

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: P1471672

Luminaire Tested: 14PTR-42S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-42S-PLG-L835-UNV-STD-W
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

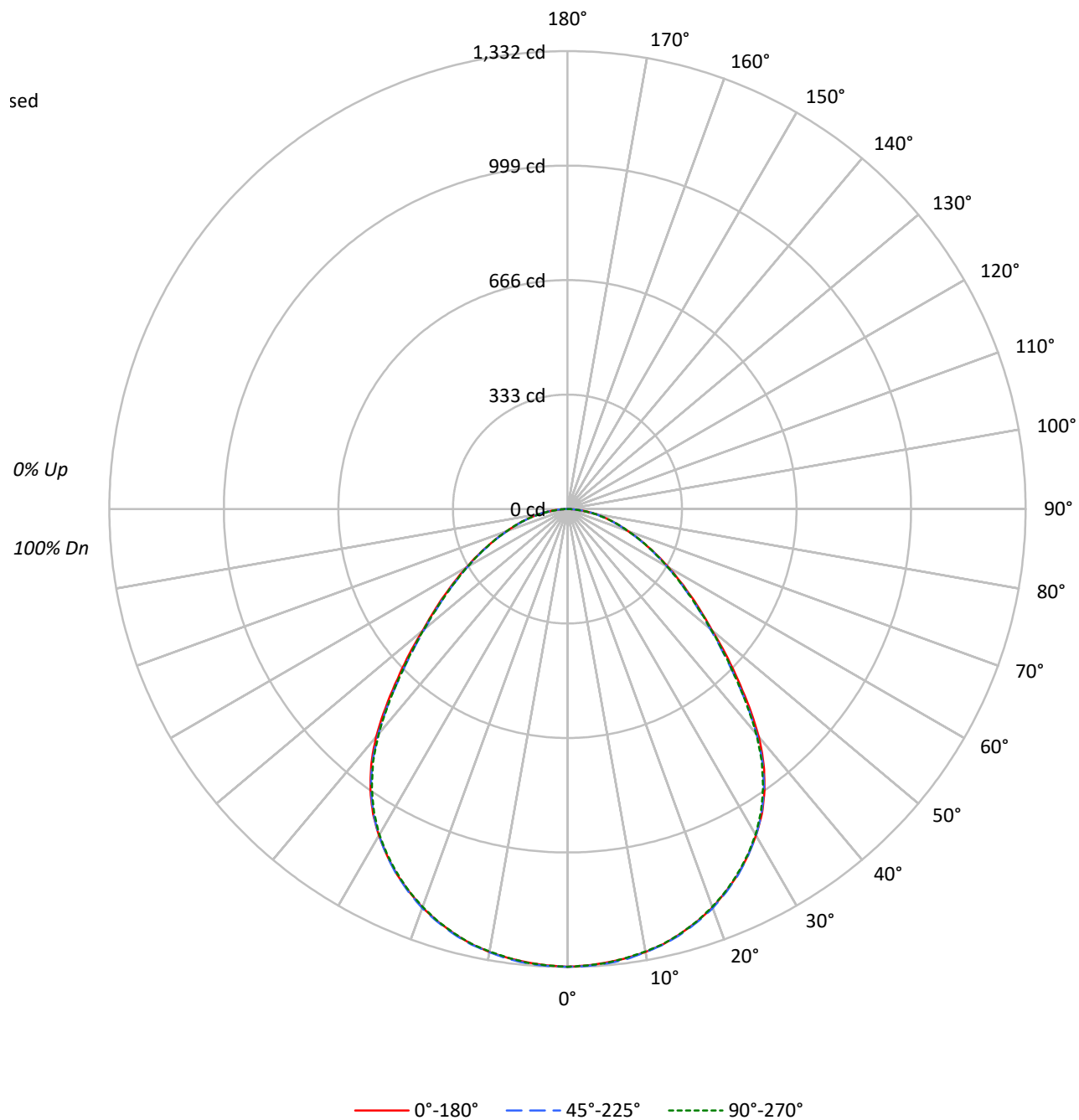
Lumens per Lamp: N/A
Luminaire Lumens: 3000.2 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
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				0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	110	106	102	98	107	103	100	97	99	96	94		95	93	91		86
2	101	94	87	82	99	92	86	81	88	84	79		85	81	78		74
3	93	83	76	70	91	82	75	69	79	73	68		76	71	67		64
4	86	75	67	60	84	73	66	60	71	64	59		69	63	58		56
5	79	67	59	53	77	66	58	53	64	57	52		62	56	51		49
6	74	61	53	47	72	60	52	47	58	51	46		57	51	46		43
7	69	56	48	42	67	55	47	42	54	46	41		52	46	41		39
8	64	51	43	38	62	51	43	38	49	42	37		48	42	37		35
9	60	47	39	34	59	47	39	34	46	39	34		44	38	34		32
10	56	44	36	31	55	43	36	31	42	36	31		41	35	31		29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3583	3583	3583
5°	3576	3584	3579
10°	3574	3576	3571
15°	3559	3565	3557
20°	3531	3537	3526
25°	3482	3485	3474
30°	3406	3406	3397
35°	3281	3272	3256
40°	3041	3008	2997
45°	2657	2614	2625
50°	2295	2267	2279
55°	2039	2008	2013
60°	1826	1800	1800
65°	1636	1624	1631
70°	1472	1457	1472
75°	1366	1346	1366
80°	1274	1260	1215
85°	1081	1081	963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2657 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	4.2
10°-20°	360.7	12.0
20°-30°	539.7	18.0
30°-40°	618.4	20.6
40°-50°	534.8	17.8
50°-60°	387.1	12.9
60°-70°	254.9	8.5
70°-80°	138.8	4.6
80°-90°	39.8	1.3
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°	1026.5	34.2
0°-40°	1644.9	54.8
0°-60°	2566.7	85.6
0°-90°	3000.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3000.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1332	1332	1332	1332	1332	
5°	1324	1327	1327	1327	1325	126
15°	1278	1279	1280	1281	1277	360
25°	1173	1173	1174	1175	1170	539
35°	999	998	996	995	991	621
45°	698	696	687	686	690	541
55°	435	433	428	425	429	391
65°	257	259	255	253	256	257
75°	131	131	130	130	131	140
85°	35	35	35	36	31	41
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1331.5	1331.5	1331.5	1331.5	1331.5
2.5°	1328.7	1331.5	1330.5	1331.5	1328.7
5°	1323.9	1326.8	1326.8	1326.8	1324.9
7.5°	1317.3	1319.2	1320.1	1321.1	1316.4
10°	1307.9	1309.8	1308.8	1310.7	1306.9
12.5°	1295.6	1295.6	1296.5	1298.4	1294.6
15°	1277.6	1278.6	1279.5	1281.4	1276.7
17.5°	1256.8	1257.8	1258.7	1259.7	1255.9
20°	1233.2	1233.2	1235.1	1236.0	1231.3
22.5°	1203.9	1203.9	1205.8	1208.6	1203.0
25°	1172.7	1172.7	1173.7	1174.6	1169.9
27.5°	1135.9	1135.9	1136.8	1139.7	1134.0
30°	1096.2	1095.2	1096.2	1097.1	1093.3
32.5°	1051.8	1050.8	1049.9	1050.8	1046.1
35°	998.9	997.9	996.0	995.1	991.3
37.5°	937.4	935.5	931.8	931.8	928.0
40°	865.6	860.9	856.2	854.3	853.3
42.5°	782.4	778.7	772.1	771.1	771.1
45°	698.3	696.5	687.0	686.1	689.8
47.5°	622.7	618.0	609.5	607.6	613.3
50°	548.1	549.0	541.5	538.6	544.3
52.5°	489.5	487.6	481.0	479.1	483.8
55°	434.7	432.8	428.1	425.2	429.0
57.5°	384.6	383.7	378.9	378.0	379.9
60°	339.2	338.3	334.5	333.6	334.5
62.5°	296.7	296.7	292.9	291.1	293.9
65°	257.0	258.9	255.1	253.3	256.1
67.5°	221.1	223.0	219.2	217.3	221.1
70°	187.1	189.0	185.2	183.3	187.1
72.5°	157.8	158.8	155.9	155.0	159.7
75°	131.4	131.4	129.5	129.5	131.4
77.5°	106.8	105.8	104.9	104.9	103.0
80°	82.2	81.3	81.3	81.3	78.4
82.5°	58.6	56.7	57.6	58.6	53.9
85°	35.0	35.0	35.0	35.9	31.2
87.5°	14.2	14.2	13.2	14.2	12.3
90°	0.0	0.0	0.0	0.0	0.0

