

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: P1471671

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471671
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-B
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

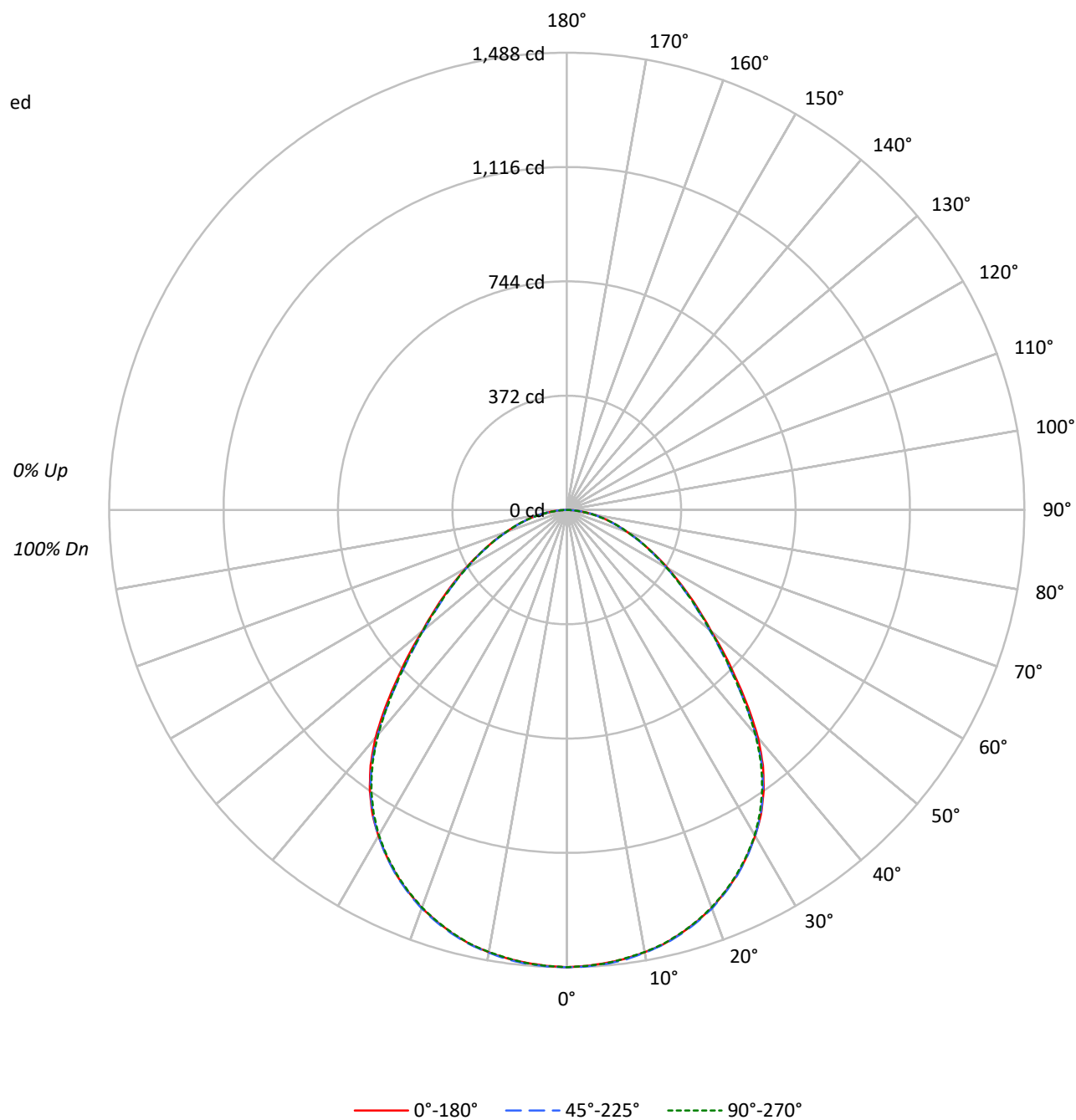
Lumens per Lamp: N/A
Luminaire Lumens: 3353.2 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1471671

CATALOG NUMBER: 14PTR-42S-PLG-L835-UNV-STD-B

Luminous Intensity Polar Plot



TEST NUMBER: P1471671

CATALOG NUMBER: 14PTR-42S-PLG-L835-UNV-STD-B

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		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	106	102	98	107	103	100	97		99	96	94		95	93	91		92	90	88
2	101	94	87	82	99	92	86	81		88	84	79		85	81	78		82	79	76
3	93	83	76	70	91	82	75	69		79	73	68		76	71	67		74	69	66
4	86	75	67	60	84	73	66	60		71	64	59		69	63	58		67	62	58
5	79	67	59	53	77	66	58	53		64	57	52		62	56	51		61	55	51
6	74	61	53	47	72	60	52	47		58	51	46		57	51	46		55	50	45
7	69	56	48	42	67	55	47	42		54	46	41		52	46	41		51	45	41
8	64	51	43	38	62	51	43	38		49	42	37		48	42	37		47	41	37
9	60	47	39	34	59	47	39	34		46	39	34		44	38	34		43	38	34
10	56	44	36	31	55	43	36	31		42	36	31		41	35	31		40	35	31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4004	4004	4004
5°	3997	4005	4000
10°	3994	3997	3991
15°	3978	3984	3975
20°	3947	3953	3941
25°	3892	3895	3882
30°	3807	3807	3797
35°	3667	3657	3640
40°	3398	3361	3350
45°	2970	2922	2934
50°	2565	2534	2547
55°	2279	2244	2250
60°	2041	2012	2012
65°	1829	1816	1822
70°	1645	1629	1645
75°	1526	1504	1526
80°	1424	1407	1359
85°	1207	1207	1078

