

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: P1471670

Luminaire Tested: 14PTR-42S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471670
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-42S-PL1-L835-UNV-STD-W
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

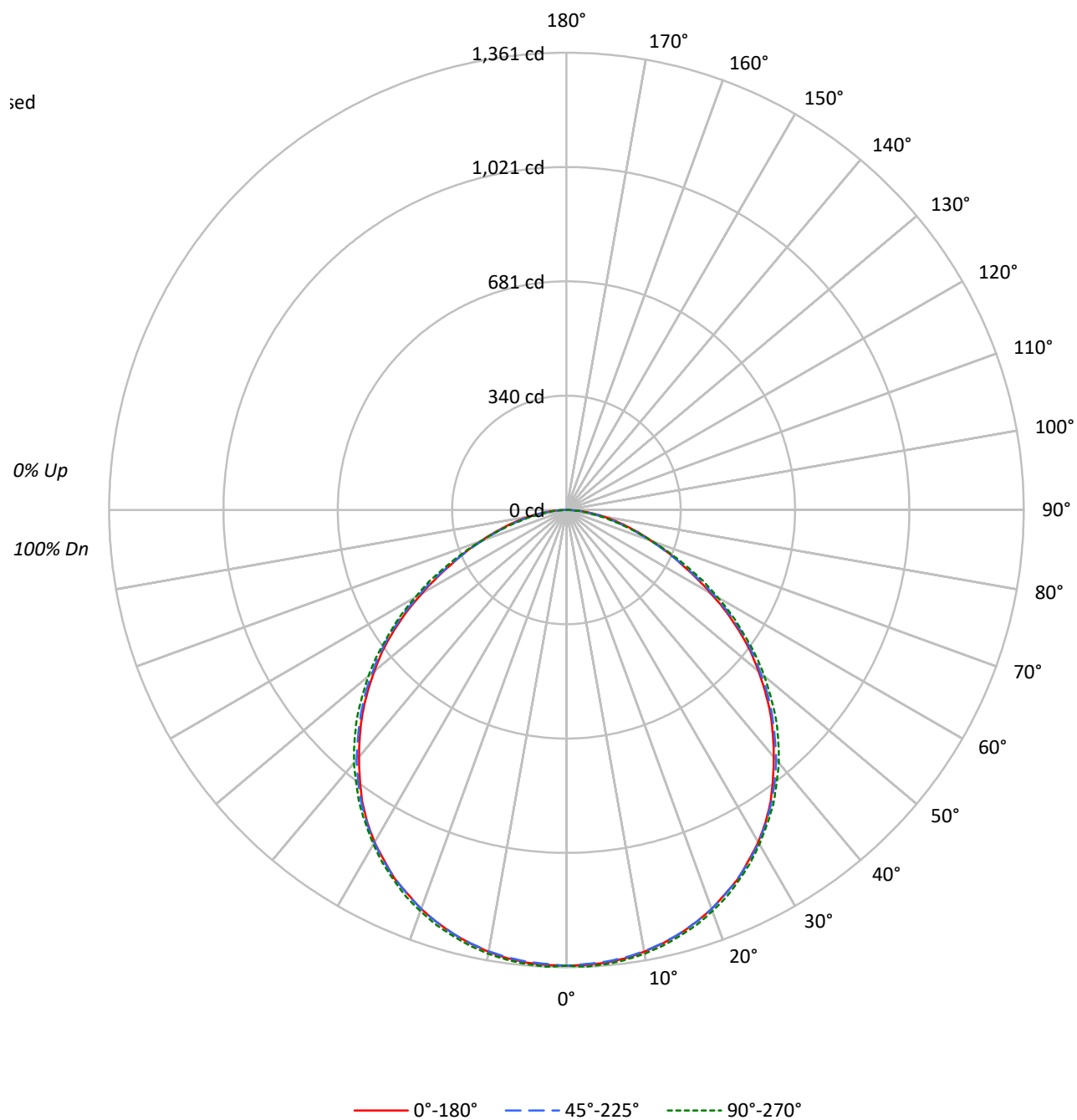
Lumens per Lamp: N/A
Luminaire Lumens: 3575.1 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			102
1	109	105	101	97	107	103	99	96		98	95	93			94	92	90			91
2	100	92	86	80	97	90	84	79		87	82	77			83	79	75			80
3	91	81	73	67	89	80	72	66		77	70	65			74	69	64			71
4	84	72	64	57	82	71	63	57		68	61	56			66	60	55			64
5	77	65	56	49	75	64	55	49		61	54	49			60	53	48			58
6	71	58	50	43	69	57	49	43		56	48	43			54	47	42			52
7	66	53	44	38	65	52	44	38		51	43	38			49	43	38			48
8	62	48	40	34	60	48	40	34		46	39	34			45	39	34			44
9	58	44	36	31	56	44	36	31		43	36	31			42	35	30			41
10	54	41	33	28	53	41	33	28		40	33	28			39	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3650	3650	3650
5°	3653	3646	3666
10°	3648	3644	3665
15°	3637	3636	3654
20°	3619	3619	3639
25°	3594	3589	3609
30°	3549	3554	3571
35°	3481	3495	3523
40°	3373	3412	3456
45°	3268	3295	3358
50°	3124	3158	3220
55°	2943	2989	3025
60°	2669	2726	2794
65°	2371	2396	2493
70°	2119	2076	2127
75°	1912	1802	1765
80°	1737	1613	1432
85°	1473	1337	1149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3358 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	3.6
10°-20°	369.0	10.3
20°-30°	558.1	15.6
30°-40°	665.3	18.6
40°-50°	669.0	18.7
50°-60°	567.8	15.9
60°-70°	378.0	10.6
70°-80°	188.8	5.3
80°-90°	50.5	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°	1055.8	29.5
0°-40°	1721.1	48.1
0°-60°	2957.8	82.7
0°-90°	3575.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3575.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1356	1356	1356	1356	1356	
5°	1352	1353	1350	1356	1357	129
15°	1306	1307	1305	1310	1312	368
25°	1211	1211	1209	1215	1216	557
35°	1060	1061	1064	1071	1072	661
45°	859	860	866	877	882	661
55°	627	632	637	643	645	559
65°	372	375	376	382	392	373
75°	184	181	173	169	170	197
85°	48	47	43	41	37	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1356.3	1356.3	1356.3	1356.3	1356.3
2.5°	1355.2	1356.3	1352.6	1359.2	1360.8
5°	1352.3	1352.6	1349.7	1355.7	1357.2
