

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: P1046844

Luminaire Tested: 22PTR-35-PL1-L940-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046844
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/10/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-35-PL1-L940-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

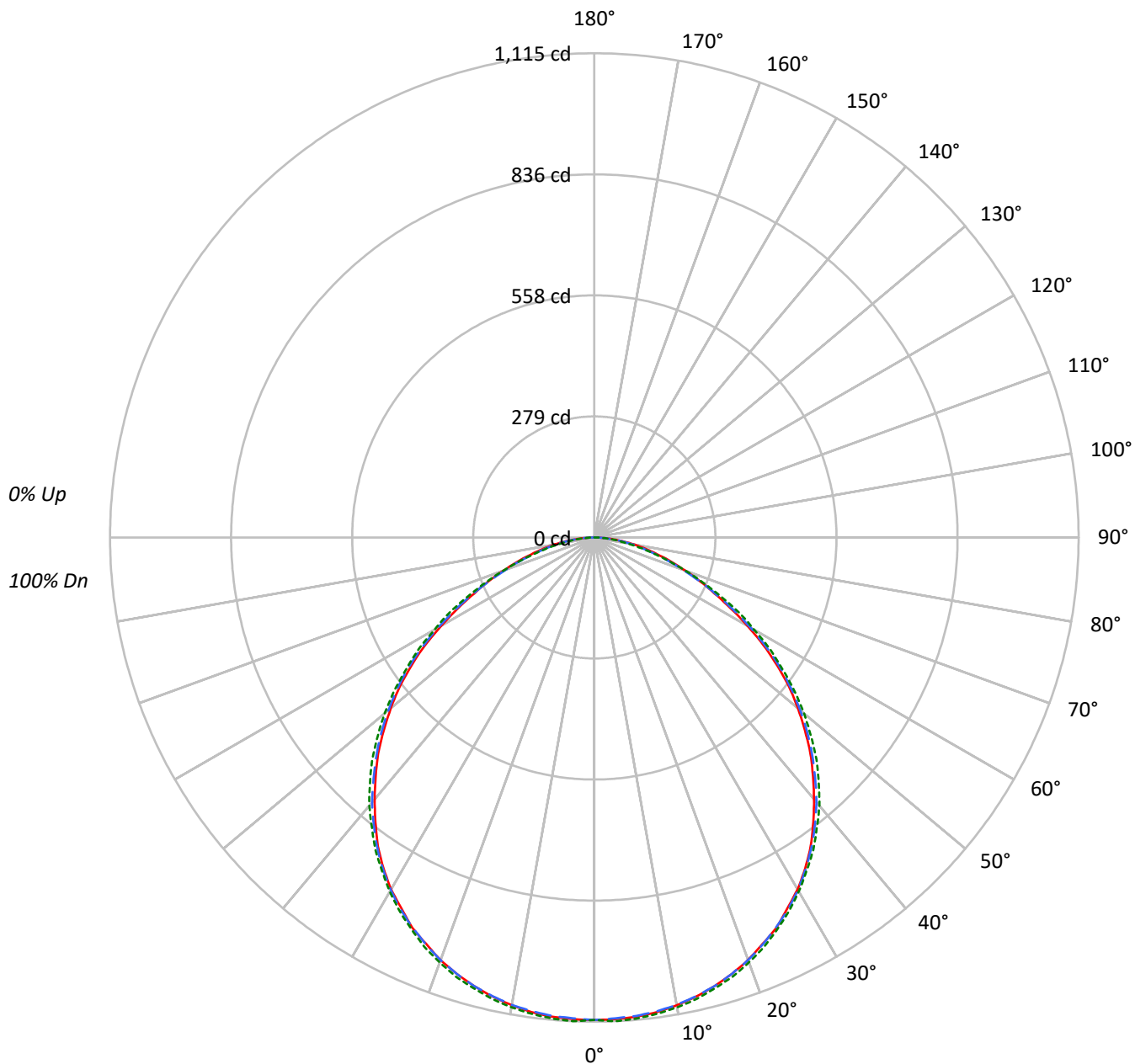
Lumens per Lamp: N/A
Luminaire Lumens: 2929.4 lumens
Efficiency: N/A
Efficacy: 112.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
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	94	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61		
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52		
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	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°	105.4	3.6
10°-20°	302.4	10.3
20°-30°	457.3	15.6
30°-40°	545.1	18.6
40°-50°	548.2	18.7
50°-60°	465.2	15.9
60°-70°	309.8	10.6
70°-80°	154.7	5.3
80°-90°	41.4	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°	865.1	29.5
0°-40°	1410.2	48.1
0°-60°	2423.6	82.7
0°-90°	2929.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2929.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1111	1111	1111	1111	1111	
5°	1108	1108	1106	1111	1112	105
15°	1070	1071	1069	1074	1075	302
25°	992	992	991	995	996	456
35°	868	869	872	878	879	542
45°	704	705	710	719	723	541
55°	514	518	522	527	528	458
65°	305	308	308	313	321	306
75°	151	149	142	139	139	162
85°	39	38	36	33	30	45
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1111.3	1111.3	1111.3	1111.3	1111.3
2.5°	1110.4	1111.3	1108.3	1113.7	1115.1
5°	1108.0	1108.3	1105.9	1110.9	1112.1
7.5°	1102.6	1103.1	1100.6	1105.9	1106.7
10°	1094.0	1094.9	1092.8	1097.7	1098.9
12.5°	1082.9	1084.1	1082.0	1087.4	1088.3
15°	1069.7	1070.9	1069.3	1073.8	1074.7
17.5°	1053.6	1054.5	1053.6	1057.8	1060.2
20°	1035.5	1035.5	1035.5	1039.2	1041.3
22.5°	1012.9	1015.0	1014.1	1019.0	1021.1
25°	991.9	991.9	990.6	995.2	996.0
27.5°	962.6	965.9	965.6	969.6	970.5
30°	935.8	936.7	937.2	940.0	941.7
32.5°	903.4	904.1	905.5	909.5	909.9
35°	868.4	869.3	871.6	877.8	878.7
37.5°	827.7	832.1	834.2	840.8	841.6
40°	786.8	789.7	795.9	802.8	806.1
42.5°	745.2	748.5	752.3	761.7	764.7
45°	703.6	704.8	709.5	718.9	723.1
47.5°	657.5	661.3	665.3	673.6	676.1
50°	611.5	615.5	618.1	625.4	630.3
52.5°	564.9	568.7	571.5	576.0	580.9
55°	513.9	517.5	522.1	527.1	528.3
57.5°	462.0	466.0	469.0	474.3	479.7
60°	406.3	411.0	415.0	420.0	425.3
62.5°	354.6	356.5	360.7	368.9	376.7
65°	305.1	307.6	308.4	313.0	320.8
67.5°	263.9	263.9	260.2	261.8	270.5
70°	220.7	219.0	216.2	214.5	221.6
72.5°	185.7	183.6	177.4	174.6	178.3
75°	150.7	148.6	142.0	138.7	139.1
77.5°	121.0	117.7	112.4	106.7	105.5
80°	91.9	90.5	85.3	79.9	75.7
82.5°	65.1	62.2	59.2	56.0	52.7
85°	39.0	38.3	35.5	33.4	30.5
87.5°	16.0	16.0	15.3	14.4	13.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° - - - 90°-270°





(END OF REPORT)