

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: P1046922

Luminaire Tested: 22PTR-35-PP3-L830-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046922
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PP3-L830-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

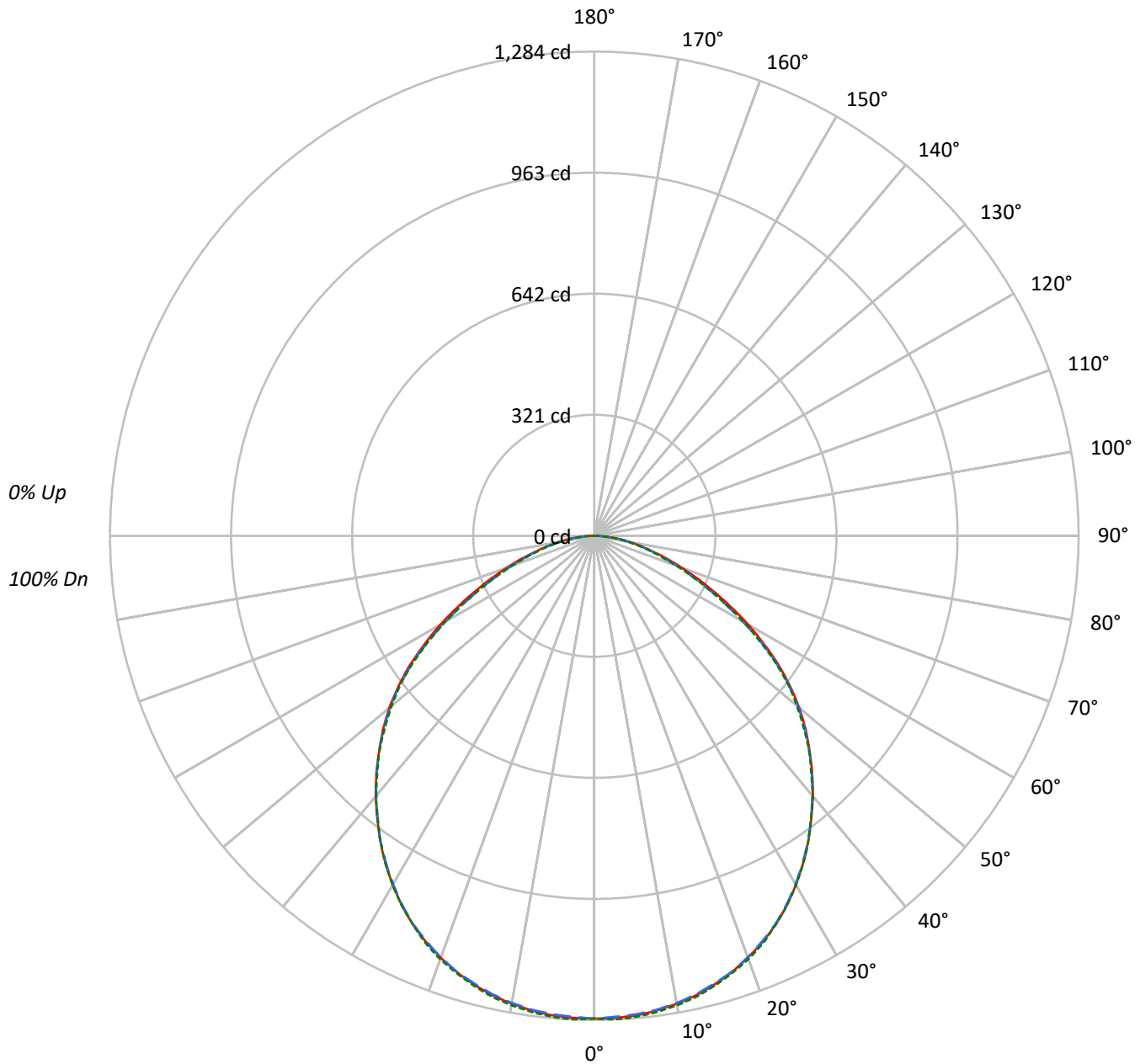
Lumens per Lamp: N/A
Luminaire Lumens: 3307.7 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1046922

CATALOG NUMBER: 22PTR-35-PP3-L830-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046922

CATALOG NUMBER: 22PTR-35-PP3-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	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	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: P1046922

CATALOG NUMBER: 22PTR-35-PP3-L830-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.4	3.7
10°-20°	347.8	10.5
20°-30°	523.6	15.8
30°-40°	618.0	18.7
40°-50°	621.6	18.8
50°-60°	524.7	15.9
60°-70°	337.0	10.2
70°-80°	167.6	5.1
80°-90°	45.9	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°	992.8	30.0
0°-40°	1610.9	48.7
0°-60°	2757.2	83.4
0°-90°	3307.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3307.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1276	1277	1274	1280	1280	121
15°	1232	1232	1230	1235	1235	348
25°	1138	1138	1136	1138	1138	524
35°	989	990	988	989	989	618
45°	807	810	805	806	806	623
55°	596	595	589	586	587	530
65°	350	345	332	329	332	349
75°	160	159	154	153	151	173
85°	40	41	41	38	38	46
90°	0	0	0	0	0	

TEST NUMBER: P1046922

CATALOG NUMBER: 22PTR-35-PP3-L830-UNV-STD-W

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1280.2	1280.2	1280.2	1280.2	1280.2
2.5°	1279.7	1280.2	1276.8	1282.9	1283.9
5°	1276.5	1276.8	1273.6	1279.7	1280.5
7.5°	1269.9	1270.4	1267.5	1273.1	1274.1
10°	1260.1	1261.6	1258.2	1263.5	1264.3
12.5°	1248.1	1248.6	1245.2	1251.3	1252.3
15°	1231.9	1232.2	1229.5	1235.1	1235.1
17.5°	1213.2	1213.7	1211.8	1216.5	1216.0
20°	1190.5	1191.9	1189.5	1192.7	1194.6
22.5°	1165.9	1166.4	1163.5	1167.7	1169.6
25°	1138.0	1138.4	1136.2	1138.4	1137.5
27.5°	1105.4	1106.3	1103.1	1105.4	1105.9
30°	1069.1	1071.5	1066.9	1068.8	1069.1
32.5°	1030.1	1031.5	1028.3	1028.8	1031.1
35°	989.3	989.8	987.9	988.8	988.8
37.5°	945.2	947.1	944.2	945.5	943.7
40°	901.5	899.6	898.6	899.6	901.0
42.5°	855.4	855.9	854.5	853.5	851.3
45°	807.1	810.0	804.7	805.7	805.7
47.5°	759.8	760.1	757.4	754.6	752.7
50°	709.2	709.2	705.8	703.6	700.7
52.5°	653.8	652.9	649.2	646.8	648.2
55°	595.7	595.2	588.8	586.4	586.9
57.5°	532.0	533.0	523.3	520.9	520.9
60°	471.2	466.5	455.4	452.2	456.2
62.5°	407.4	401.9	389.9	389.9	393.1
65°	349.8	344.8	332.3	328.9	331.8
67.5°	296.0	291.3	279.8	277.9	278.8
70°	244.8	240.8	233.7	229.5	231.0
72.5°	200.8	197.0	192.3	189.1	187.3
75°	160.2	159.4	154.3	152.8	150.9
77.5°	126.8	126.5	122.2	120.4	118.5
80°	95.2	94.7	93.9	91.0	89.7
82.5°	67.9	67.9	67.4	65.0	63.7
85°	39.5	40.9	40.9	38.5	38.5
87.5°	15.9	16.7	15.9	15.9	15.4
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)