

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: P1046725

Luminaire Tested: 22PTR-25-PB1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046725
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-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

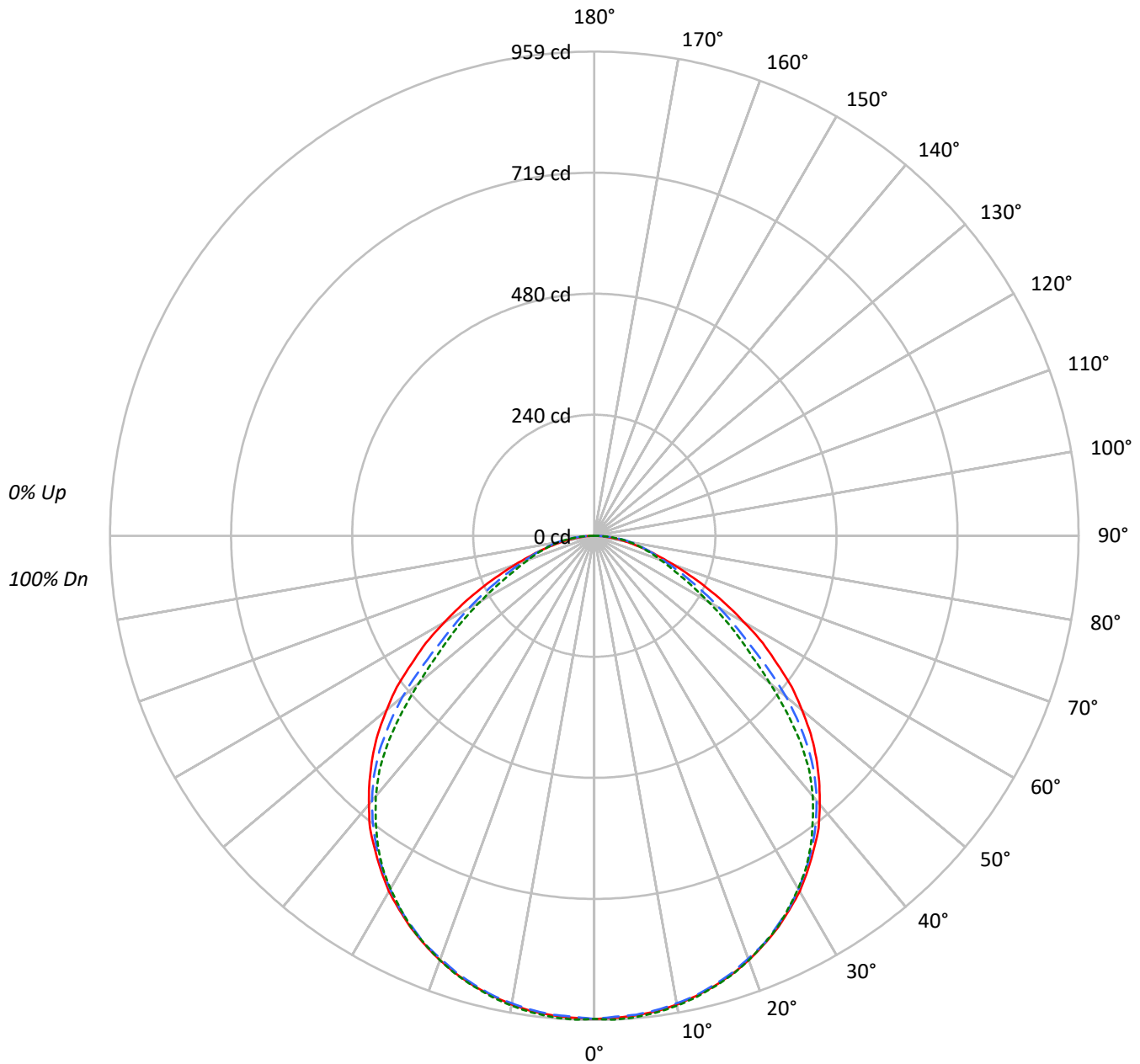
Lumens per Lamp: N/A
Luminaire Lumens: 2386.0 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 19
Input Voltage (V): 120
Input Current (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	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°	90.7	3.8
10°-20°	260.3	10.9
20°-30°	394.4	16.5
30°-40°	469.9	19.7
40°-50°	459.5	19.3
50°-60°	347.6	14.6
60°-70°	213.5	8.9
70°-80°	113.8	4.8
80°-90°	36.3	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°	745.4	31.2
0°-40°	1215.3	50.9
0°-60°	2022.4	84.8
0°-90°	2386.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	957	957	957	957	957	
5°	953	954	952	956	957	91
15°	923	924	920	924	924	260
25°	858	857	854	856	857	395
35°	758	757	752	748	747	474
45°	621	618	601	581	577	478
55°	441	419	376	354	348	395
65°	248	228	210	193	187	247
75°	106	107	108	105	102	114
85°	24	31	38	35	33	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	956.9	956.9	956.9	956.9	956.9
2.5°	955.8	956.9	953.3	958.1	959.2
5°	953.3	954.5	952.2	955.8	956.9
7.5°	949.8	949.8	947.5	950.9	952.2
10°	942.8	942.8	940.4	943.9	945.1
12.5°	933.4	933.4	932.2	934.5	935.7
15°	922.8	923.9	920.4	923.9	923.9
17.5°	909.8	908.7	907.4	909.8	911.0
20°	894.5	894.5	891.0	893.4	894.5
22.5°	876.8	876.8	875.7	876.8	875.7
25°	858.0	856.8	854.4	855.7	856.8
27.5°	835.7	835.7	833.3	833.3	832.1
30°	813.3	812.1	808.6	806.2	807.4
32.5°	786.2	785.0	781.5	779.2	780.3
35°	757.9	756.8	752.1	748.5	747.4
37.5°	729.8	726.2	720.2	715.6	710.9
40°	694.4	690.8	685.0	674.4	673.2
42.5°	659.1	655.6	646.1	633.3	629.7
45°	621.4	617.9	601.4	581.4	576.7
47.5°	581.4	575.6	549.6	524.9	515.5
50°	536.8	526.1	495.5	463.7	453.1
52.5°	493.1	474.4	434.3	406.0	395.5
55°	441.4	419.0	375.5	354.3	348.3
57.5°	395.5	364.9	329.5	308.4	303.7
60°	342.5	314.2	286.0	267.1	260.1
62.5°	294.2	269.5	246.0	229.5	221.3
65°	248.4	228.3	209.6	193.0	187.2
67.5°	203.6	193.0	177.7	164.8	161.2
70°	165.9	160.0	149.5	143.6	138.9
72.5°	131.8	134.2	127.1	124.8	121.2
75°	105.9	107.1	108.2	104.8	102.4
77.5°	80.1	85.9	90.6	88.2	85.9
80°	60.1	65.9	74.1	70.7	70.7
82.5°	41.1	48.3	55.4	53.0	51.8
85°	23.6	30.6	37.7	35.3	33.0
87.5°	9.4	15.3	16.4	16.4	15.3
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)