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.7	15.2	14.1	15.5	15.8	13.6	15.1	14.0	15.4	15.7
	3H	15.1	16.5	15.5	16.8	17.2	15.0	16.4	15.4	16.7	17.1
	4H	15.7	17.0	16.1	17.3	17.7	15.6	16.9	16.0	17.2	17.6
	6H	16.1	17.3	16.5	17.7	18.0	16.0	17.2	16.4	17.5	17.9
	8H	16.3	17.4	16.7	17.8	18.2	16.1	17.3	16.6	17.6	18.0
	12H	16.4	17.4	16.8	17.8	18.2	16.2	17.3	16.6	17.7	18.1
4H	2H	14.2	15.5	14.6	15.8	16.2	14.1	15.4	14.5	15.7	16.1
	3H	15.8	16.9	16.3	17.3	17.7	15.7	16.8	16.2	17.2	17.6
	4H	16.5	17.5	17.0	17.9	18.3	16.4	17.4	16.9	17.8	18.2
	6H	17.1	17.9	17.5	18.4	18.8	17.0	17.8	17.4	18.3	18.7
	8H	17.3	18.0	17.7	18.5	19.0	17.2	17.9	17.6	18.4	18.8
	12H	17.4	18.1	17.9	18.6	19.0	17.3	18.0	17.8	18.5	18.9
8H	4H	16.8	17.5	17.2	18.0	18.4	16.7	17.5	17.2	17.9	18.4
	6H	17.4	18.1	17.9	18.6	19.1	17.4	18.0	17.9	18.5	19.0
	8H	17.7	18.3	18.2	18.8	19.3	17.6	18.2	18.1	18.7	19.2
	12H	17.9	18.4	18.4	18.9	19.5	17.8	18.3	18.3	18.8	19.4
12H	4H	16.8	17.5	17.3	18.0	18.4	16.7	17.4	17.2	17.9	18.4
	6H	17.5	18.1	18.0	18.5	19.1	17.4	18.0	17.9	18.5	19.0
	8H	17.8	18.3	18.3	18.8	19.4	17.7	18.2	18.2	18.7	19.3

(END OF REPORT)