

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: P1046776

Luminaire Tested: 22PTR-20-PC3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046776
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-20-PC3-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

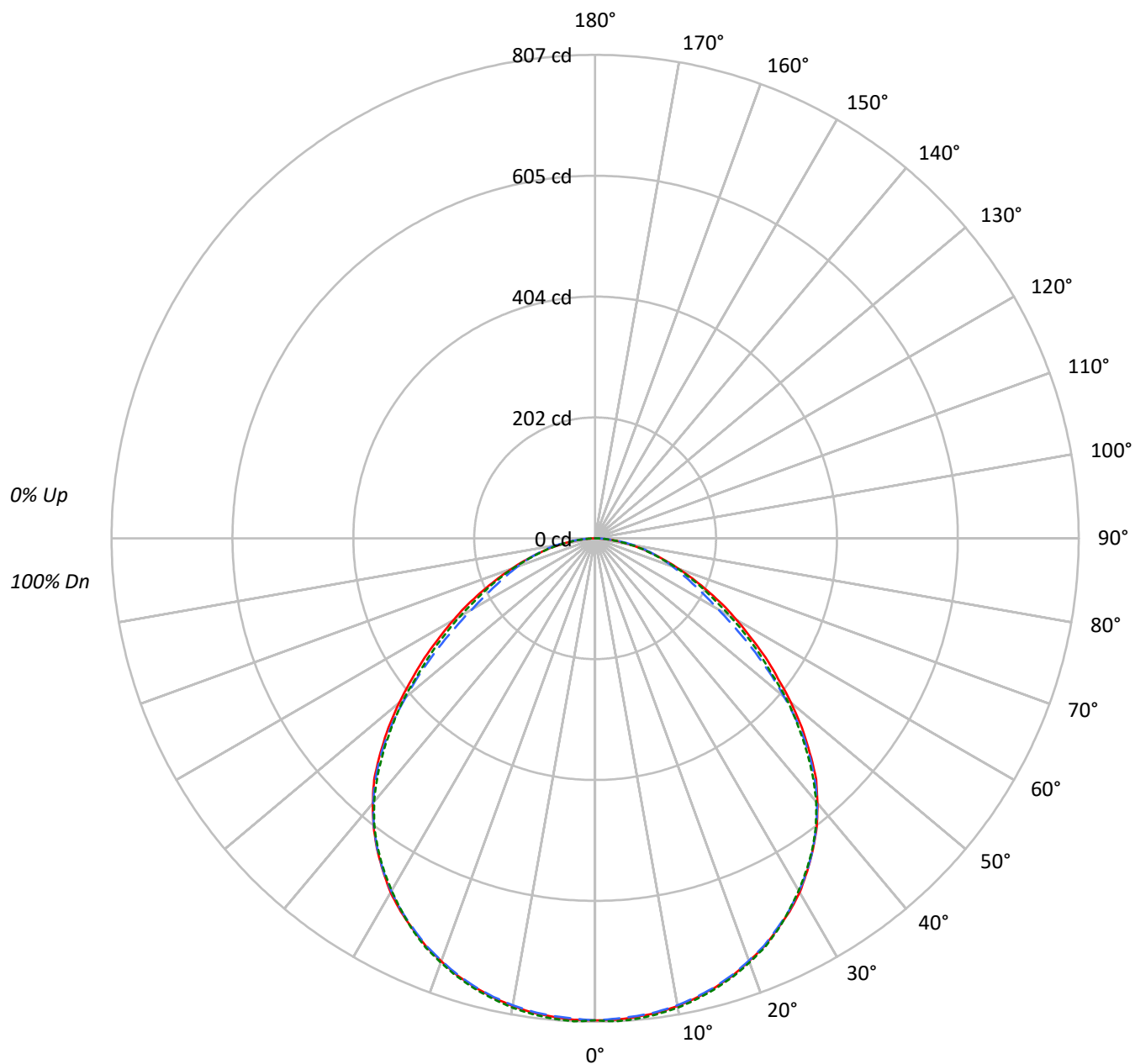
Lumens per Lamp: N/A
Luminaire Lumens: 2029.2 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
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	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°	76.3	3.8
10°-20°	219.1	10.8
20°-30°	331.8	16.3
30°-40°	395.5	19.5
40°-50°	386.5	19.0
50°-60°	295.5	14.6
60°-70°	189.7	9.4
70°-80°	105.6	5.2
80°-90°	29.2	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°	627.2	30.9
0°-40°	1022.8	50.4
0°-60°	1704.8	84.0
0°-90°	2029.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2029.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	805	805	805	805	805	
5°	802	803	801	804	805	76
15°	776	776	775	778	778	219
25°	720	721	719	721	721	332
35°	634	634	633	633	632	396
45°	507	508	503	502	498	390
55°	347	335	319	323	333	310
65°	206	190	179	185	198	206
75°	99	100	101	99	97	106
85°	22	25	26	25	22	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	804.9	804.9	804.9	804.9	804.9
2.5°	804.4	804.7	802.6	806.0	807.2
5°	802.1	802.6	800.6	804.4	805.2
7.5°	798.6	799.1	797.2	800.9	801.2
10°	792.9	793.2	791.4	795.2	795.7
12.5°	785.1	786.0	784.0	787.4	787.6
15°	775.8	776.4	775.0	777.6	778.4
17.5°	764.9	765.3	763.8	766.6	766.9
20°	751.3	751.3	750.2	753.4	753.4
22.5°	737.5	736.7	736.4	737.5	739.3
25°	719.7	720.6	718.6	720.9	721.4
27.5°	702.5	702.5	700.7	701.9	700.4
30°	682.6	681.5	680.3	680.5	679.2
32.5°	658.7	658.7	658.1	658.1	656.4
35°	634.0	634.5	633.4	633.0	632.2
37.5°	607.4	608.4	606.3	605.7	605.1
40°	577.2	577.2	576.3	575.2	573.7
42.5°	545.8	545.8	542.1	539.2	537.2
45°	506.7	507.8	502.9	501.8	497.8
47.5°	467.8	466.9	460.3	459.5	457.2
50°	426.3	421.4	412.0	414.5	416.6
52.5°	384.9	378.9	365.1	367.9	371.3
55°	347.2	335.1	319.0	323.0	333.4
57.5°	307.7	291.6	275.5	283.0	295.9
60°	272.9	254.8	237.2	245.3	260.2
62.5°	239.5	220.3	206.2	213.9	226.6
65°	206.2	190.3	179.4	185.4	197.8
67.5°	175.6	165.0	157.5	160.4	170.4
70°	148.0	141.3	137.3	138.2	143.9
72.5°	121.8	120.1	118.6	118.6	119.1
75°	99.1	99.9	100.7	99.4	97.1
77.5°	78.0	80.9	82.9	80.0	77.2
80°	57.3	61.9	64.5	61.3	57.0
82.5°	39.1	44.4	45.2	43.2	38.3
85°	21.5	25.3	25.6	24.8	21.5
87.5°	8.1	9.5	10.4	9.5	8.4
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)