

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: P1471664

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-42S-L835-UNV-STD-W
Description: 4200 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White
Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

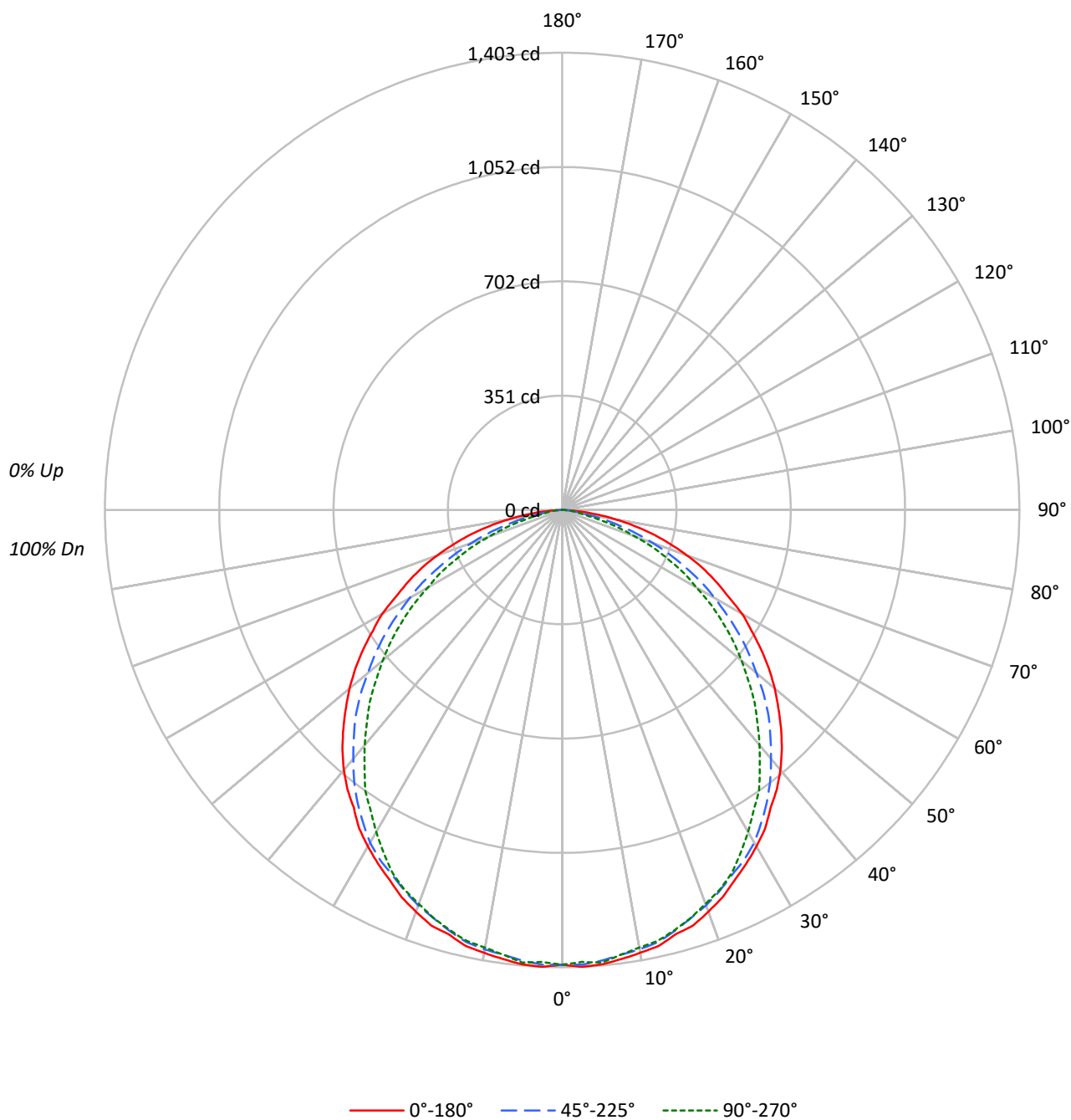
Lumens per Lamp: N/A
Luminaire Lumens: 3715.4 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3754	3754	3754
5°	3781	3750	3766
10°	3771	3741	3725
15°	3754	3724	3717
20°	3757	3697	3683
25°	3720	3665	3653
30°	3704	3663	3544
35°	3663	3597	3458
40°	3660	3502	3309
45°	3614	3411	3177
50°	3565	3259	3005
55°	3496	3106	2822
60°	3434	2906	2562
65°	3317	2666	2290
70°	3209	2320	1869
75°	3014	1831	1287
80°	2613	1106	772
85°	1744	797	744