7.5°	1345.7	1346.2	1343.1	1349.7	1350.6
10°	1335.1	1336.2	1333.6	1339.7	1341.1
12.5°	1321.6	1323.0	1320.5	1327.1	1328.2
15°	1305.5	1307.0	1305.0	1310.4	1311.5
17.5°	1285.8	1286.9	1285.8	1290.9	1293.8
20°	1263.7	1263.7	1263.7	1268.3	1270.8
22.5°	1236.1	1238.7	1237.6	1243.6	1246.2
25°	1210.6	1210.6	1208.9	1214.6	1215.5
27.5°	1174.8	1178.8	1178.4	1183.4	1184.5
30°	1142.1	1143.2	1143.7	1147.2	1149.2
32.5°	1102.5	1103.4	1105.0	1110.0	1110.5
35°	1059.7	1060.8	1063.8	1071.3	1072.3
37.5°	1010.1	1015.6	1018.1	1026.2	1027.1
40°	960.2	963.7	971.4	979.8	983.8
42.5°	909.5	913.5	918.1	929.6	933.2
45°	858.7	860.2	865.8	877.3	882.5
47.5°	802.5	807.0	812.0	822.0	825.1
50°	746.2	751.2	754.3	763.2	769.2
52.5°	689.5	694.0	697.5	703.0	709.0
55°	627.2	631.6	637.2	643.3	644.7
57.5°	563.8	568.8	572.4	578.8	585.4
60°	495.9	501.6	506.5	512.5	519.1
62.5°	432.7	435.1	440.2	450.3	459.8
65°	372.3	375.4	376.3	382.0	391.5
67.5°	322.1	322.1	317.5	319.5	330.1
70°	269.3	267.3	263.8	261.8	270.4
72.5°	226.6	224.0	216.6	213.1	217.6
75°	183.9	181.3	173.3	169.3	169.8
77.5°	147.7	143.7	137.1	130.2	128.7
80°	112.1	110.5	104.1	97.5	92.4
82.5°	79.4	76.0	72.3	68.3	64.3
85°	47.7	46.7	43.3	40.7	37.2
87.5°	19.5	19.5	18.6	17.5	16.6
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	15.7	17.3	16.1	17.6	17.9	15.9	17.4	16.2	17.8	18.1
	3H	17.1	18.5	17.5	18.8	19.2	17.2	18.6	17.6	18.9	19.3
	4H	17.6	18.9	18.0	19.3	19.7	17.6	19.0	18.0	19.3	19.7
	6H	18.0	19.2	18.4	19.6	20.0	17.9	19.1	18.3	19.5	19.9
	8H	18.1	19.3	18.5	19.7	20.1	18.0	19.2	18.4	19.5	19.9
	12H	18.2	19.3	18.6	19.7	20.1	18.0	19.2	18.4	19.5	20.0
4H	2H	16.2	17.5	16.6	17.9	18.3	16.3	17.7	16.7	18.0	18.4
	3H	17.8	18.9	18.2	19.3	19.7	17.8	19.0	18.3	19.4	19.8
	4H	18.4	19.4	18.8	19.8	20.3	18.4	19.4	18.8	19.8	20.2
	6H	18.9	19.8	19.4	20.2	20.7	18.8	19.6	19.2	20.1	20.5
	8H	19.1	19.9	19.5	20.4	20.8	18.9	19.7	19.3	20.2	20.6
	12H	19.2	20.0	19.7	20.4	20.9	19.0	19.7	19.4	20.2	20.7
8H	4H	18.6	19.4	19.1	19.9	20.3	18.6	19.4	19.1	19.9	20.3
	6H	19.2	19.9	19.7	20.4	20.9	19.1	19.8	19.6	20.3	20.7
	8H	19.5	20.1	20.0	20.6	21.1	19.3	19.9	19.8	20.4	20.9
	12H	19.7	20.2	20.2	20.7	21.3	19.4	19.9	19.9	20.4	21.0
12H	4H	18.6	19.4	19.1	19.8	20.3	18.6	19.4	19.1	19.8	20.3
	6H	19.3	19.9	19.8	20.4	20.9	19.1	19.7	19.6	20.2	20.7
	8H	19.6	20.1	20.1	20.6	21.1	19.3	19.9	19.8	20.4	20.9

(END OF REPORT)