

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: P1046839

Luminaire Tested: 22PTR-35-PL1-L835-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046839
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-35-PL1-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

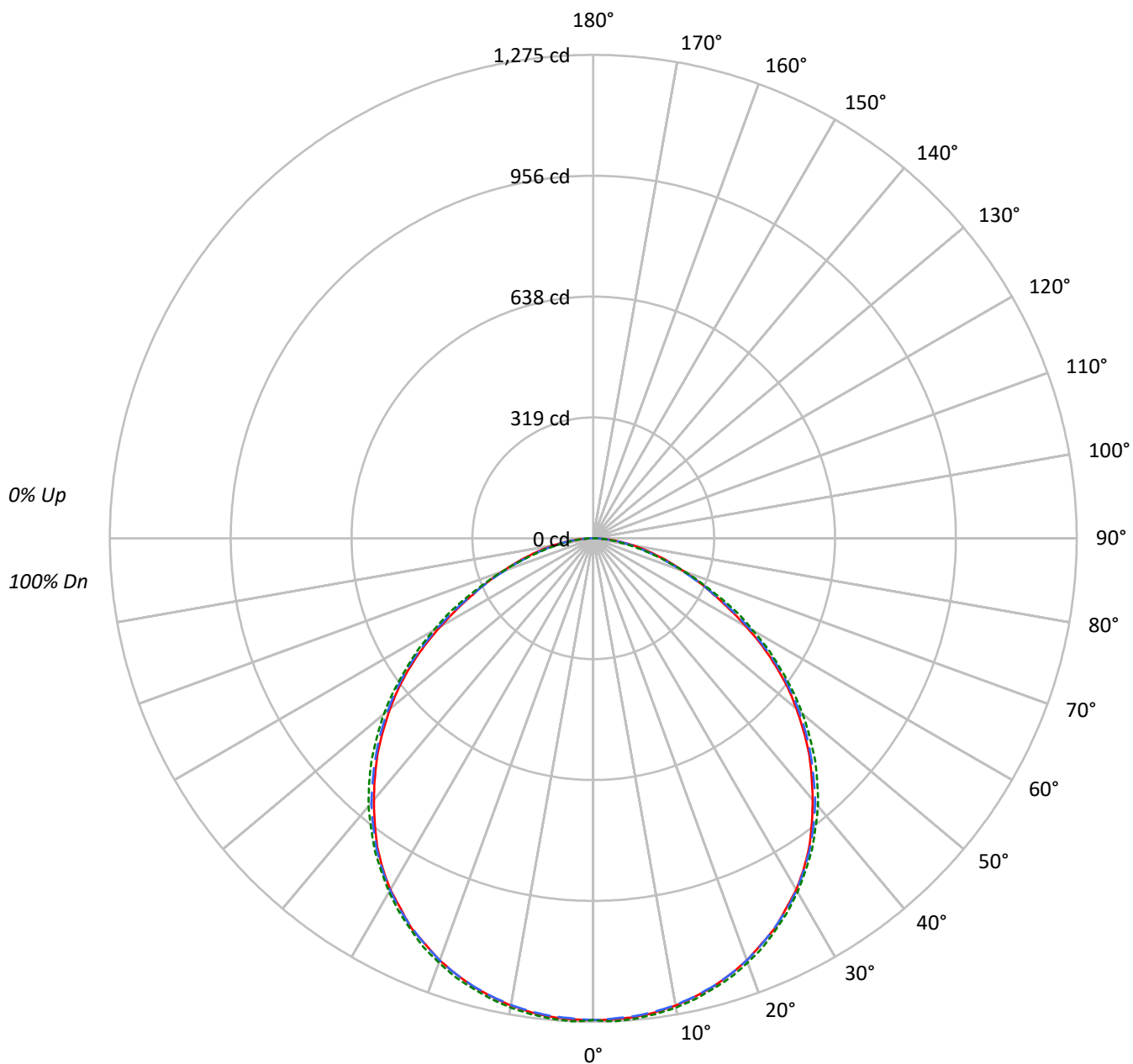
Lumens per Lamp: N/A
Luminaire Lumens: 3350.4 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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: P1046839

CATALOG NUMBER: 22PTR-35-PL1-L835-UNV-STD-W

Luminous Intensity Polar Plot



TEST NUMBER: P1046839

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

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: P1046839

CATALOG NUMBER: 22PTR-35-PL1-L835-UNV-STD-W

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.6	3.6
10°-20°	345.8	10.3
20°-30°	523.1	15.6
30°-40°	623.5	18.6
40°-50°	626.9	18.7
50°-60°	532.1	15.9
60°-70°	354.3	10.6
70°-80°	176.9	5.3
80°-90°	47.3	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°	989.4	29.5
0°-40°	1612.9	48.1
0°-60°	2771.9	82.7
0°-90°	3350.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3350.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1267	1268	1265	1270	1272	120
15°	1224	1225	1223	1228	1229	345
25°	1134	1134	1133	1138	1139	522
35°	993	994	997	1004	1005	620
45°	805	806	811	822	827	619
55°	588	592	597	603	604	524
65°	349	352	353	358	367	350
75°	172	170	162	159	159	185
85°	45	44	41	38	35	52
90°	0	0	0	0	0	

TEST NUMBER: P1046839

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1271.0	1271.0	1271.0	1271.0	1271.0
2.5°	1270.0	1271.0	1267.6	1273.8	1275.3
5°	1267.3	1267.6	1264.9	1270.5	1271.9
7.5°	1261.1	1261.6	1258.7	1264.9	1265.7
10°	1251.2	1252.2	1249.8	1255.5	1256.8
12.5°	1238.5	1239.9	1237.5	1243.7	1244.7
15°	1223.5	1224.8	1222.9	1228.1	1229.1
17.5°	1205.0	1206.0	1205.0	1209.8	1212.5
20°	1184.3	1184.3	1184.3	1188.6	1190.9
22.5°	1158.4	1160.8	1159.8	1165.5	1167.8
25°	1134.5	1134.5	1132.9	1138.2	1139.1
27.5°	1100.9	1104.7	1104.4	1109.0	1110.0
30°	1070.3	1071.3	1071.9	1075.1	1077.0
32.5°	1033.2	1034.0	1035.6	1040.2	1040.7
35°	993.1	994.2	996.9	1003.9	1004.9
37.5°	946.6	951.7	954.1	961.7	962.5
40°	899.9	903.1	910.3	918.2	922.0
42.5°	852.3	856.1	860.4	871.1	874.6
45°	804.7	806.1	811.4	822.2	827.0
47.5°	752.0	756.3	760.9	770.4	773.3
50°	699.3	704.0	706.9	715.3	720.9
52.5°	646.1	650.4	653.7	658.8	664.4
55°	587.8	591.9	597.2	602.8	604.2
57.5°	528.4	533.0	536.4	542.4	548.6
60°	464.7	470.0	474.7	480.3	486.5
62.5°	405.5	407.8	412.6	422.0	430.9
65°	348.9	351.8	352.7	358.0	366.9
67.5°	301.8	301.8	297.6	299.4	309.4
70°	252.4	250.5	247.3	245.4	253.4
72.5°	212.4	210.0	202.9	199.7	204.0
75°	172.3	169.9	162.4	158.6	159.1
77.5°	138.4	134.7	128.5	122.0	120.6
80°	105.1	103.5	97.5	91.4	86.6
82.5°	74.4	71.2	67.8	64.0	60.2
85°	44.7	43.8	40.6	38.2	34.9
87.5°	18.3	18.3	17.5	16.4	15.6
90°	0.0	0.0	0.0	0.0	0.0

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report







— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)