

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: P1046761

Luminaire Tested: 22PTR-20-PC3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046761
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-L830-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

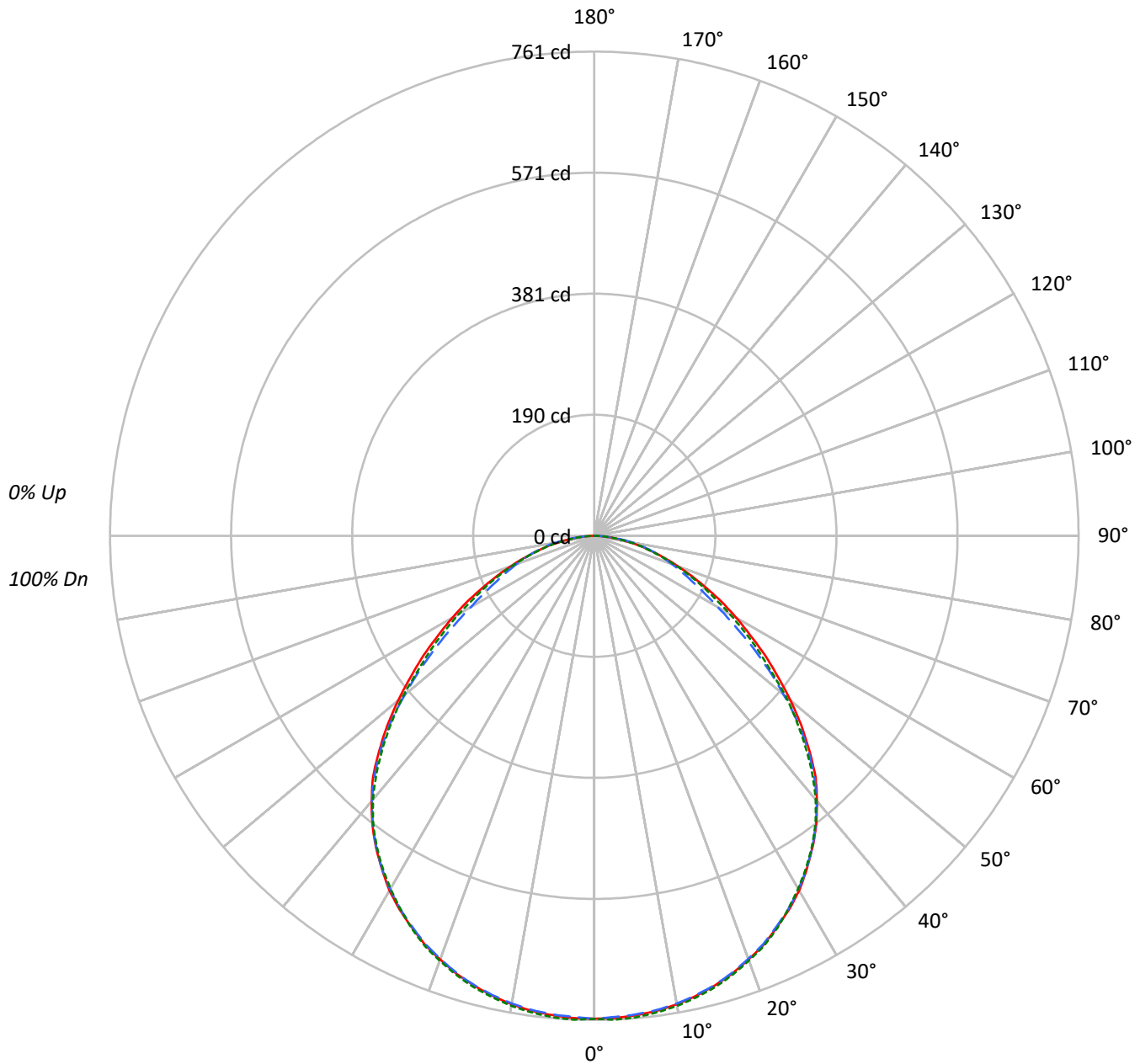
Lumens per Lamp: N/A
Luminaire Lumens: 1913.8 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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

TEST NUMBER: P1046761

CATALOG NUMBER: 22PTR-20-PC3-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046761

CATALOG NUMBER: 22PTR-20-PC3-L830-UNV-STD-W

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: -

TEST NUMBER: P1046761

CATALOG NUMBER: 22PTR-20-PC3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	3.8
10°-20°	206.7	10.8
20°-30°	312.9	16.3
30°-40°	373.0	19.5
40°-50°	364.5	19.0
50°-60°	278.7	14.6
60°-70°	178.9	9.3
70°-80°	99.6	5.2
80°-90°	27.5	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°	591.6	30.9
0°-40°	964.6	50.4
0°-60°	1607.8	84.0
0°-90°	1913.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1913.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	756	757	755	759	759	72
15°	732	732	731	733	734	206
25°	679	680	678	680	680	313
35°	598	598	597	597	596	374
45°	478	479	474	473	470	368
55°	327	316	301	305	314	293
65°	194	179	169	175	186	194
75°	93	94	95	94	92	100
85°	20	24	24	23	20	25
90°	0	0	0	0	0	

TEST NUMBER: P1046761

CATALOG NUMBER: 22PTR-20-PC3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.1	759.1	759.1	759.1	759.1
2.5°	758.6	758.9	756.9	760.2	761.3
5°	756.4	756.9	755.1	758.6	759.4
7.5°	753.2	753.7	751.8	755.4	755.7
10°	747.8	748.1	746.4	749.9	750.4
12.5°	740.5	741.3	739.4	742.6	742.8
15°	731.7	732.3	730.9	733.4	734.2
17.5°	721.4	721.7	720.3	723.0	723.3
20°	708.6	708.6	707.5	710.6	710.6
22.5°	695.6	694.8	694.5	695.6	697.3
25°	678.8	679.6	677.7	679.9	680.4
27.5°	662.5	662.5	660.9	661.9	660.6
30°	643.8	642.7	641.6	641.8	640.5
32.5°	621.2	621.2	620.7	620.7	619.0
35°	597.9	598.4	597.3	597.0	596.2
37.5°	572.9	573.7	571.8	571.3	570.7
40°	544.3	544.3	543.6	542.5	541.1
42.5°	514.8	514.8	511.3	508.5	506.7
45°	477.9	478.9	474.3	473.2	469.5
47.5°	441.2	440.4	434.2	433.4	431.2
50°	402.1	397.5	388.6	390.9	392.9
52.5°	363.0	357.3	344.3	347.0	350.2
55°	327.4	316.1	300.9	304.6	314.4
57.5°	290.2	275.0	259.8	266.9	279.1
60°	257.4	240.3	223.7	231.3	245.4
62.5°	225.9	207.8	194.4	201.7	213.7
65°	194.4	179.4	169.2	174.8	186.5
67.5°	165.6	155.6	148.6	151.2	160.7
70°	139.6	133.3	129.5	130.3	135.7
72.5°	114.8	113.2	111.9	111.9	112.4
75°	93.4	94.2	95.0	93.7	91.5
77.5°	73.6	76.3	78.2	75.5	72.8
80°	54.1	58.4	60.9	57.8	53.8
82.5°	36.9	41.8	42.6	40.7	36.1
85°	20.3	23.9	24.2	23.4	20.3
87.5°	7.6	9.0	9.8	9.0	7.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)