

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: P1046704

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-45-L935-UNV-STD-W
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

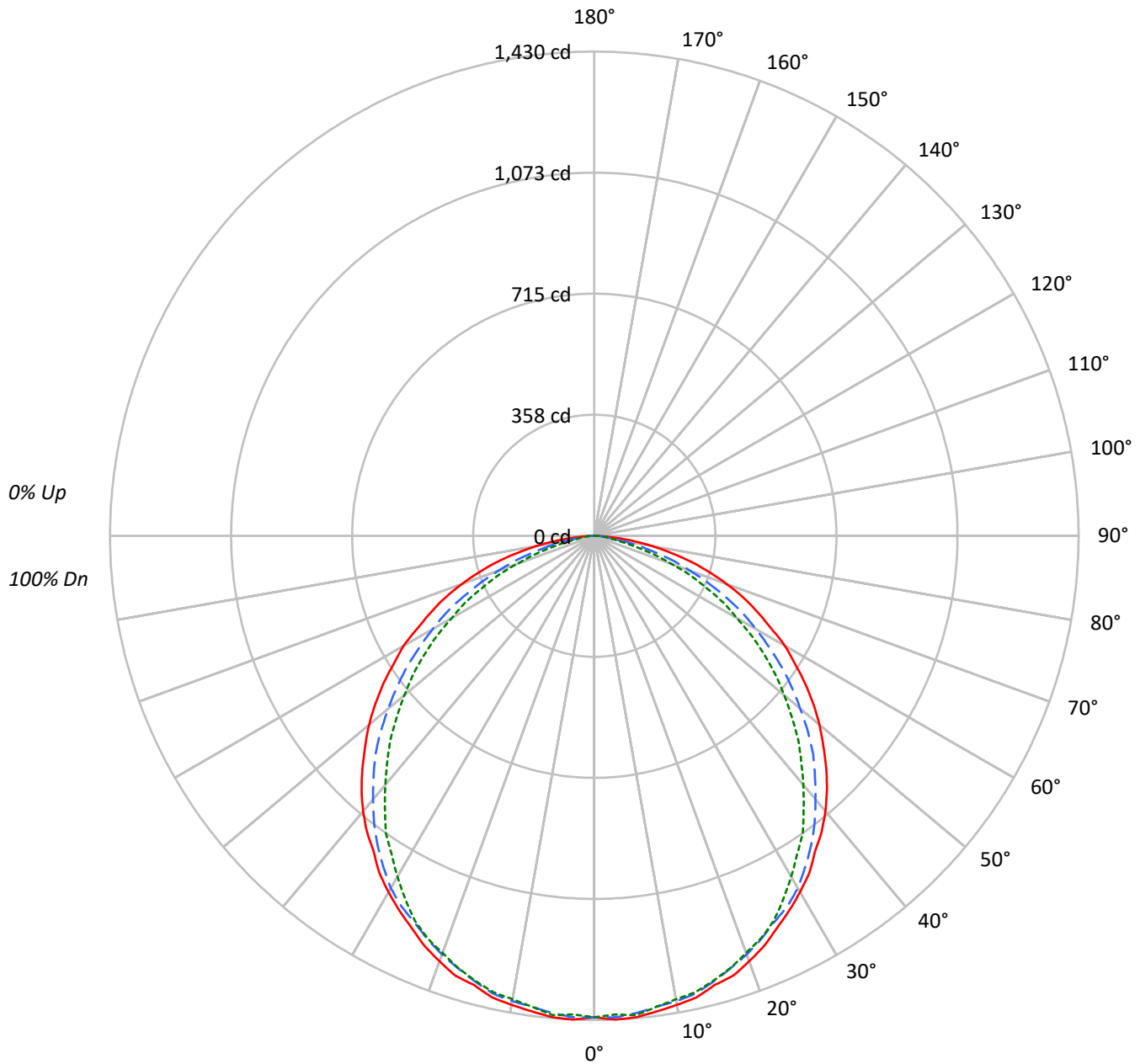
Lumens per Lamp: N/A
Luminaire Lumens: 3787.4 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	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: -

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	3.6
10°-20°	385.7	10.2
20°-30°	582.6	15.4
30°-40°	692.7	18.3
40°-50°	702.5	18.5
50°-60°	610.0	16.1
60°-70°	433.1	11.4
70°-80°	206.9	5.5
80°-90°	39.2	1.0
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°	1103.0	29.1
0°-40°	1795.7	47.4
0°-60°	3108.2	82.1
0°-90°	3787.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3787.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1422	1422	1422	1422	1422	
5°	1427	1422	1415	1418	1421	135
15°	1374	1377	1363	1361	1360	389
25°	1277	1275	1258	1264	1254	590
35°	1136	1135	1116	1078	1073	714
45°	968	960	914	866	851	747
55°	760	737	675	635	613	679
65°	531	491	427	381	367	526
75°	296	241	180	142	126	310
85°	58	30	26	25	25	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1421.9	1421.9	1421.9	1421.9	1421.9
2.5°	1430.4	1425.3	1423.6	1429.5	1415.1
5°	1427.0	1421.9	1415.1	1418.5	1421.0
7.5°	1416.8	1412.6	1403.3	1410.9	1403.3
10°	1406.6	1402.4	1395.6	1398.2	1389.7
12.5°	1396.5	1386.3	1384.6	1386.3	1380.4
15°	1373.6	1377.0	1362.6	1360.9	1360.1
17.5°	1362.6	1354.1	1338.9	1339.7	1338.0
20°	1337.2	1327.0	1316.0	1314.3	1310.9
22.5°	1310.9	1299.1	1288.9	1294.0	1286.4
25°	1277.1	1275.4	1258.4	1263.5	1254.2
27.5°	1247.4	1241.5	1233.9	1222.9	1209.3
30°	1215.2	1209.3	1201.7	1172.9	1162.7
32.5°	1181.4	1174.6	1159.4	1125.5	1114.5
35°	1136.5	1134.8	1116.2	1078.1	1073.0
37.5°	1102.6	1084.0	1068.7	1029.8	1015.4
40°	1062.0	1051.8	1016.2	979.0	960.3
42.5°	1017.1	1005.2	964.6	924.8	904.4
45°	968.0	959.5	913.8	865.5	851.1
47.5°	917.2	909.5	855.3	808.8	790.1
50°	868.0	858.7	793.5	748.6	731.7
52.5°	814.7	799.4	735.1	691.0	674.9
55°	759.6	736.8	674.9	635.1	613.1
57.5°	701.2	680.0	611.4	569.9	552.2
60°	650.4	620.8	550.5	508.1	485.3
62.5°	585.2	559.8	492.9	442.9	431.9
65°	531.0	491.2	426.8	381.1	366.7
67.5°	475.9	429.4	364.2	317.6	310.0
70°	415.8	367.5	300.6	254.9	242.2
72.5°	354.8	307.4	242.2	193.9	186.3
75°	295.6	241.4	179.5	142.3	126.2
77.5°	231.2	182.1	126.2	87.2	77.1
80°	171.9	122.8	72.8	51.7	50.8
82.5°	112.6	71.1	39.0	39.8	38.1
85°	57.6	30.5	26.3	25.4	24.6
87.5°	11.0	11.9	12.7	12.7	12.7
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)