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2970 cd/sqm

TEST NUMBER: P1471671

CATALOG NUMBER: 14PTR-42S-PLG-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	4.2
10°-20°	403.1	12.0
20°-30°	603.2	18.0
30°-40°	691.1	20.6
40°-50°	597.7	17.8
50°-60°	432.6	12.9
60°-70°	284.9	8.5
70°-80°	155.1	4.6
80°-90°	44.5	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°	1147.3	34.2
0°-40°	1838.4	54.8
0°-60°	2868.7	85.6
0°-90°	3353.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3353.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1488	1488	1488	1488	1488	
5°	1480	1483	1483	1483	1481	141
15°	1428	1429	1430	1432	1427	403
25°	1311	1311	1312	1313	1308	603
35°	1116	1115	1113	1112	1108	694
45°	780	778	768	767	771	604
55°	486	484	478	475	480	437
65°	287	289	285	283	286	287
75°	147	147	145	145	147	156
85°	39	39	39	40	35	45
90°	0	0	0	0	0	

TEST NUMBER: P1471671

CATALOG NUMBER: 14PTR-42S-PLG-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1488.1	1488.1	1488.1	1488.1	1488.1
2.5°	1485.0	1488.1	1487.1	1488.1	1485.0
5°	1479.7	1482.8	1482.8	1482.8	1480.7
7.5°	1472.3	1474.4	1475.5	1476.5	1471.2
10°	1461.7	1463.8	1462.8	1464.9	1460.7
12.5°	1448.0	1448.0	1449.1	1451.2	1446.9
15°	1427.9	1429.0	1430.0	1432.2	1426.9
17.5°	1404.7	1405.7	1406.8	1407.9	1403.6
20°	1378.3	1378.3	1380.4	1381.5	1376.2
22.5°	1345.5	1345.5	1347.7	1350.8	1344.5
25°	1310.7	1310.7	1311.8	1312.8	1307.5
27.5°	1269.5	1269.5	1270.6	1273.7	1267.4
30°	1225.1	1224.1	1225.1	1226.2	1222.0
32.5°	1175.5	1174.5	1173.4	1174.5	1169.2
35°	1116.4	1115.3	1113.2	1112.1	1107.9
37.5°	1047.7	1045.6	1041.4	1041.4	1037.1
40°	967.4	962.2	956.9	954.8	953.7
42.5°	874.5	870.3	862.9	861.8	861.8
45°	780.5	778.4	767.8	766.8	771.0
47.5°	696.0	690.7	681.2	679.1	685.4
50°	612.6	613.6	605.2	602.0	608.3
52.5°	547.1	545.0	537.6	535.5	540.8
55°	485.8	483.7	478.4	475.3	479.5
57.5°	429.9	428.8	423.5	422.5	424.6
60°	379.2	378.1	373.9	372.8	373.9
62.5°	331.6	331.6	327.4	325.3	328.5
65°	287.3	289.4	285.2	283.1	286.2
67.5°	247.1	249.3	245.0	242.9	247.1
70°	209.1	211.2	207.0	204.9	209.1
72.5°	176.4	177.4	174.3	173.2	178.5
75°	146.8	146.8	144.7	144.7	146.8
77.5°	119.3	118.3	117.2	117.2	115.1
80°	91.9	90.8	90.8	90.8	87.7
82.5°	65.5	63.4	64.4	65.5	60.2
85°	39.1	39.1	39.1	40.1	34.9
87.5°	15.8	15.8	14.8	15.8	13.7
90°	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P1471671

CATALOG NUMBER: 14PTR-42S-PLG-L835-UNV-STD-B

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	14.1	15.6	14.5	15.9	16.2	14.0	15.5	14.4	15.8	16.1
	3H	15.5	16.9	15.9	17.2	17.6	15.4	16.8	15.8	17.1	17.5
	4H	16.1	17.3	16.5	17.7	18.1	16.0	17.3	16.4	17.6	18.0
	6H	16.5	17.7	16.9	18.0	18.4	16.4	17.6	16.8	17.9	18.3
	8H	16.6	17.8	17.1	18.2	18.6	16.5	17.6	17.0	18.0	18.4
	12H	16.7	17.8	17.2	18.2	18.6	16.6	17.7	17.0	18.1	18.5
4H	2H	14.6	15.8	15.0	16.2	16.6	14.5	15.8	14.9	16.1	16.5
	3H	16.2	17.3	16.6	17.7	18.1	16.1	17.2	16.5	17.6	18.0
	4H	16.9	17.9	17.3	18.3	18.7	16.8	17.8	17.3	18.2	18.6
	6H	17.5	18.3	17.9	18.7	19.2	17.4	18.2	17.8	18.6	19.1
	8H	17.7	18.4	18.1	18.9	19.3	17.6	18.3	18.0	18.8	19.2
	12H	17.8	18.5	18.3	19.0	19.4	17.7	18.4	18.2	18.8	19.3
8H	4H	17.1	17.9	17.6	18.4	18.8	17.1	17.8	17.5	18.3	18.8
	6H	17.8	18.5	18.3	19.0	19.4	17.8	18.4	18.3	18.9	19.4
	8H	18.1	18.7	18.6	19.2	19.7	18.0	18.6	18.5	19.1	19.6
	12H	18.3	18.8	18.8	19.3	19.9	18.2	18.7	18.7	19.2	19.8
12H	4H	17.2	17.9	17.7	18.3	18.8	17.1	17.8	17.6	18.3	18.7
	6H	17.9	18.5	18.4	18.9	19.5	17.8	18.4	18.3	18.8	19.4
	8H	18.2	18.7	18.7	19.2	19.8	18.1	18.6	18.6	19.1	19.7

(END OF REPORT)