

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: P1046799

Luminaire Tested: 22PTR-35-PC3-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046799
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-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PARAMID LENS

Light Source:
Ballast/Driver: -

Summary

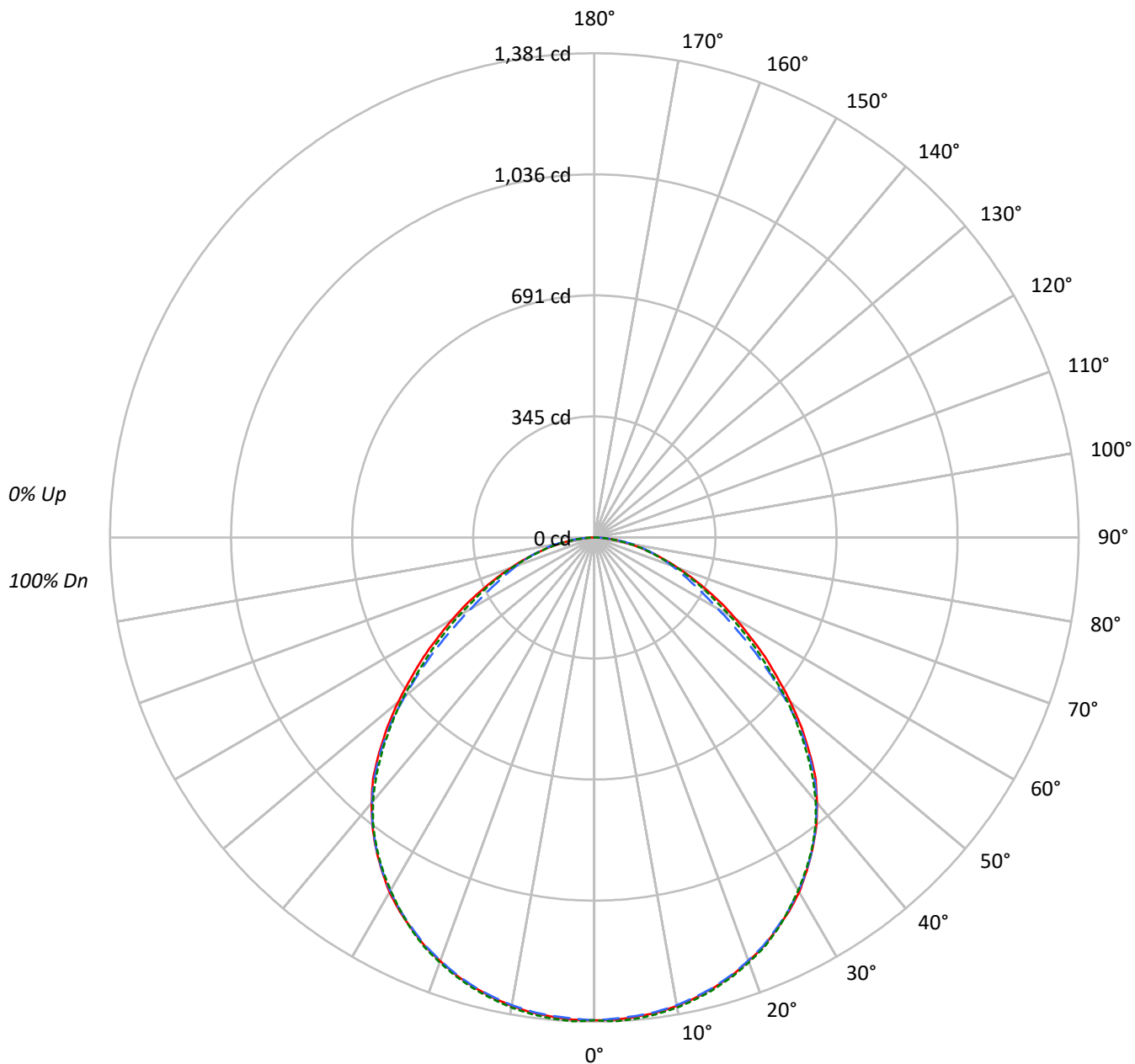
Lumens per Lamp: N/A
Luminaire Lumens: 3472.6 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.6	3.8
10°-20°	375.0	10.8
20°-30°	567.7	16.3
30°-40°	676.9	19.5
40°-50°	661.4	19.0
50°-60°	505.7	14.6
60°-70°	324.7	9.4
70°-80°	180.6	5.2
80°-90°	49.9	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°	1073.4	30.9
0°-40°	1750.3	50.4
0°-60°	2917.4	84.0
0°-90°	3472.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3472.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1377	1377	1377	1377	1377	
5°	1373	1374	1370	1376	1378	131
15°	1328	1329	1326	1331	1332	375
25°	1232	1233	1230	1234	1235	568
35°	1085	1086	1084	1083	1082	678
45°	867	869	861	859	852	667
55°	594	574	546	553	570	531
65°	353	326	307	317	338	352
75°	170	171	172	170	166	181
85°	37	43	44	42	37	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.4	1377.4	1377.4	1377.4	1377.4
2.5°	1376.5	1377.0	1373.5	1379.4	1381.3
5°	1372.6	1373.5	1370.1	1376.5	1377.9
7.5°	1366.7	1367.6	1364.2	1370.6	1371.1
10°	1356.8	1357.4	1354.3	1360.8	1361.6
12.5°	1343.6	1345.0	1341.6	1347.5	1347.9
15°	1327.6	1328.7	1326.2	1330.7	1332.1
17.5°	1309.0	1309.6	1307.1	1311.9	1312.4
20°	1285.8	1285.8	1283.8	1289.3	1289.3
22.5°	1262.1	1260.7	1260.2	1262.1	1265.2
25°	1231.7	1233.1	1229.7	1233.7	1234.6
27.5°	1202.2	1202.2	1199.1	1201.1	1198.6
30°	1168.1	1166.2	1164.2	1164.6	1162.2
32.5°	1127.2	1127.2	1126.3	1126.3	1123.2
35°	1084.9	1085.8	1083.8	1083.3	1081.9
37.5°	1039.4	1041.1	1037.5	1036.6	1035.5
40°	987.7	987.7	986.3	984.3	981.8
42.5°	934.0	934.0	927.8	922.7	919.3
45°	867.1	869.0	860.6	858.7	851.9
47.5°	800.5	799.1	787.8	786.3	782.4
50°	729.6	721.2	705.1	709.4	713.0
52.5°	658.7	648.3	624.7	629.5	635.4
55°	594.1	573.5	545.9	552.7	570.5
57.5°	526.6	499.1	471.5	484.4	506.4
60°	467.0	436.0	406.0	419.8	445.4
62.5°	409.9	377.0	352.8	366.1	387.7
65°	352.8	325.6	307.0	317.2	338.5
67.5°	300.5	282.3	269.6	274.4	291.6
70°	253.3	241.8	235.0	236.5	246.3
72.5°	208.4	205.5	203.0	203.0	203.9
75°	169.5	170.9	172.4	170.0	166.1
77.5°	133.5	138.4	141.9	136.9	132.1
80°	98.1	106.0	110.4	104.9	97.6
82.5°	66.9	75.9	77.3	73.9	65.5
85°	36.9	43.3	43.9	42.4	36.9
87.5°	13.8	16.3	17.7	16.3	14.3
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)