

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: P1046746

Luminaire Tested: 22PTR-45-PB1-L935-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-PB1-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND BEVEL LENS

Light Source:
Ballast/Driver: -

Summary

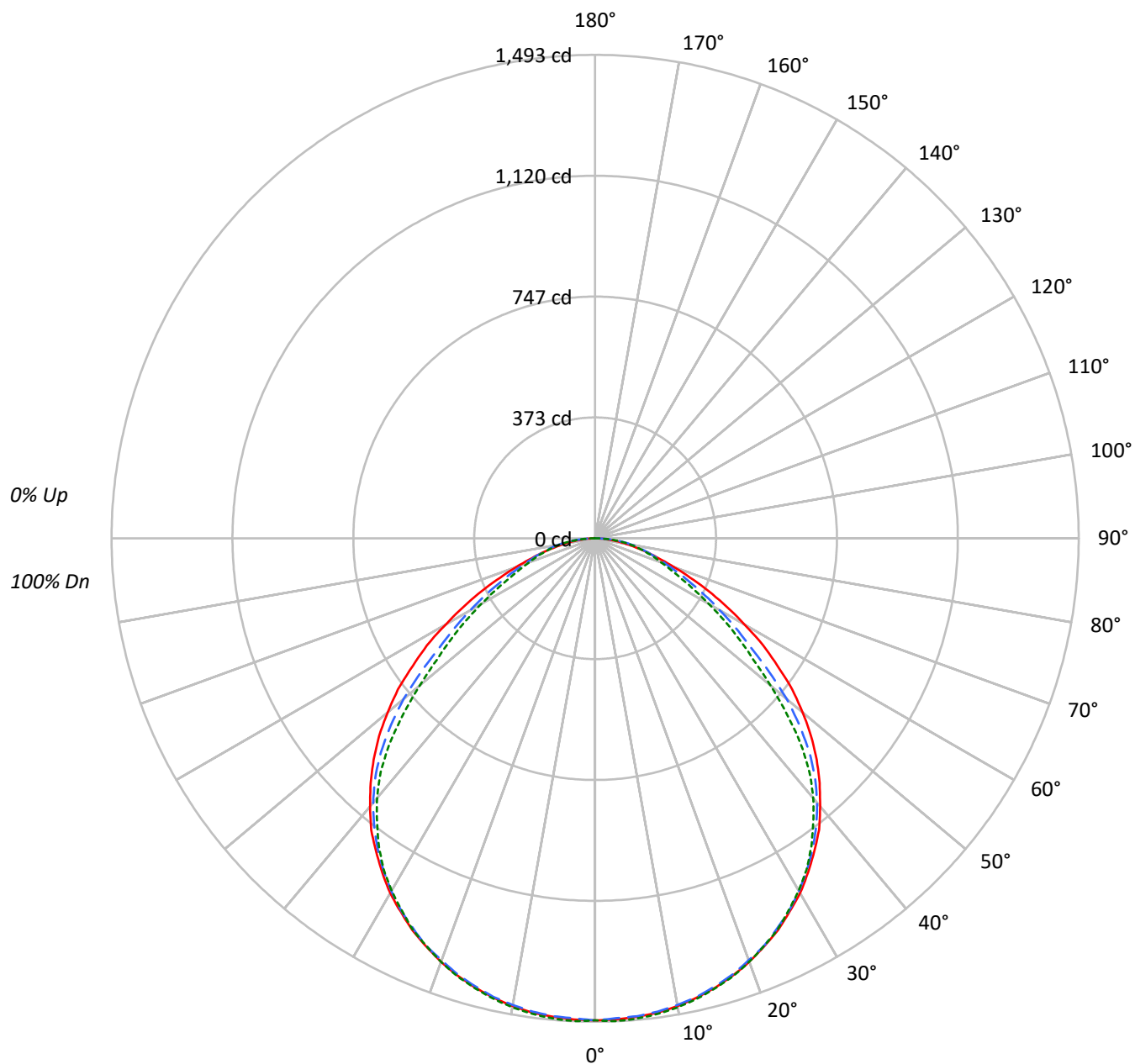
Lumens per Lamp: N/A
Luminaire Lumens: 3713.0 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 35
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

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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	93	90	91	89	88	86		
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73		
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62		
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54		
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47		
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42		
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37		
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33		
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30		
10	55	42	34	29	54	42	34	29	41	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°	141.2	3.8
10°-20°	405.1	10.9
20°-30°	613.7	16.5
30°-40°	731.2	19.7
40°-50°	715.1	19.3
50°-60°	540.9	14.6
60°-70°	332.3	8.9
70°-80°	177.0	4.8
80°-90°	56.5	1.5
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°	1160.0	31.2
0°-40°	1891.2	50.9
0°-60°	3147.2	84.8
0°-90°	3713.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3713.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1489	1489	1489	1489	1489	
5°	1484	1485	1482	1487	1489	141
15°	1436	1438	1432	1438	1438	405
25°	1335	1333	1330	1332	1333	615
35°	1180	1178	1170	1165	1163	738
45°	967	962	936	905	897	744
55°	687	652	584	551	542	615
65°	386	355	326	300	291	385
75°	165	167	168	163	159	177
85°	37	48	59	55	51	44
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1489.0	1489.0	1489.0	1489.0	1489.0
2.5°	1487.3	1489.0	1483.5	1491.0	1492.7
5°	1483.5	1485.4	1481.7	1487.3	1489.0
7.5°	1478.1	1478.1	1474.4	1479.8	1481.7
10°	1467.1	1467.1	1463.5	1468.9	1470.8
12.5°	1452.5	1452.5	1450.6	1454.2	1456.2
15°	1436.0	1437.7	1432.3	1437.7	1437.7
17.5°	1415.8	1414.1	1412.1	1415.8	1417.7
20°	1391.9	1391.9	1386.6	1390.2	1391.9
22.5°	1364.4	1364.4	1362.7	1364.4	1362.7
25°	1335.2	1333.3	1329.6	1331.6	1333.3
27.5°	1300.4	1300.4	1296.8	1296.8	1294.8
30°	1265.6	1263.7	1258.3	1254.6	1256.4
32.5°	1223.5	1221.6	1216.2	1212.5	1214.3
35°	1179.5	1177.7	1170.4	1164.9	1163.1
37.5°	1135.6	1130.0	1120.8	1113.5	1106.2
40°	1080.6	1075.1	1066.0	1049.5	1047.6
42.5°	1025.6	1020.3	1005.4	985.5	979.9
45°	967.0	961.6	935.8	904.7	897.4
47.5°	904.7	895.7	855.3	816.8	802.2
50°	835.3	818.7	771.1	721.6	705.1
52.5°	767.4	738.2	675.9	631.8	615.5
55°	686.8	652.0	584.3	551.3	542.0
57.5°	615.5	567.8	512.8	479.9	472.6
60°	533.0	489.0	445.1	415.7	404.8
62.5°	457.8	419.4	382.8	357.1	344.4
65°	386.5	355.3	326.1	300.3	291.3
67.5°	316.9	300.3	276.5	256.5	250.9
70°	258.2	249.0	232.7	223.4	216.1
72.5°	205.2	208.8	197.9	194.2	188.6
75°	164.8	166.7	168.4	163.1	159.4
77.5°	124.6	133.6	140.9	137.3	133.6
80°	93.4	102.5	115.4	110.0	110.0
82.5°	64.0	75.2	86.1	82.5	80.6
85°	36.7	47.7	58.6	55.0	51.3
87.5°	14.6	23.8	25.6	25.6	23.8
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)