

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: P1046840

Luminaire Tested: 22PTR-35-PL1-L840-UNV-STD-W

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046840
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-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

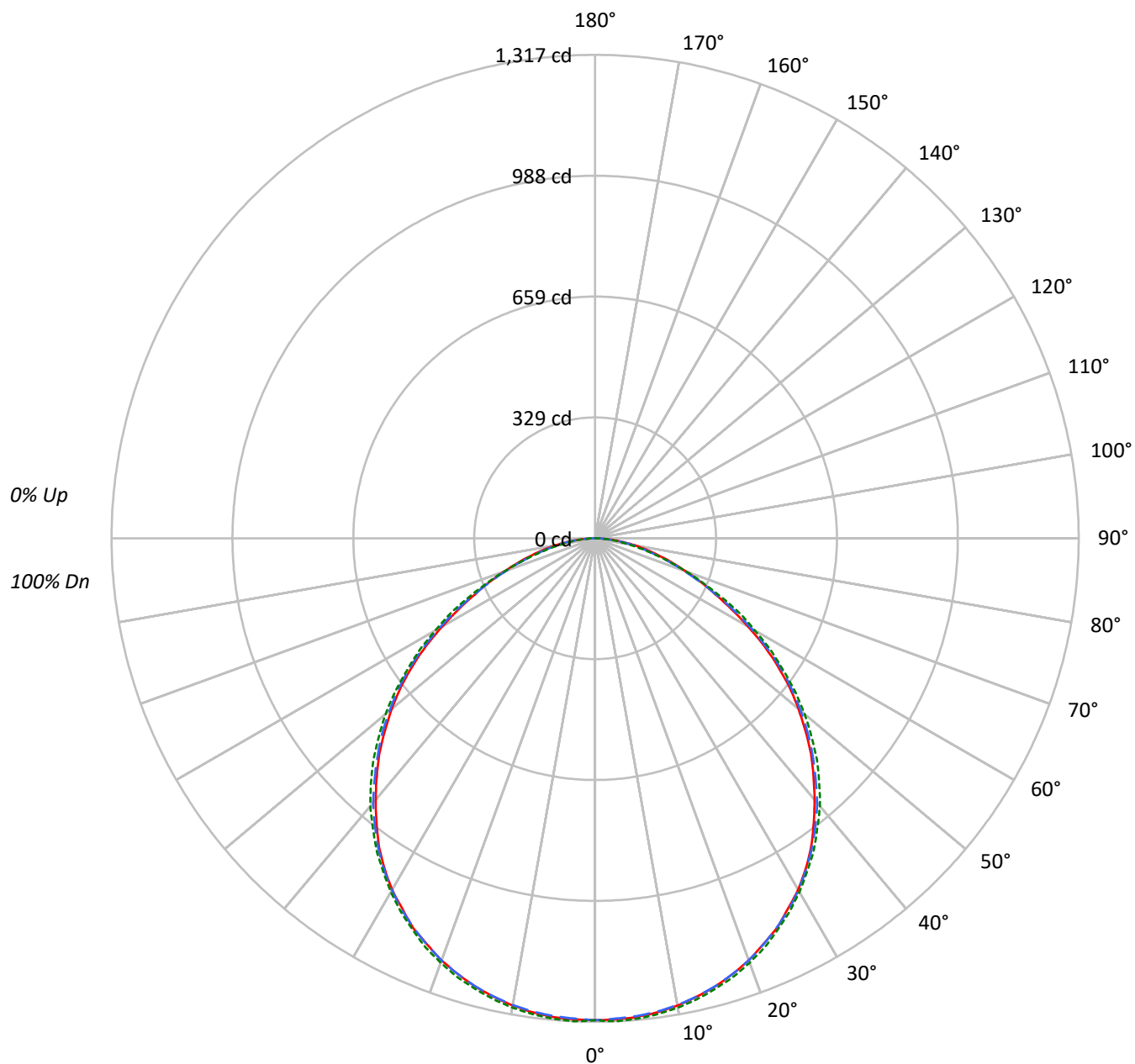
Lumens per Lamp: N/A
Luminaire Lumens: 3460.9 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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	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°	124.5	3.6
10°-20°	357.2	10.3
20°-30°	540.3	15.6
30°-40°	644.0	18.6
40°-50°	647.6	18.7
50°-60°	549.6	15.9
60°-70°	366.0	10.6
70°-80°	182.7	5.3
80°-90°	48.9	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°	1022.1	29.5
0°-40°	1666.1	48.1
0°-60°	2863.4	82.7
0°-90°	3460.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3460.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1313	1313	1313	1313	1313	
5°	1309	1309	1307	1312	1314	124
15°	1264	1265	1263	1269	1270	357
25°	1172	1172	1170	1176	1177	539
35°	1026	1027	1030	1037	1038	640
45°	831	833	838	849	854	640
55°	607	611	617	623	624	541
65°	360	363	364	370	379	361
75°	178	176	168	164	164	191
85°	46	45	42	39	36	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1313.0	1313.0	1313.0	1313.0	1313.0
2.5°	1311.9	1313.0	1309.4	1315.8	1317.4
5°	1309.1	1309.4	1306.6	1312.5	1313.9
7.5°	1302.7	1303.3	1300.3	1306.6	1307.5
10°	1292.5	1293.5	1291.1	1296.9	1298.3
12.5°	1279.4	1280.8	1278.3	1284.7	1285.8
15°	1263.8	1265.3	1263.3	1268.6	1269.7
17.5°	1244.8	1245.8	1244.8	1249.7	1252.5
20°	1223.4	1223.4	1223.4	1227.8	1230.3
22.5°	1196.7	1199.1	1198.1	1203.9	1206.4
25°	1171.9	1171.9	1170.3	1175.8	1176.7
27.5°	1137.3	1141.2	1140.8	1145.6	1146.6
30°	1105.6	1106.7	1107.2	1110.6	1112.5
32.5°	1067.3	1068.2	1069.8	1074.5	1075.1
35°	1025.9	1027.0	1029.8	1037.1	1038.1
37.5°	977.8	983.1	985.6	993.4	994.3
40°	929.6	932.9	940.4	948.5	952.4
42.5°	880.4	884.3	888.8	899.9	903.4
45°	831.3	832.7	838.2	849.3	854.3
47.5°	776.9	781.3	786.1	795.8	798.8
50°	722.4	727.2	730.2	738.9	744.7
52.5°	667.4	671.9	675.2	680.5	686.4
55°	607.2	611.4	616.9	622.7	624.1
57.5°	545.8	550.6	554.1	560.3	566.7
60°	480.1	485.6	490.3	496.2	502.5
62.5°	418.9	421.2	426.2	435.9	445.1
65°	360.4	363.4	364.3	369.8	379.0
67.5°	311.8	311.8	307.4	309.3	319.6
70°	260.7	258.8	255.4	253.5	261.8
72.5°	219.4	216.9	209.6	206.3	210.7
75°	178.0	175.5	167.7	163.9	164.4
77.5°	143.0	139.1	132.7	126.0	124.6
80°	108.5	106.9	100.8	94.4	89.4
82.5°	76.9	73.5	70.0	66.1	62.2
85°	46.1	45.3	41.9	39.4	36.1
87.5°	18.9	18.9	18.0	17.0	16.1
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)