

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: P1046808

Luminaire Tested: 22PTR-20-PL1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20-PL1-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

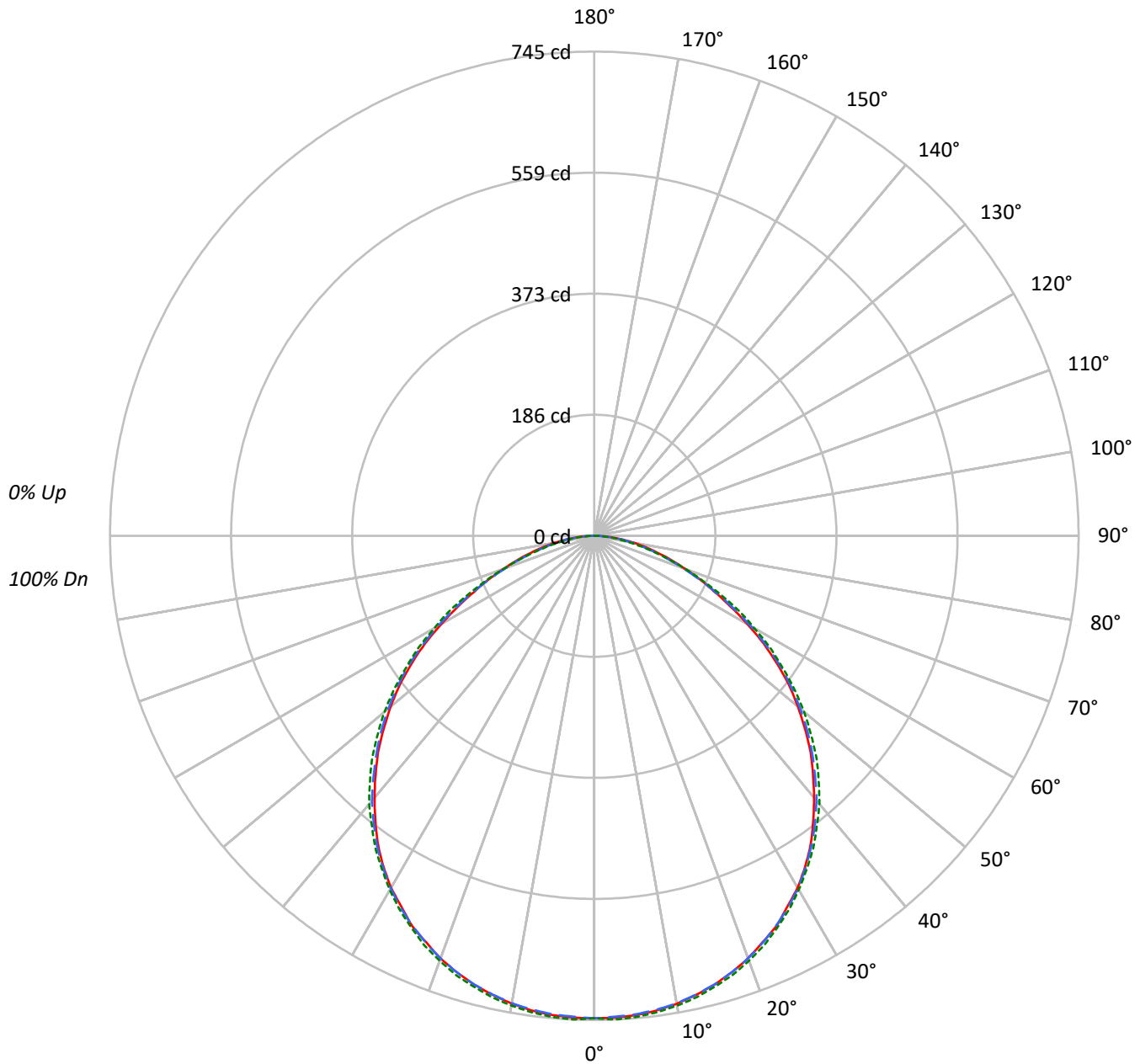
Lumens per Lamp: N/A
Luminaire Lumens: 1957.5 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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: P1046808

CATALOG NUMBER: 22PTR-20-PL1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046808

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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	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

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: P1046808

CATALOG NUMBER: 22PTR-20-PL1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.4	3.6
10°-20°	202.0	10.3
20°-30°	305.6	15.6
30°-40°	364.2	18.6
40°-50°	366.3	18.7
50°-60°	310.9	15.9
60°-70°	207.0	10.6
70°-80°	103.4	5.3
80°-90°	27.7	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°	578.1	29.5
0°-40°	942.3	48.1
0°-60°	1619.5	82.7
0°-90°	1957.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1957.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	743	743	743	743	743	
5°	740	741	739	742	743	70
15°	715	716	714	718	718	202
25°	663	663	662	665	666	305
35°	580	581	582	586	587	362
45°	470	471	474	480	483	362
55°	343	346	349	352	353	306
65°	204	206	206	209	214	204
75°	101	99	95	93	93	108
85°	26	26	24	22	20	30
90°	0	0	0	0	0	

TEST NUMBER: P1046808

CATALOG NUMBER: 22PTR-20-PL1-L835-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	742.6	742.6	742.6	742.6	742.6
2.5°	742.0	742.6	740.6	744.2	745.1
5°	740.4	740.6	739.0	742.3	743.1
7.5°	736.8	737.1	735.4	739.0	739.5
10°	731.0	731.6	730.2	733.5	734.3
12.5°	723.6	724.4	723.0	726.6	727.2
15°	714.8	715.6	714.5	717.5	718.1
17.5°	704.0	704.6	704.0	706.8	708.4
20°	691.9	691.9	691.9	694.4	695.8
22.5°	676.8	678.2	677.6	680.9	682.3
25°	662.8	662.8	661.9	665.0	665.5
27.5°	643.2	645.4	645.2	647.9	648.5
30°	625.3	625.9	626.2	628.1	629.2
32.5°	603.6	604.1	605.0	607.7	608.0
35°	580.2	580.8	582.4	586.5	587.1
37.5°	553.1	556.1	557.4	561.8	562.3
40°	525.8	527.7	531.9	536.5	538.7
42.5°	498.0	500.2	502.7	509.0	511.0
45°	470.2	471.0	474.1	480.4	483.2
47.5°	439.4	441.9	444.6	450.1	451.8
50°	408.6	411.3	413.0	417.9	421.2
52.5°	377.5	380.0	381.9	384.9	388.2
55°	343.4	345.8	348.9	352.2	353.0
57.5°	308.7	311.4	313.4	316.9	320.5
60°	271.5	274.6	277.3	280.6	284.2
62.5°	236.9	238.2	241.0	246.5	251.7
65°	203.8	205.5	206.0	209.1	214.3
67.5°	176.4	176.4	173.9	175.0	180.8
70°	147.5	146.4	144.5	143.4	148.1
72.5°	124.1	122.7	118.6	116.7	119.2
75°	100.7	99.3	94.9	92.7	93.0
77.5°	80.9	78.7	75.1	71.3	70.5
80°	61.4	60.5	57.0	53.4	50.6
82.5°	43.5	41.6	39.6	37.4	35.2
85°	26.1	25.6	23.7	22.3	20.4
87.5°	10.7	10.7	10.2	9.6	9.1
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)