

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: P1046850

Luminaire Tested: 22PTR-20-PLG-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PLG-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

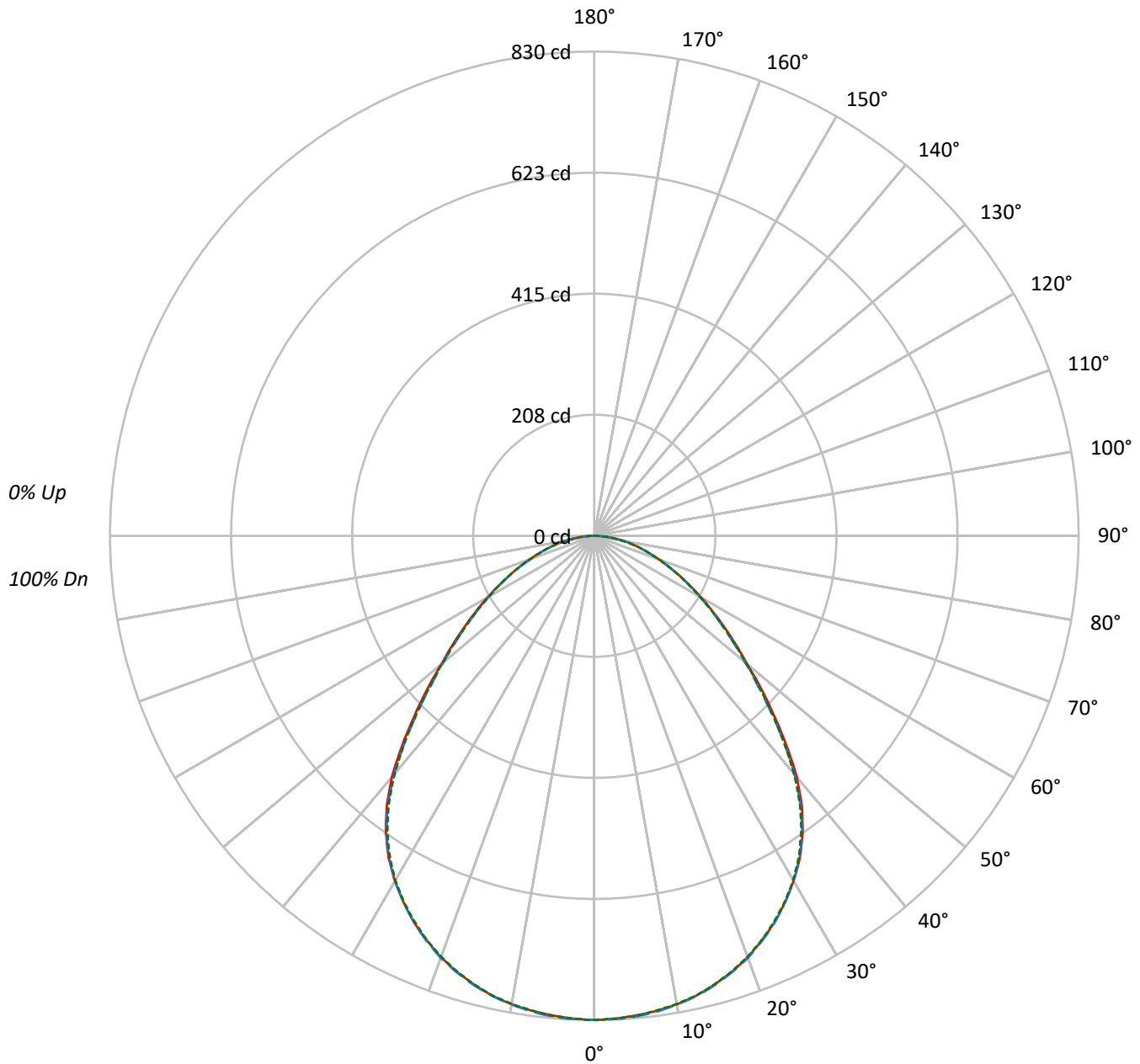
Lumens per Lamp: N/A
Luminaire Lumens: 1870.5 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046850

CATALOG NUMBER: 22PTR-20-PLG-L835-UNV-STD-W

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	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86		
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74		
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64		
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56		
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49		
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43		
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39		
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35		
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32		
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29		

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: -

TEST NUMBER: P1046850

CATALOG NUMBER: 22PTR-20-PLG-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	4.2
10°-20°	224.9	12.0
20°-30°	336.5	18.0
30°-40°	385.5	20.6
40°-50°	333.4	17.8
50°-60°	241.3	12.9
60°-70°	158.9	8.5
70°-80°	86.5	4.6
80°-90°	24.8	1.3
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°	639.9	34.2
0°-40°	1025.5	54.8
0°-60°	1600.2	85.6
0°-90°	1870.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1870.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	830	830	830	830	830	
5°	825	827	827	827	826	78
15°	796	797	798	799	796	225
25°	731	731	732	732	729	336
35°	623	622	621	620	618	387
45°	435	434	428	428	430	337
55°	271	270	267	265	268	244
65°	160	161	159	158	160	160
75°	82	82	81	81	82	87
85°	22	22	22	22	19	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	830.1	830.1	830.1	830.1	830.1
2.5°	828.3	830.1	829.5	830.1	828.3
5°	825.4	827.2	827.2	827.2	826.0
7.5°	821.3	822.4	823.0	823.6	820.7
10°	815.4	816.6	816.0	817.1	814.8
12.5°	807.7	807.7	808.3	809.5	807.1
15°	796.5	797.1	797.7	798.9	795.9
17.5°	783.6	784.1	784.7	785.3	783.0
20°	768.8	768.8	770.0	770.6	767.7
22.5°	750.6	750.6	751.7	753.5	750.0
25°	731.1	731.1	731.7	732.3	729.4
27.5°	708.1	708.1	708.7	710.5	707.0
30°	683.4	682.8	683.4	684.0	681.6
32.5°	655.7	655.1	654.5	655.1	652.2
35°	622.7	622.1	621.0	620.4	618.0
37.5°	584.4	583.3	580.9	580.9	578.5
40°	539.7	536.7	533.8	532.6	532.0
42.5°	487.8	485.5	481.3	480.7	480.7
45°	435.4	434.2	428.3	427.7	430.1
47.5°	388.2	385.3	380.0	378.8	382.4
50°	341.7	342.3	337.6	335.8	339.3
52.5°	305.2	304.0	299.9	298.7	301.6
55°	271.0	269.8	266.9	265.1	267.5
57.5°	239.8	239.2	236.2	235.7	236.8
60°	211.5	210.9	208.6	208.0	208.6
62.5°	185.0	185.0	182.6	181.5	183.2
65°	160.2	161.4	159.1	157.9	159.7
67.5°	137.9	139.0	136.7	135.5	137.9
70°	116.7	117.8	115.5	114.3	116.7
72.5°	98.4	99.0	97.2	96.6	99.6
75°	81.9	81.9	80.7	80.7	81.9
77.5°	66.6	66.0	65.4	65.4	64.2
80°	51.3	50.7	50.7	50.7	48.9
82.5°	36.5	35.3	35.9	36.5	33.6
85°	21.8	21.8	21.8	22.4	19.4
87.5°	8.8	8.8	8.2	8.8	7.7
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)