

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: P1046881

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046881
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PLG-L835-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND LOW GLARE LENS

Light Source:
Ballast/Driver: -

Summary

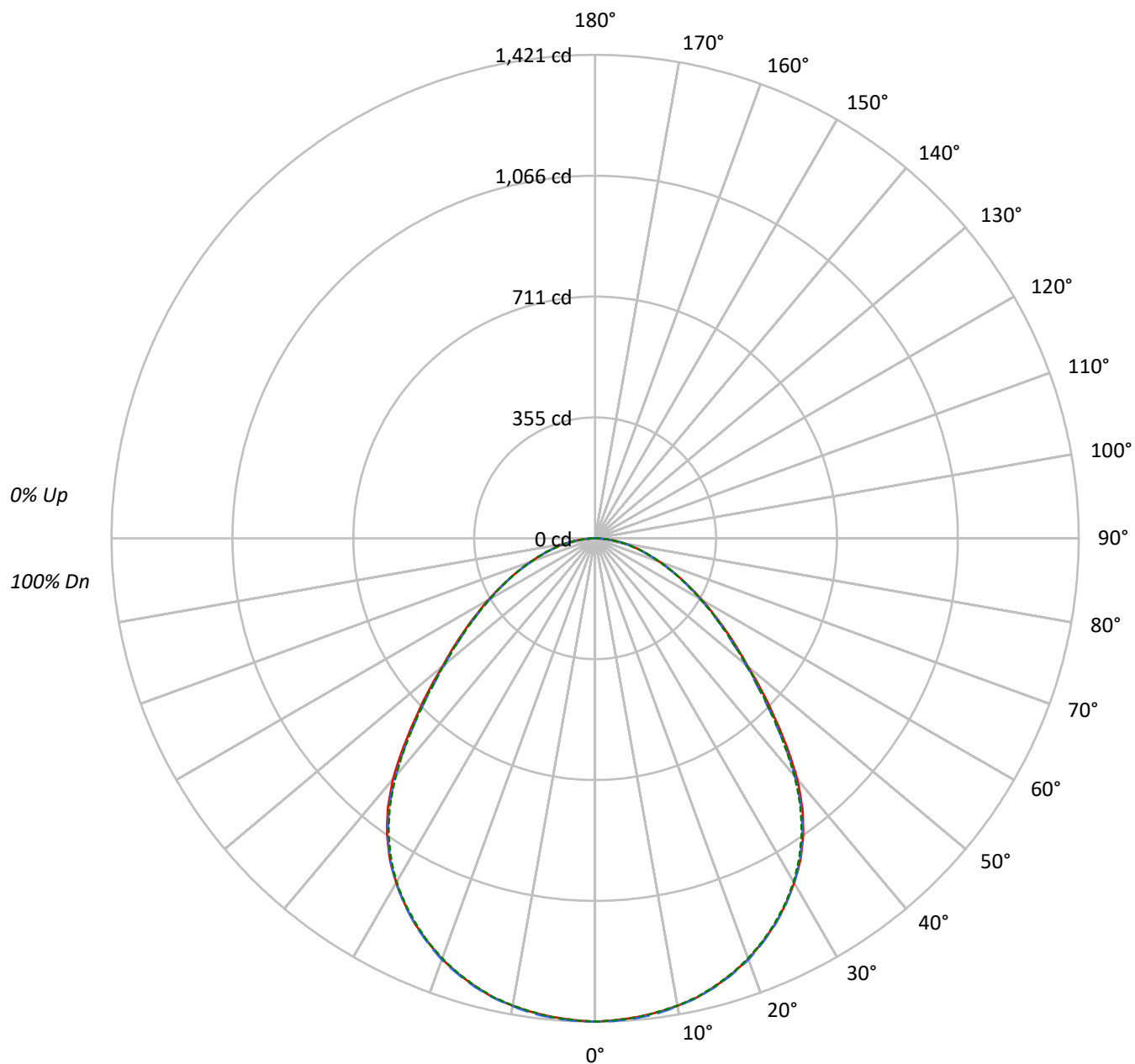
Lumens per Lamp: N/A
Luminaire Lumens: 3201.4 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: (L: 2' x W: 0' x H: 2'
CIE Type: Direct

