5°	42.5	49.9	57.2	54.8	53.5
85°	24.4	31.7	38.9	36.5	34.1
87.5°	9.7	15.8	17.0	17.0	15.8
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)