

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: P1046715

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046715
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-35-L850-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

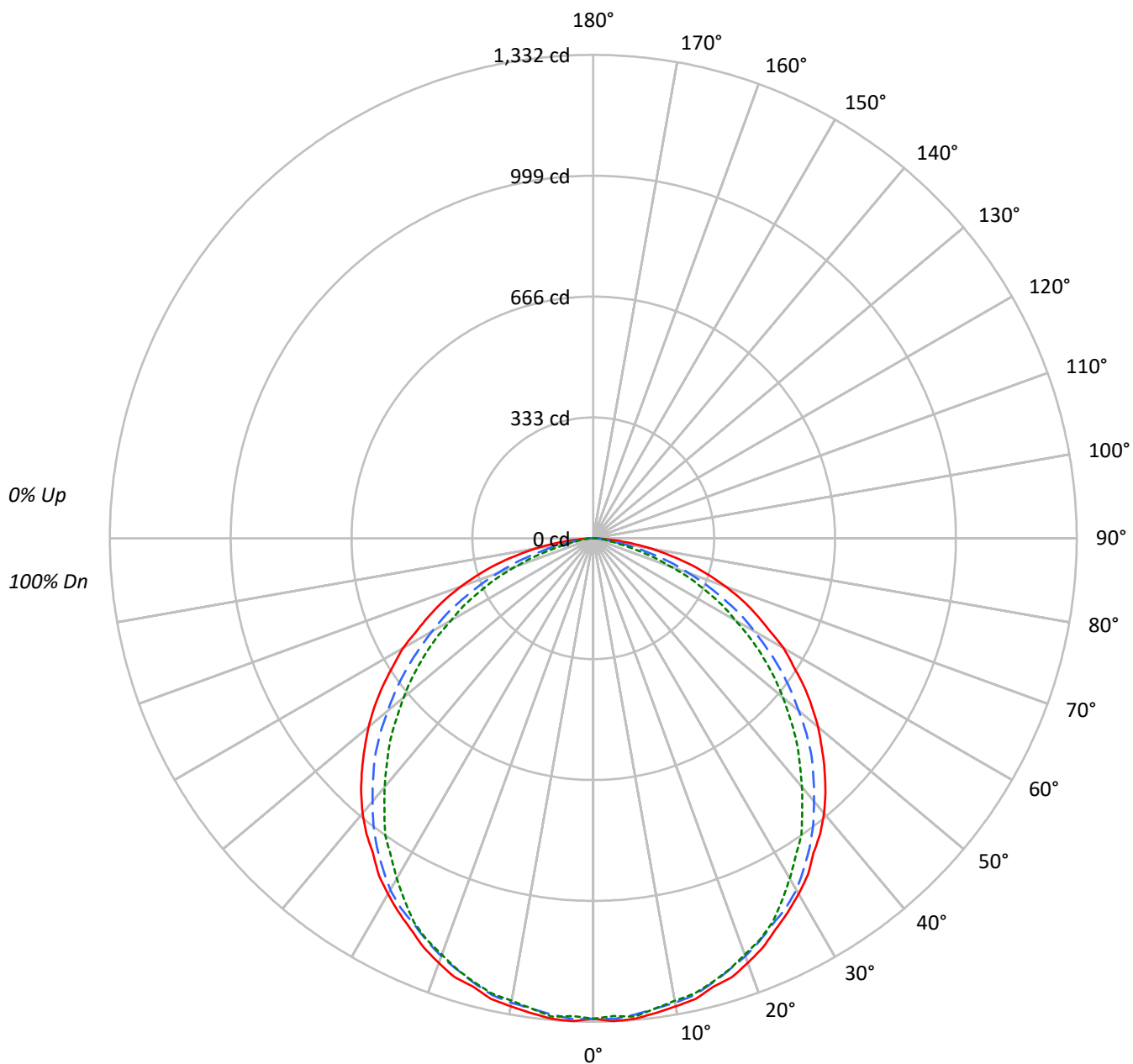
Lumens per Lamp: N/A
Luminaire Lumens: 3526.2 lumens
Efficiency: N/A
Efficacy: 135.6 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 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	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°	125.5	3.6
10°-20°	359.1	10.2
20°-30°	542.4	15.4
30°-40°	644.9	18.3
40°-50°	654.0	18.5
50°-60°	567.9	16.1
60°-70°	403.2	11.4
70°-80°	192.7	5.5
80°-90°	36.5	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°	1027.0	29.1
0°-40°	1671.9	47.4
0°-60°	2893.8	82.1
0°-90°	3526.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3526.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1324	1324	1324	1324	1324	
5°	1329	1324	1318	1321	1323	126
15°	1279	1282	1269	1267	1266	362
25°	1189	1187	1172	1176	1168	549
35°	1058	1056	1039	1004	999	665
45°	901	893	851	806	792	695
55°	707	686	628	591	571	632
65°	494	457	397	355	341	490
75°	275	225	167	132	118	289
85°	54	28	24	24	23	68
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1323.8	1323.8	1323.8	1323.8	1323.8
2.5°	1331.7	1327.0	1325.4	1330.9	1317.5
5°	1328.6	1323.8	1317.5	1320.7	1323.0
7.5°	1319.1	1315.1	1306.5	1313.6	1306.5
10°	1309.6	1305.7	1299.4	1301.7	1293.9
12.5°	1300.2	1290.7	1289.1	1290.7	1285.2
15°	1278.9	1282.0	1268.6	1267.1	1266.3
17.5°	1268.6	1260.7	1246.6	1247.3	1245.8
20°	1245.0	1235.5	1225.3	1223.7	1220.5
22.5°	1220.5	1209.5	1200.0	1204.8	1197.7
25°	1189.0	1187.4	1171.6	1176.4	1167.7
27.5°	1161.4	1155.9	1148.8	1138.5	1125.9
30°	1131.4	1125.9	1118.8	1092.0	1082.6
32.5°	1099.9	1093.6	1079.4	1047.9	1037.6
35°	1058.1	1056.5	1039.2	1003.7	999.0
37.5°	1026.6	1009.2	995.0	958.8	945.4
40°	988.7	979.3	946.1	911.5	894.1
42.5°	946.9	935.9	898.1	861.0	842.1
45°	901.2	893.3	850.7	805.8	792.4
47.5°	853.9	846.8	796.3	753.0	735.6
50°	808.2	799.5	738.8	697.0	681.2
52.5°	758.5	744.3	684.4	643.4	628.4
55°	707.2	686.0	628.4	591.3	570.8
57.5°	652.8	633.1	569.3	530.6	514.1
60°	605.5	577.9	512.5	473.1	451.8
62.5°	544.8	521.2	458.9	412.4	402.1
65°	494.4	457.3	397.4	354.8	341.4
67.5°	443.1	399.7	339.0	295.7	288.6
70°	387.1	342.2	279.9	237.3	225.5
72.5°	330.4	286.2	225.5	180.6	173.5
75°	275.2	224.7	167.2	132.5	117.5
77.5°	215.2	169.5	117.5	81.2	71.7
80°	160.1	114.3	67.8	48.1	47.3
82.5°	104.9	66.2	36.3	37.1	35.5
85°	53.6	28.4	24.4	23.7	22.9
87.5°	10.2	11.0	11.8	11.8	11.8
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)