

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: P1046714

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

Issue Date: 7/10/2025

Test Information

Test Method: LM-79-2019
Report Number: P1046714
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-L840-UNV-STD-W
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

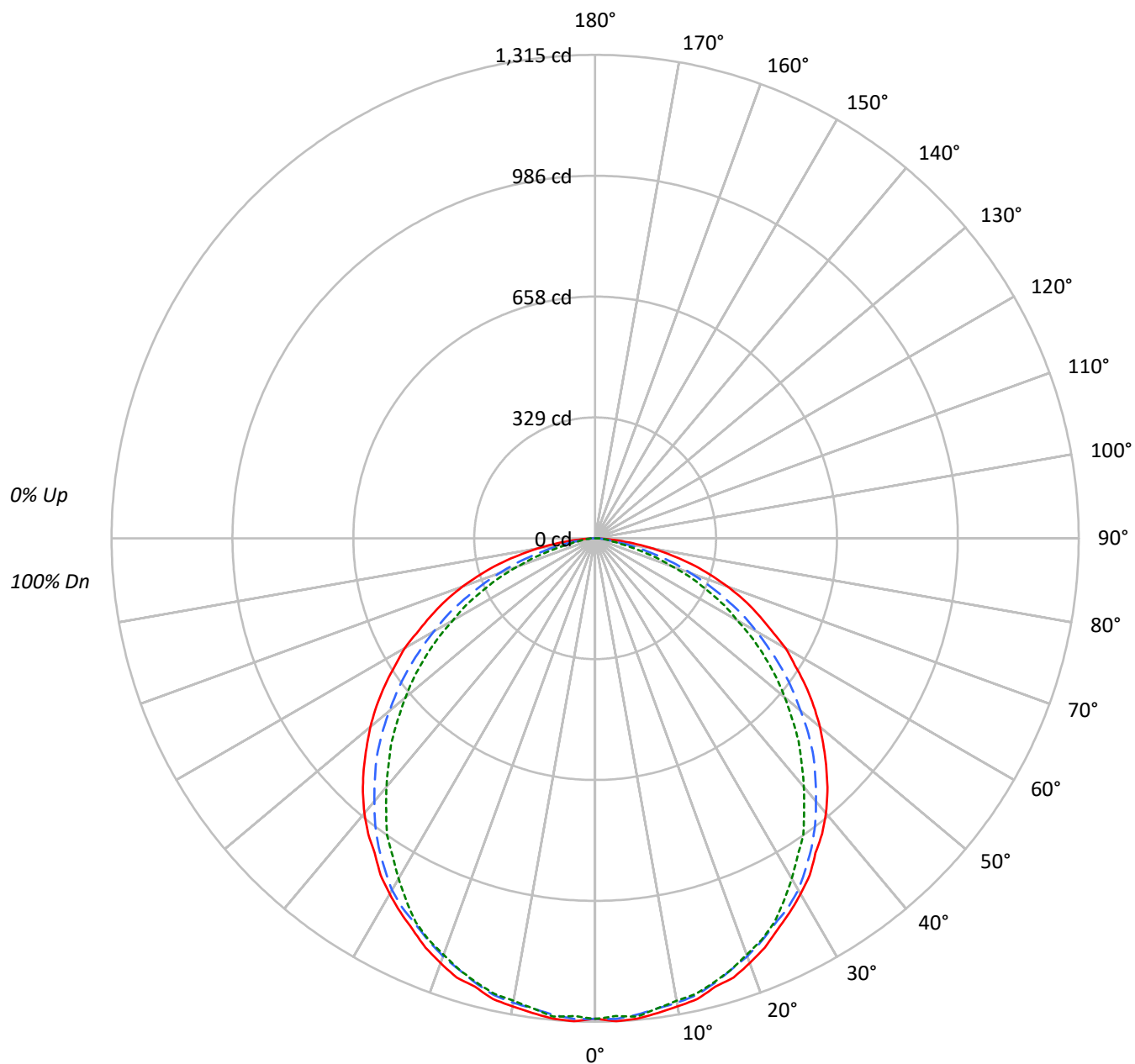
Lumens per Lamp: N/A
Luminaire Lumens: 3481.7 lumens
Efficiency: N/A
Efficacy: 133.9 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: (L: 2 ' x W: 0 ' x H: 2 '
CIE Type: Direct

