

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: P1046944

Luminaire Tested: 22PTR-20-PR1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PR1-L850-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND RIPPLE LENS

Light Source:
Ballast/Driver: -

Summary

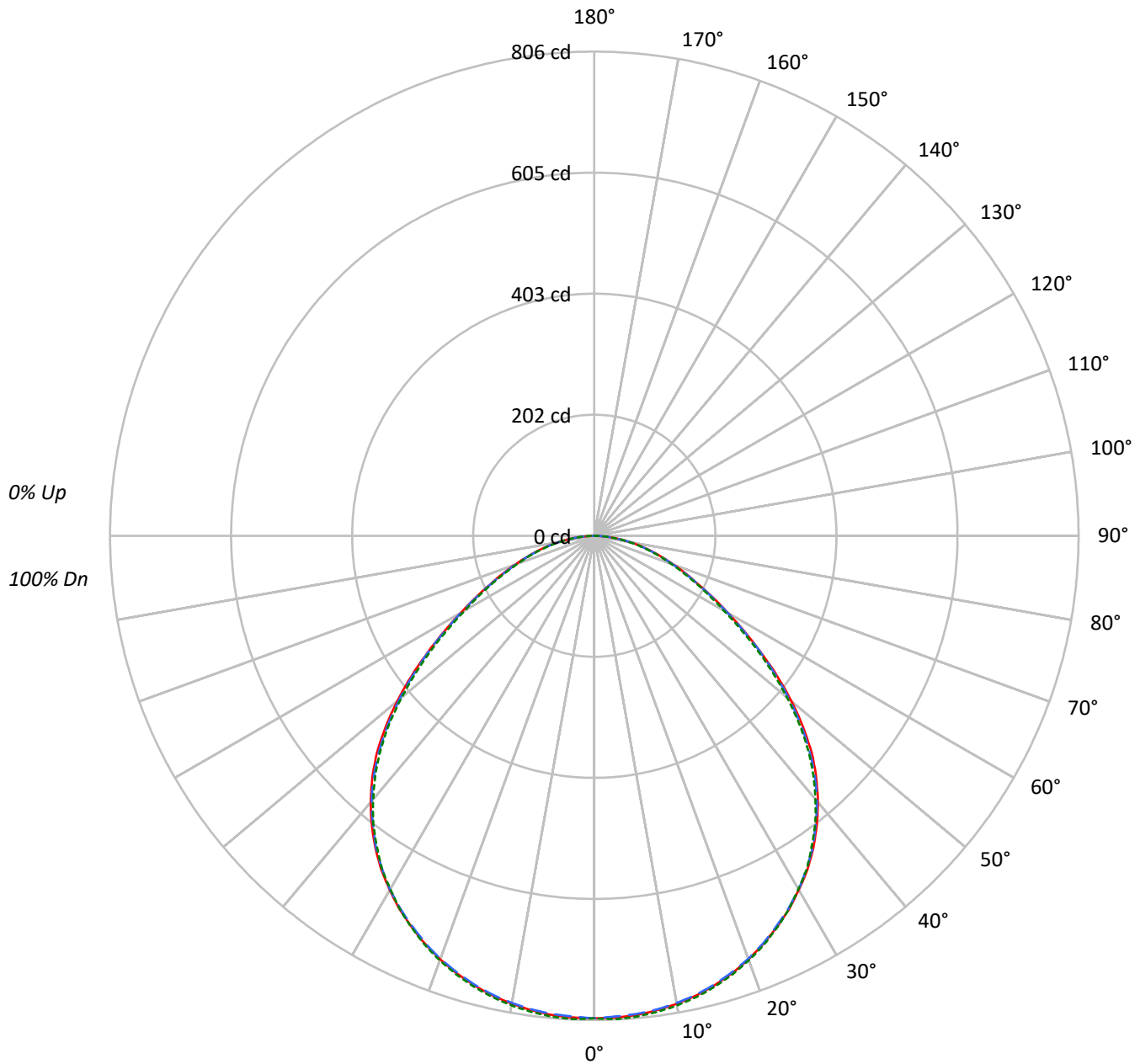
Lumens per Lamp: N/A
Luminaire Lumens: 2031.2 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): 120
Input Current (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	88	85		
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73		
3	92	82	74	68	90	80	73	68	78	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	45	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	39	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°	76.2	3.8
10°-20°	218.7	10.8
20°-30°	331.3	16.3
30°-40°	395.5	19.5
40°-50°	388.9	19.1
50°-60°	300.6	14.8
60°-70°	189.5	9.3
70°-80°	102.5	5.0
80°-90°	28.0	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°	626.1	30.8
0°-40°	1021.6	50.3
0°-60°	1711.1	84.2
0°-90°	2031.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2031.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	803	803	803	803	803	
5°	801	801	799	802	804	76
15°	774	775	773	776	777	219
25°	719	719	717	719	720	331
35°	635	635	634	633	631	397
45°	512	510	506	502	503	392
55°	338	341	337	331	330	304
65°	191	191	190	186	186	192
75°	98	97	96	96	94	104
85°	24	24	24	24	23	28
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	803.2	803.2	803.2	803.2	803.2
2.5°	802.8	803.2	800.9	804.6	805.5
5°	800.9	801.2	799.1	802.5	803.5
7.5°	796.8	797.4	795.4	798.9	799.7
10°	791.0	791.7	789.7	793.1	794.0
12.5°	783.9	784.1	782.4	785.6	786.4
15°	774.4	774.6	773.2	775.8	776.9
17.5°	763.4	763.7	761.7	764.9	765.4
20°	750.2	750.4	749.3	751.9	752.2
22.5°	735.5	736.1	734.3	736.6	737.0
25°	718.9	719.4	717.1	719.4	719.7
27.5°	701.3	701.5	699.5	701.3	701.0
30°	680.8	682.6	680.0	679.3	679.1
32.5°	659.6	659.8	657.3	656.6	657.8
35°	635.1	635.3	633.6	632.8	631.0
37.5°	608.3	608.3	605.1	604.5	604.2
40°	578.9	578.6	576.6	574.6	572.5
42.5°	546.9	547.5	543.5	540.0	539.5
45°	512.1	510.1	506.3	502.4	502.7
47.5°	471.0	471.5	466.4	463.1	462.3
50°	428.3	428.3	423.5	420.0	418.3
52.5°	383.7	384.1	379.5	374.9	373.9
55°	338.2	341.1	336.8	331.3	330.2
57.5°	295.7	298.0	293.9	288.1	287.8
60°	256.2	256.5	255.3	249.9	248.4
62.5°	222.6	221.1	220.5	217.7	215.9
65°	190.9	191.2	189.7	186.5	186.0
67.5°	165.3	164.9	162.3	160.3	159.2
70°	140.2	139.3	138.2	136.5	135.3
72.5°	117.8	117.8	116.8	116.3	114.3
75°	98.2	97.1	95.9	96.4	94.1
77.5°	79.5	78.3	77.4	76.2	75.7
80°	60.1	59.0	59.3	57.5	57.3
82.5°	41.7	41.7	41.2	39.7	40.1
85°	23.8	24.2	23.6	23.8	22.7
87.5°	8.7	8.9	9.5	8.9	8.9
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)