

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: P1046796

Luminaire Tested: 22PTR-35-PC3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046796
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-35-PC3-L830-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

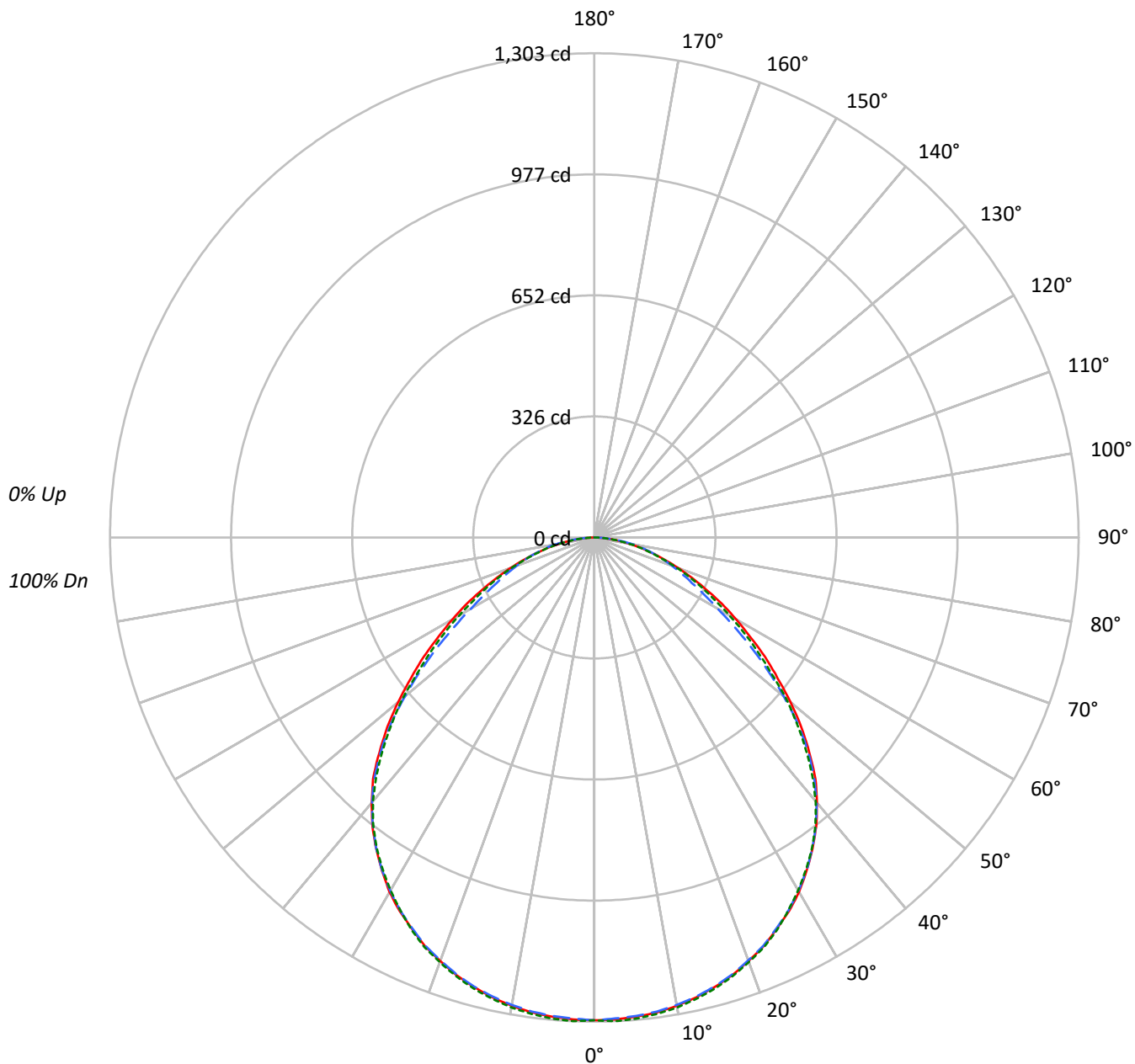
Lumens per Lamp: N/A
Luminaire Lumens: 3275.7 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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: P1046796

CATALOG NUMBER: 22PTR-35-PC3-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046796

