

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: P1046777

Luminaire Tested: 22PTR-25-PC3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-25-PC3-L850-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

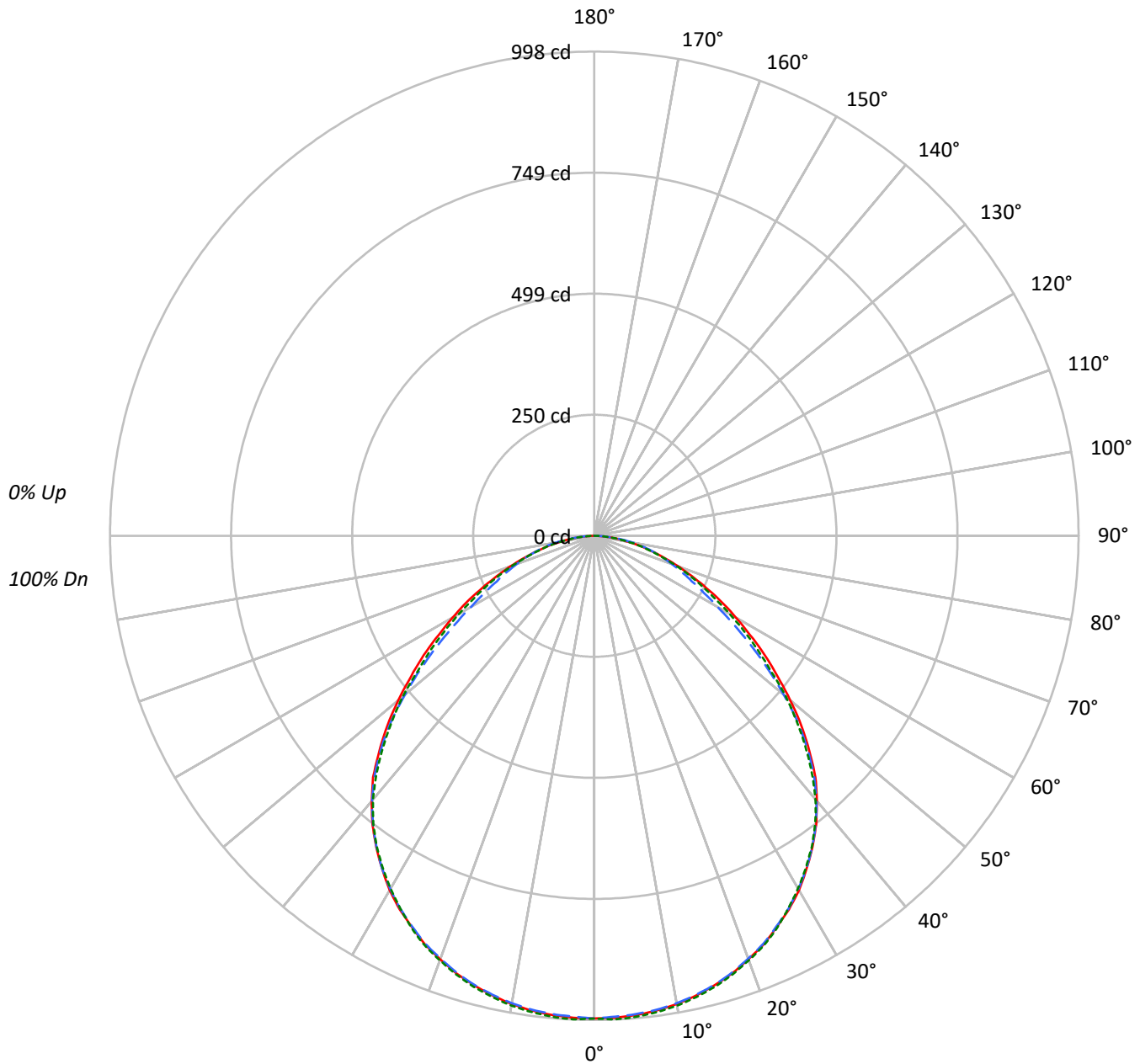
Lumens per Lamp: N/A
Luminaire Lumens: 2508.4 lumens
Efficiency: N/A
Efficacy: 132.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	92	90	91	89	87	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72		
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62		
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54		
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47		
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41		
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37		
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33		
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30		
10	55	42	34	29	54	41	34	29	40	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°	94.4	3.8
10°-20°	270.9	10.8
20°-30°	410.1	16.3
30°-40°	488.9	19.5
40°-50°	477.7	19.0
50°-60°	365.3	14.6
60°-70°	234.5	9.3
70°-80°	130.5	5.2
80°-90°	36.0	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°	775.3	30.9
0°-40°	1264.3	50.4
0°-60°	2107.4	84.0
0°-90°	2508.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2508.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	992	992	990	994	995	94
15°	959	960	958	961	962	271
25°	890	891	888	891	892	410
35°	784	784	783	782	782	490
45°	626	628	622	620	615	482
55°	429	414	394	399	412	384
65°	255	235	222	229	244	254
75°	122	124	124	123	120	131
85°	27	31	32	31	27	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.0	995.0	995.0	995.0	995.0
2.5°	994.3	994.7	992.1	996.4	997.8
5°	991.5	992.1	989.7	994.3	995.3
7.5°	987.2	987.8	985.4	990.0	990.4
10°	980.1	980.5	978.3	982.9	983.6
12.5°	970.5	971.6	969.1	973.4	973.6
15°	959.0	959.8	958.0	961.2	962.2
17.5°	945.6	946.0	944.1	947.6	948.0
20°	928.8	928.8	927.3	931.3	931.3
22.5°	911.7	910.7	910.3	911.7	913.9
25°	889.7	890.7	888.3	891.1	891.8
27.5°	868.4	868.4	866.2	867.6	865.8
30°	843.8	842.4	841.0	841.2	839.5
32.5°	814.2	814.2	813.6	813.6	811.4
35°	783.7	784.3	782.9	782.5	781.5
37.5°	750.8	752.0	749.4	748.8	748.0
40°	713.5	713.5	712.4	711.0	709.2
42.5°	674.7	674.7	670.2	666.5	664.1
45°	626.3	627.7	621.7	620.2	615.3
47.5°	578.2	577.2	569.0	568.0	565.2
50°	527.0	520.9	509.3	512.4	515.0
52.5°	475.8	468.3	451.3	454.7	459.0
55°	429.1	414.3	394.4	399.3	412.1
57.5°	380.4	360.5	340.6	349.9	365.8
60°	337.3	315.0	293.3	303.2	321.7
62.5°	296.1	272.3	254.8	264.4	280.1
65°	254.8	235.2	221.7	229.1	244.5
67.5°	217.1	203.9	194.7	198.2	210.6
70°	183.0	174.7	169.8	170.8	177.9
72.5°	150.5	148.4	146.6	146.6	147.3
75°	122.4	123.5	124.5	122.8	120.0
77.5°	96.5	99.9	102.5	98.9	95.4
80°	70.9	76.5	79.8	75.8	70.5
82.5°	48.4	54.8	55.9	53.4	47.3
85°	26.6	31.3	31.7	30.6	26.6
87.5°	10.0	11.8	12.8	11.8	10.3
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)