Input Watts (W): 26
Input Voltage (V): 120
Input Current (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
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97		107	103	99	96		98	95	93		95	92	90		91	89	87
2	100	92	85	80		97	90	84	79		87	81	77		83	79	75		80	77	74
3	91	81	73	67		89	79	72	66		76	70	65		74	68	64		71	67	63
4	84	72	63	57		81	71	63	56		68	61	56		66	60	55		64	58	54
5	77	64	56	49		75	63	55	49		61	54	48		59	53	48		57	52	47
6	71	58	49	43		69	57	49	43		55	48	42		54	47	42		52	46	42
7	66	53	44	38		64	52	44	38		50	43	38		49	42	37		48	42	37
8	61	48	40	34		60	47	39	34		46	39	34		45	38	33		44	38	33
9	57	44	36	31		56	44	36	30		42	35	30		41	35	30		40	34	30
10	54	41	33	28		53	40	33	28		39	32	28		38	32	27		37	32	27

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°	123.9	3.6
10°-20°	354.5	10.2
20°-30°	535.5	15.4
30°-40°	636.8	18.3
40°-50°	645.8	18.5
50°-60°	560.8	16.1
60°-70°	398.1	11.4
70°-80°	190.2	5.5
80°-90°	36.1	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°	1014.0	29.1
0°-40°	1650.8	47.4
0°-60°	2857.3	82.1
0°-90°	3481.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3481.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1307	1307	1307	1307	1307	
5°	1312	1307	1301	1304	1306	125
15°	1263	1266	1253	1251	1250	358
25°	1174	1172	1157	1162	1153	542
35°	1045	1043	1026	991	986	656
45°	890	882	840	796	782	686
55°	698	677	620	584	564	624
65°	488	452	392	350	337	483
75°	272	222	165	131	116	285
85°	53	28	24	23	23	67
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1307.1	1307.1	1307.1	1307.1	1307.1
2.5°	1314.9	1310.2	1308.7	1314.1	1300.9
5°	1311.8	1307.1	1300.9	1304.0	1306.3
7.5°	1302.4	1298.5	1290.0	1297.0	1290.0
10°	1293.1	1289.2	1283.0	1285.3	1277.5
12.5°	1283.8	1274.4	1272.9	1274.4	1269.0
15°	1262.7	1265.8	1252.6	1251.1	1250.3
17.5°	1252.6	1244.8	1230.8	1231.6	1230.0
20°	1229.3	1219.9	1209.8	1208.2	1205.1
22.5°	1205.1	1194.2	1184.9	1189.6	1182.5
25°	1174.0	1172.4	1156.9	1161.5	1153.0
27.5°	1146.7	1141.3	1134.3	1124.2	1111.7
30°	1117.2	1111.7	1104.7	1078.2	1068.9
32.5°	1086.0	1079.8	1065.8	1034.6	1024.5
35°	1044.8	1043.2	1026.1	991.0	986.4
37.5°	1013.6	996.5	982.5	946.7	933.4
40°	976.2	966.9	934.2	899.9	882.8
42.5°	935.0	924.1	886.7	850.1	831.4
45°	889.8	882.0	840.0	795.6	782.4
47.5°	843.1	836.1	786.3	743.5	726.3
50°	798.0	789.4	729.5	688.2	672.6
52.5°	748.9	734.9	675.7	635.3	620.5
55°	698.3	677.3	620.5	583.9	563.6
57.5°	644.6	625.1	562.1	523.9	507.6
60°	597.9	570.6	506.0	467.1	446.1
62.5°	537.9	514.6	453.1	407.2	397.0
65°	488.1	451.5	392.4	350.3	337.1
67.5°	437.5	394.7	334.8	291.9	284.9
70°	382.2	337.9	276.4	234.3	222.7
72.5°	326.2	282.6	222.7	178.3	171.3
75°	271.7	221.9	165.0	130.8	116.0
77.5°	212.5	167.4	116.0	80.2	70.8
80°	158.0	112.9	67.0	47.5	46.7
82.5°	103.5	65.4	35.8	36.6	35.0
85°	52.9	28.0	24.1	23.4	22.6
87.5°	10.1	10.9	11.7	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0





— 0°-180° - - 45°-225° - - - 90°-270°



(END OF REPORT)