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

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Luminous Intensity Polar Plot



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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	106	102	98	107	103	100	97		99	96	94			95	93	91			92
2	101	94	87	82	99	92	86	81		88	84	79			85	81	78			82
3	93	83	76	70	91	82	75	69		79	73	68			76	71	67			74
4	86	75	67	60	84	73	66	60		71	64	59			69	63	58			67
5	79	67	59	53	77	66	58	53		64	57	52			62	56	51			61
6	74	61	53	47	72	60	52	47		58	51	46			57	51	46			55
7	69	56	48	42	67	55	47	42		54	46	41			52	46	41			51
8	64	51	43	38	62	51	43	38		49	42	37			48	42	37			47
9	60	47	39	34	59	47	39	34		46	39	34			44	38	34			43
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			40

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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.5	4.2
10°-20°	384.9	12.0
20°-30°	575.9	18.0
30°-40°	659.8	20.6
40°-50°	570.7	17.8
50°-60°	413.0	12.9
60°-70°	272.0	8.5
70°-80°	148.1	4.6
80°-90°	42.4	1.3
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°	1095.3	34.2
0°-40°	1755.2	54.8
0°-60°	2738.8	85.6
0°-90°	3201.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3201.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1421	1421	1421	1421	1421	
5°	1413	1416	1416	1416	1414	134
15°	1363	1364	1365	1367	1362	385
25°	1251	1251	1252	1253	1248	576
35°	1066	1065	1063	1062	1058	662
45°	745	743	733	732	736	577
55°	464	462	457	454	458	417
65°	274	276	272	270	273	274
75°	140	140	138	138	140	149
85°	37	37	37	38	33	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1420.8	1420.8	1420.8	1420.8	1420.8
2.5°	1417.7	1420.8	1419.8	1420.8	1417.7
5°	1412.7	1415.7	1415.7	1415.7	1413.7
7.5°	1405.6	1407.7	1408.7	1409.7	1404.6
10°	1395.6	1397.6	1396.6	1398.6	1394.5
12.5°	1382.4	1382.4	1383.5	1385.5	1381.4
15°	1363.3	1364.3	1365.3	1367.3	1362.3
17.5°	1341.1	1342.1	1343.1	1344.1	1340.1
20°	1315.9	1315.9	1317.9	1318.9	1313.9
22.5°	1284.6	1284.6	1286.7	1289.7	1283.6
25°	1251.4	1251.4	1252.4	1253.4	1248.3
27.5°	1212.0	1212.0	1213.0	1216.1	1210.0
30°	1169.7	1168.7	1169.7	1170.7	1166.7
32.5°	1122.3	1121.3	1120.3	1121.3	1116.2
35°	1065.8	1064.8	1062.8	1061.8	1057.8
37.5°	1000.3	998.3	994.2	994.2	990.2
40°	923.6	918.6	913.6	911.5	910.5
42.5°	834.9	830.9	823.8	822.8	822.8
45°	745.2	743.2	733.1	732.1	736.1
47.5°	664.5	659.5	650.4	648.4	654.4
50°	584.8	585.9	577.8	574.8	580.8
52.5°	522.3	520.3	513.3	511.2	516.3
55°	463.8	461.8	456.8	453.8	457.8
57.5°	410.4	409.4	404.3	403.3	405.4
60°	362.0	361.0	357.0	355.9	357.0
62.5°	316.6	316.6	312.6	310.6	313.6
65°	274.3	276.3	272.3	270.2	273.3
67.5°	236.0	238.0	233.9	231.9	236.0
70°	199.7	201.7	197.6	195.6	199.7
72.5°	168.4	169.4	166.4	165.4	170.4
75°	140.2	140.2	138.1	138.1	140.2
77.5°	113.9	112.9	111.9	111.9	109.9
80°	87.7	86.7	86.7	86.7	83.7
82.5°	62.5	60.5	61.5	62.5	57.5
85°	37.3	37.3	37.3	38.3	33.3
87.5°	15.1	15.1	14.1	15.1	13.1
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)