

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: P1047009

Luminaire Tested: 22PTR-35-PW1-L850-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1047009
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PW1-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source:
Ballast/Driver: -

Summary

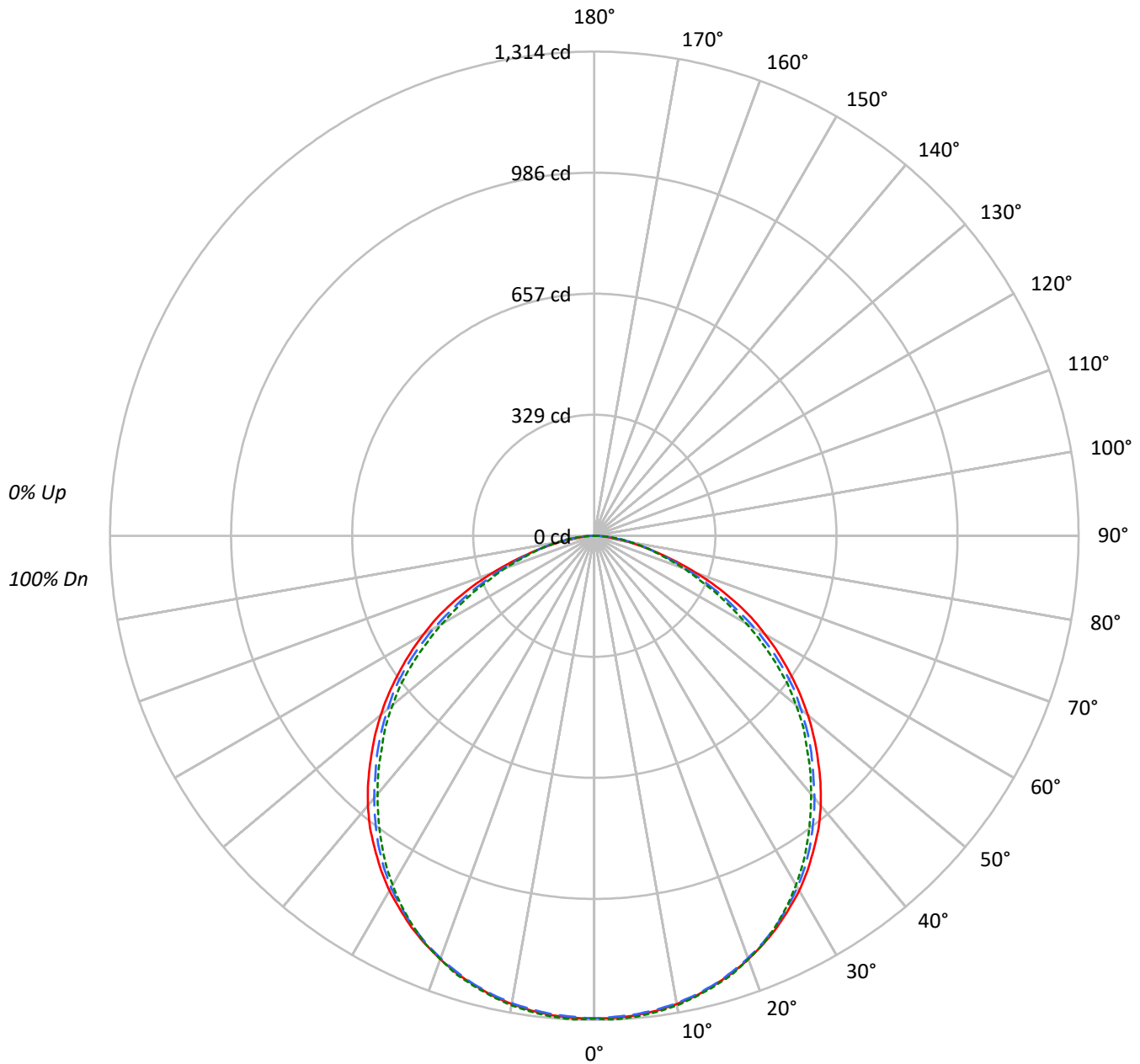
Lumens per Lamp: N/A
Luminaire Lumens: 3476.5 lumens
Efficiency: N/A
Efficacy: 133.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

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	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
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	57	68	61	56	66	60	55	64	59	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	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°	124.2	3.6
10°-20°	356.3	10.3
20°-30°	538.5	15.5
30°-40°	639.4	18.4
40°-50°	644.2	18.5
50°-60°	556.9	16.0
60°-70°	380.6	10.9
70°-80°	187.7	5.4
80°-90°	48.5	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°	1019.1	29.3
0°-40°	1658.6	47.7
0°-60°	2859.7	82.3
0°-90°	3476.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3476.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1310	1310	1310	1310	1310	
5°	1306	1307	1303	1309	1310	124
15°	1262	1263	1260	1264	1265	356
25°	1173	1172	1168	1169	1167	540
35°	1038	1034	1022	1013	1009	650
45°	858	848	832	823	815	662
55°	647	645	625	606	600	578
65°	418	403	380	363	361	413
75°	177	176	173	173	168	193
85°	34	39	43	44	43	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1310.0	1310.0	1310.0	1310.0	1310.0
2.5°	1309.6	1310.0	1306.6	1312.5	1313.9
5°	1306.1	1306.6	1303.3	1308.6	1310.0
7.5°	1299.9	1300.8	1296.9	1302.2	1303.3
10°	1290.6	1291.1	1287.8	1293.1	1294.1
12.5°	1278.1	1278.4	1275.6	1280.4	1280.4
15°	1262.0	1263.4	1260.1	1264.5	1264.8
17.5°	1244.0	1244.6	1241.2	1246.0	1247.0
20°	1222.7	1222.7	1219.9	1223.7	1222.7
22.5°	1198.9	1198.9	1195.5	1197.5	1198.3
25°	1172.8	1171.7	1167.8	1168.9	1166.9
27.5°	1142.6	1142.6	1135.7	1135.7	1132.4
30°	1112.1	1109.6	1102.4	1098.0	1094.6
32.5°	1077.0	1073.6	1064.5	1056.7	1054.2
35°	1037.8	1034.3	1022.1	1013.0	1009.1
37.5°	999.9	992.2	976.1	966.9	962.5
40°	955.6	945.9	929.5	916.8	914.9
42.5°	908.2	900.4	879.1	869.7	867.5
45°	857.8	848.4	832.4	822.6	815.4
47.5°	808.2	801.3	783.0	771.3	768.9
50°	756.2	750.3	731.5	718.9	714.5
52.5°	702.4	698.5	682.4	666.4	661.1
55°	646.6	644.7	624.7	606.2	599.9
57.5°	591.8	589.3	564.4	543.1	537.3
60°	534.4	527.2	502.9	482.9	476.6
62.5°	480.1	464.6	438.3	422.8	415.6
65°	417.9	402.9	379.6	363.0	360.7
67.5°	356.8	338.8	320.8	310.6	302.8
70°	293.1	281.0	267.4	258.8	257.3
72.5°	233.9	225.2	218.4	213.1	208.7
75°	177.1	175.7	173.2	173.2	168.4
77.5°	130.2	133.5	135.5	134.9	136.0
80°	90.3	97.0	100.9	101.4	100.9
82.5°	57.3	65.1	71.4	72.3	73.4
85°	33.5	39.3	43.2	44.1	43.2
87.5°	15.0	18.9	19.9	20.8	19.9
90°	0.0	0.0	0.0	0.0	0.0







— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)