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3614 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.6
10°-20°	378.3	10.2
20°-30°	571.5	15.4
30°-40°	679.5	18.3
40°-50°	689.1	18.5
50°-60°	598.4	16.1
60°-70°	424.8	11.4
70°-80°	203.0	5.5
80°-90°	38.5	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°	1082.1	29.1
0°-40°	1761.6	47.4
0°-60°	3049.1	82.1
0°-90°	3715.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3715.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1395	1395	1395	1395	1395	
5°	1400	1395	1388	1392	1394	133
15°	1348	1351	1337	1335	1334	382
25°	1253	1251	1234	1240	1230	579
35°	1115	1113	1095	1058	1053	701
45°	950	941	896	849	835	732
55°	745	723	662	623	602	666
65°	521	482	419	374	360	516
75°	290	237	176	140	124	304
85°	56	30	26	25	24	71
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1394.9	1394.9	1394.9	1394.9	1394.9
2.5°	1403.2	1398.2	1396.5	1402.3	1388.2
5°	1399.8	1394.9	1388.2	1391.5	1394.0
7.5°	1389.9	1385.7	1376.6	1384.1	1376.6
10°	1379.9	1375.8	1369.1	1371.6	1363.3
12.5°	1369.9	1360.0	1358.3	1360.0	1354.2
15°	1347.5	1350.8	1336.7	1335.0	1334.2
17.5°	1336.7	1328.4	1313.4	1314.3	1312.6
20°	1311.8	1301.8	1291.0	1289.4	1286.0
22.5°	1286.0	1274.4	1264.4	1269.4	1261.9
25°	1252.8	1251.1	1234.5	1239.5	1230.4
27.5°	1223.7	1217.9	1210.4	1199.6	1186.3
30°	1192.2	1186.3	1178.9	1150.6	1140.6
32.5°	1158.9	1152.3	1137.3	1104.1	1093.3
35°	1114.9	1113.2	1095.0	1057.6	1052.6
37.5°	1081.7	1063.4	1048.4	1010.2	996.1
40°	1041.8	1031.8	996.9	960.4	942.1
42.5°	997.8	986.1	946.2	907.2	887.3
45°	949.6	941.3	896.4	849.0	834.9
47.5°	899.7	892.2	839.1	793.4	775.1
50°	851.5	842.4	778.4	734.4	717.8
52.5°	799.2	784.2	721.1	677.9	662.1
55°	745.2	722.8	662.1	623.1	601.5
57.5°	687.9	667.1	599.8	559.1	541.7
60°	638.0	609.0	540.0	498.5	476.0
62.5°	574.1	549.1	483.5	434.5	423.7
65°	520.9	481.8	418.7	373.8	359.7
67.5°	466.9	421.2	357.2	311.5	304.1
70°	407.9	360.6	294.9	250.1	237.6
72.5°	348.1	301.6	237.6	190.2	182.8
75°	289.9	236.8	176.1	139.6	123.8
77.5°	226.8	178.6	123.8	85.6	75.6
80°	168.6	120.5	71.4	50.7	49.8
82.5°	110.5	69.8	38.2	39.0	37.4
85°	56.5	29.9	25.8	24.9	24.1
87.5°	10.8	11.6	12.5	12.5	12.5
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	16.7	18.3	17.1	18.7	19.0	15.4	17.0	15.8	17.3	17.6
	3H	18.6	20.0	18.9	20.3	20.7	16.7	18.1	17.1	18.5	18.8
	4H	19.3	20.6	19.7	21.0	21.3	17.0	18.3	17.4	18.7	19.1
	6H	19.7	21.0	20.2	21.4	21.7	17.1	18.3	17.5	18.7	19.1
	8H	19.9	21.1	20.3	21.5	21.9	17.1	18.3	17.5	18.7	19.1
	12H	19.9	21.1	20.4	21.5	21.9	17.1	18.2	17.5	18.6	19.0
4H	2H	17.2	18.5	17.6	18.9	19.2	16.1	17.4	16.5	17.8	18.2
	3H	19.2	20.3	19.6	20.7	21.1	17.5	18.7	17.9	19.1	19.5
	4H	20.0	21.0	20.4	21.4	21.8	17.9	18.9	18.3	19.3	19.7
	6H	20.6	21.4	21.0	21.9	22.3	18.0	18.9	18.5	19.3	19.8
	8H	20.7	21.6	21.2	22.0	22.5	18.0	18.8	18.5	19.3	19.8
	12H	20.8	21.6	21.3	22.0	22.5	18.0	18.8	18.5	19.3	19.7
8H	4H	20.1	20.9	20.5	21.3	21.8	18.1	19.0	18.6	19.4	19.9
	6H	20.7	21.4	21.2	21.9	22.4	18.3	19.0	18.8	19.5	19.9
	8H	20.9	21.5	21.4	22.0	22.5	18.3	19.0	18.9	19.5	19.9
	12H	21.0	21.6	21.5	22.1	22.6	18.4	18.9	18.9	19.4	20.0
12H	4H	20.1	20.8	20.5	21.3	21.7	18.2	18.9	18.7	19.4	19.9
	6H	20.7	21.3	21.2	21.8	22.3	18.3	18.9	18.9	19.4	19.9
	8H	20.9	21.5	21.4	21.9	22.5	18.4	18.9	18.9	19.4	20.0

(END OF REPORT)