

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: P1046977

Luminaire Tested: 22PTR-25-PW1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046977
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-25-PW1-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

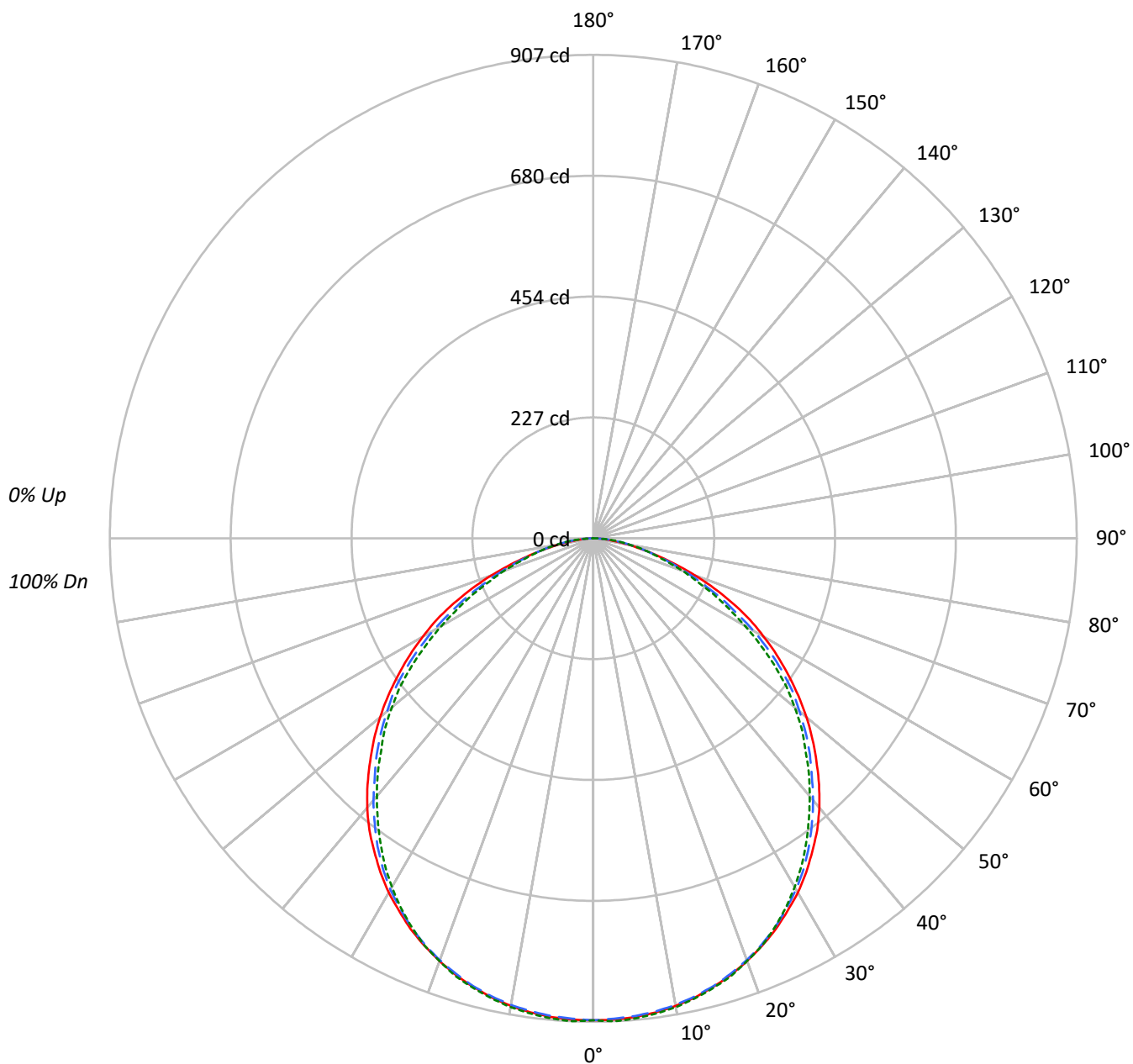
Lumens per Lamp: N/A
Luminaire Lumens: 2399.8 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	103	99	95		98	95	92		94	92	90		91	89	87
2	100	92	85	80		97	90	84	79		86	81	77		83	79	75		80	77	74
3	91	81	73	67		89	79	72	66		76	70	65		74	68	64		71	67	63
4	84	72	63	57		81	71	63	57		68	61	56		66	60	55		64	59	54
5	77	64	56	49		75	63	55	49		61	54	48		59	53	48		57	52	47
6	71	58	49	43		69	57	49	43		55	48	42		54	47	42		52	46	42
7	66	53	44	38		64	52	44	38		50	43	38		49	42	37		48	42	37
8	62	48	40	34		60	48	40	34		46	39	34		45	38	34		44	38	33
9	58	44	36	31		56	44	36	31		43	35	30		41	35	30		40	34	30
10	54	41	33	28		53	40	33	28		39	32	28		38	32	28		38	32	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°	85.8	3.6
10°-20°	246.0	10.2
20°-30°	371.7	15.5
30°-40°	441.4	18.4
40°-50°	444.7	18.5
50°-60°	384.4	16.0
60°-70°	262.7	10.9
70°-80°	129.6	5.4
80°-90°	33.5	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°	703.5	29.3
0°-40°	1144.9	47.7
0°-60°	1974.0	82.3
0°-90°	2399.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2399.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	902	902	900	903	904	86
15°	871	872	870	873	873	246
25°	810	809	806	807	806	373
