

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: P1046893

Luminaire Tested: 22PTR-25-PP3-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046893
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PP3-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

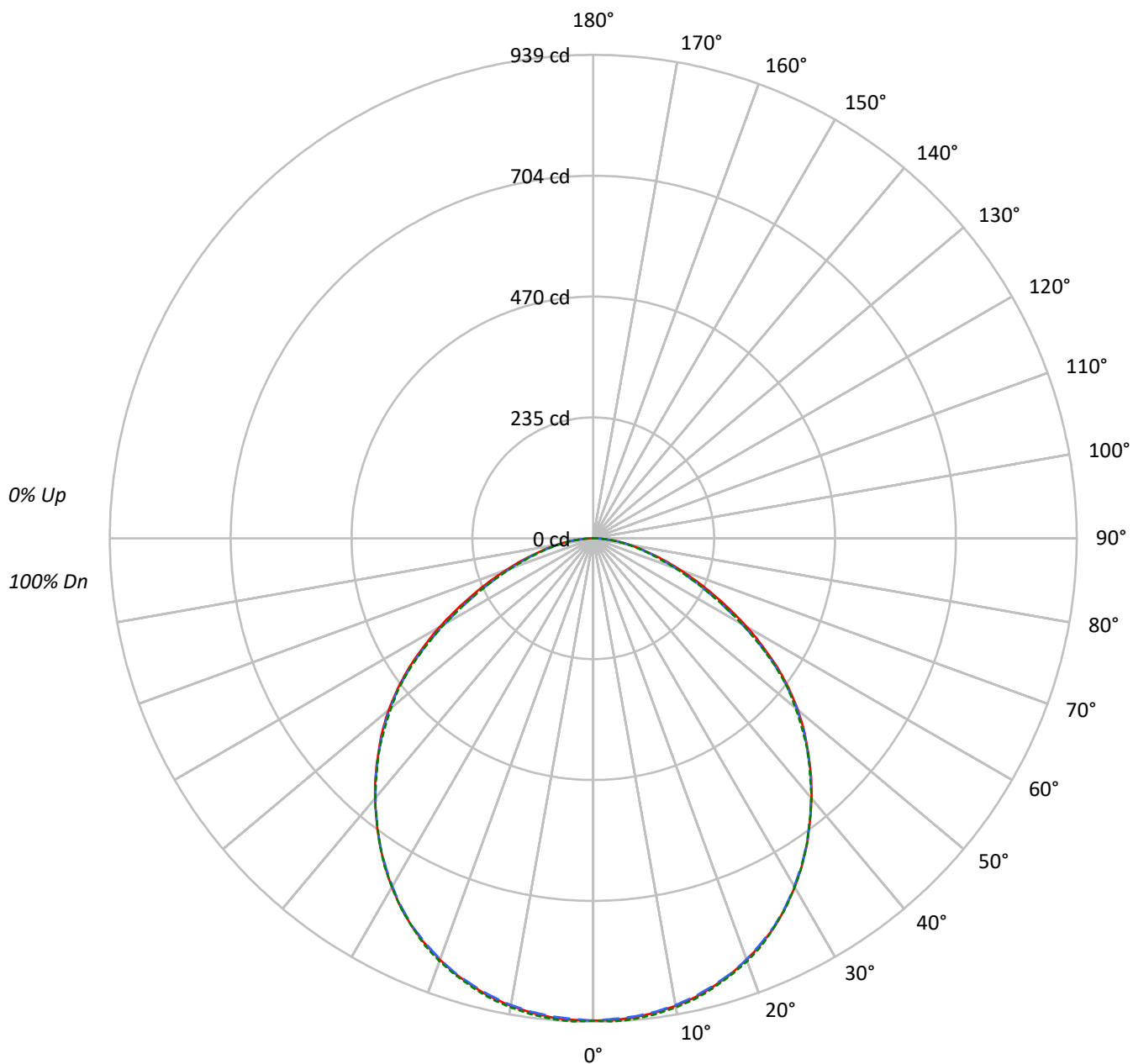
Lumens per Lamp: N/A
Luminaire Lumens: 2420.1 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	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°	88.8	3.7
10°-20°	254.5	10.5
20°-30°	383.1	15.8
30°-40°	452.2	18.7
40°-50°	454.8	18.8
50°-60°	383.9	15.9
60°-70°	246.6	10.2
70°-80°	122.6	5.1
80°-90°	33.6	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°	726.4	30.0
0°-40°	1178.6	48.7
0°-60°	2017.3	83.4
0°-90°	2420.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2420.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	937	937	937	937	937	
5°	934	934	932	936	937	89
15°	901	902	900	904	904	254
25°	833	833	831	833	832	383
35°	724	724	723	723	723	452
45°	590	593	589	590	590	456
55°	436	436	431	429	429	388
65°	256	252	243	241	243	255
75°	117	117	113	112	110	127
85°	29	30	30	28	28	34
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	936.7	936.7	936.7	936.7	936.7
2.5°	936.3	936.7	934.2	938.7	939.4
5°	934.0	934.2	931.9	936.3	936.9
7.5°	929.1	929.5	927.4	931.5	932.2
10°	922.0	923.1	920.6	924.4	925.1
12.5°	913.2	913.6	911.1	915.6	916.3
15°	901.3	901.6	899.6	903.7	903.7
17.5°	887.6	888.0	886.6	890.1	889.7
20°	871.1	872.1	870.3	872.7	874.0
22.5°	853.0	853.4	851.3	854.4	855.8
25°	832.7	832.9	831.3	832.9	832.3
27.5°	808.8	809.4	807.1	808.8	809.2
30°	782.3	784.0	780.6	782.0	782.3
32.5°	753.7	754.7	752.4	752.7	754.5
35°	723.8	724.2	722.8	723.4	723.4
37.5°	691.6	692.9	690.8	691.8	690.5
40°	659.6	658.2	657.5	658.2	659.2
42.5°	625.9	626.2	625.2	624.5	622.9
45°	590.5	592.6	588.8	589.5	589.5
47.5°	555.9	556.2	554.2	552.1	550.7
50°	518.9	518.9	516.4	514.8	512.7
52.5°	478.3	477.7	475.0	473.3	474.3
55°	435.8	435.5	430.8	429.1	429.4
57.5°	389.3	390.0	382.9	381.1	381.1
60°	344.8	341.3	333.2	330.8	333.8
62.5°	298.1	294.0	285.3	285.3	287.6
65°	256.0	252.3	243.1	240.7	242.8
67.5°	216.6	213.1	204.7	203.3	204.0
70°	179.1	176.2	171.0	167.9	169.0
72.5°	146.9	144.2	140.7	138.4	137.0
75°	117.2	116.6	112.9	111.8	110.4
77.5°	92.8	92.5	89.4	88.1	86.7
80°	69.7	69.3	68.7	66.6	65.6
82.5°	49.7	49.7	49.3	47.6	46.6
85°	28.9	29.9	29.9	28.2	28.2
87.5°	11.6	12.2	11.6	11.6	11.2
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)