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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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	110	105	101	98	107	103	99	96		99	96	93			95	92	90			91
2	100	93	86	81	98	91	85	80		87	82	78			84	80	76			81
3	92	82	74	68	90	80	73	68		77	71	66			75	70	65			72
4	85	73	65	58	82	72	64	58		69	63	57			67	61	56			65
5	78	66	57	51	76	65	56	50		62	55	50			61	54	49			59
6	72	59	51	45	70	58	50	44		57	49	44			55	49	44			53
7	67	54	46	40	65	53	45	39		52	44	39			50	44	39			49
8	62	49	41	35	61	49	41	35		47	40	35			46	40	35			45
9	58	45	37	32	57	45	37	32		44	37	32			43	36	32			42
10	55	42	34	29	54	41	34	29		40	34	29			40	33	29			39

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: P1046796

CATALOG NUMBER: 22PTR-35-PC3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.2	3.8
10°-20°	353.7	10.8
20°-30°	535.5	16.3
30°-40°	638.5	19.5
40°-50°	623.9	19.0
50°-60°	477.1	14.6
60°-70°	306.3	9.4
70°-80°	170.4	5.2
80°-90°	47.1	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°	1012.5	30.9
0°-40°	1651.0	50.4
0°-60°	2751.9	84.0
0°-90°	3275.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3275.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1299	1299	1299	1299	1299	
5°	1295	1296	1292	1298	1300	123
15°	1252	1253	1251	1255	1257	353
25°	1162	1163	1160	1164	1165	536
35°	1023	1024	1022	1022	1020	639
45°	818	820	812	810	804	629
55°	560	541	515	521	538	501
65°	333	307	290	299	319	332
75°	160	161	163	160	157	171
85°	35	41	41	40	35	43
90°	0	0	0	0	0	

TEST NUMBER: P1046796

CATALOG NUMBER: 22PTR-35-PC3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1299.3	1299.3	1299.3	1299.3	1299.3
2.5°	1298.5	1299.0	1295.6	1301.2	1303.0
5°	1294.7	1295.6	1292.4	1298.5	1299.8
7.5°	1289.2	1290.0	1286.8	1292.9	1293.4
10°	1279.9	1280.4	1277.5	1283.6	1284.4
12.5°	1267.4	1268.7	1265.5	1271.1	1271.4
15°	1252.4	1253.4	1251.0	1255.2	1256.6
17.5°	1234.8	1235.3	1232.9	1237.5	1238.0
20°	1212.8	1212.8	1211.0	1216.2	1216.2
22.5°	1190.6	1189.2	1188.7	1190.6	1193.4
25°	1161.9	1163.2	1160.0	1163.7	1164.6
27.5°	1134.0	1134.0	1131.1	1133.0	1130.6
30°	1101.9	1100.1	1098.2	1098.5	1096.3
32.5°	1063.2	1063.2	1062.4	1062.4	1059.5
35°	1023.4	1024.2	1022.4	1021.9	1020.5
37.5°	980.5	982.0	978.7	977.8	976.8
40°	931.7	931.7	930.4	928.5	926.1
42.5°	881.1	881.1	875.1	870.4	867.2
45°	817.9	819.8	811.8	810.0	803.6
47.5°	755.1	753.7	743.1	741.8	738.0
50°	688.2	680.3	665.1	669.1	672.5
52.5°	621.4	611.6	589.3	593.8	599.4
55°	560.4	541.0	515.0	521.4	538.1
57.5°	496.8	470.8	444.7	456.9	477.7
60°	440.5	411.3	383.0	396.0	420.1
62.5°	386.7	355.6	332.8	345.3	365.7
65°	332.8	307.1	289.6	299.2	319.3
67.5°	283.5	266.3	254.3	258.8	275.1
70°	238.9	228.1	221.7	223.0	232.3
72.5°	196.5	193.8	191.5	191.5	192.3
75°	159.9	161.3	162.6	160.4	156.7
77.5°	126.0	130.5	133.9	129.2	124.6
80°	92.5	100.0	104.2	98.9	92.0
82.5°	63.1	71.6	72.9	69.7	61.8
85°	34.8	40.9	41.4	40.0	34.8
87.5°	13.0	15.4	16.7	15.4	13.5
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)