35°	716	714	706	699	697	448
45°	592	586	575	568	563	457
55°	446	445	431	418	414	399
65°	288	278	262	251	249	285
75°	122	121	120	120	116	133
85°	23	27	30	30	30	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	904.3	904.3	904.3	904.3	904.3
2.5°	904.0	904.3	902.0	906.0	907.0
5°	901.6	902.0	899.7	903.3	904.3
7.5°	897.3	897.9	895.3	898.9	899.7
10°	890.9	891.2	888.9	892.6	893.3
12.5°	882.2	882.5	880.5	883.8	883.8
15°	871.2	872.1	869.8	872.9	873.1
17.5°	858.7	859.1	856.8	860.1	860.8
20°	844.0	844.0	842.1	844.7	844.0
22.5°	827.6	827.6	825.3	826.6	827.2
25°	809.6	808.8	806.1	806.9	805.5
27.5°	788.7	788.7	784.0	784.0	781.7
30°	767.7	766.0	761.0	757.9	755.6
32.5°	743.4	741.1	734.8	729.4	727.7
35°	716.4	714.0	705.6	699.2	696.6
37.5°	690.2	684.9	673.8	667.5	664.4
40°	659.7	653.0	641.7	632.9	631.5
42.5°	626.9	621.6	606.8	600.4	598.8
45°	592.1	585.6	574.6	567.9	562.9
47.5°	557.9	553.1	540.5	532.4	530.7
50°	522.0	517.9	504.9	496.3	493.2
52.5°	484.8	482.2	471.1	460.0	456.3
55°	446.4	445.0	431.3	418.5	414.1
57.5°	408.5	406.8	389.6	374.9	370.9
60°	368.9	363.9	347.1	333.4	329.0
62.5°	331.4	320.7	302.6	291.8	286.9
65°	288.4	278.1	262.0	250.6	249.0
67.5°	246.3	233.9	221.5	214.4	209.1
70°	202.4	194.0	184.6	178.6	177.6
72.5°	161.4	155.5	150.7	147.1	144.0
75°	122.2	121.3	119.6	119.6	116.3
77.5°	89.9	92.2	93.5	93.1	93.9
80°	62.3	67.0	69.6	70.0	69.6
82.5°	39.6	44.9	49.3	49.9	50.7
85°	23.1	27.2	29.8	30.4	29.8
87.5°	10.3	13.0	13.8	14.4	13.8
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)