

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: P1471704

Luminaire Tested: 22PTR-25S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471704
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: 22PTR-25S-PLG-L835-UNV-STD-W
Description: 2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

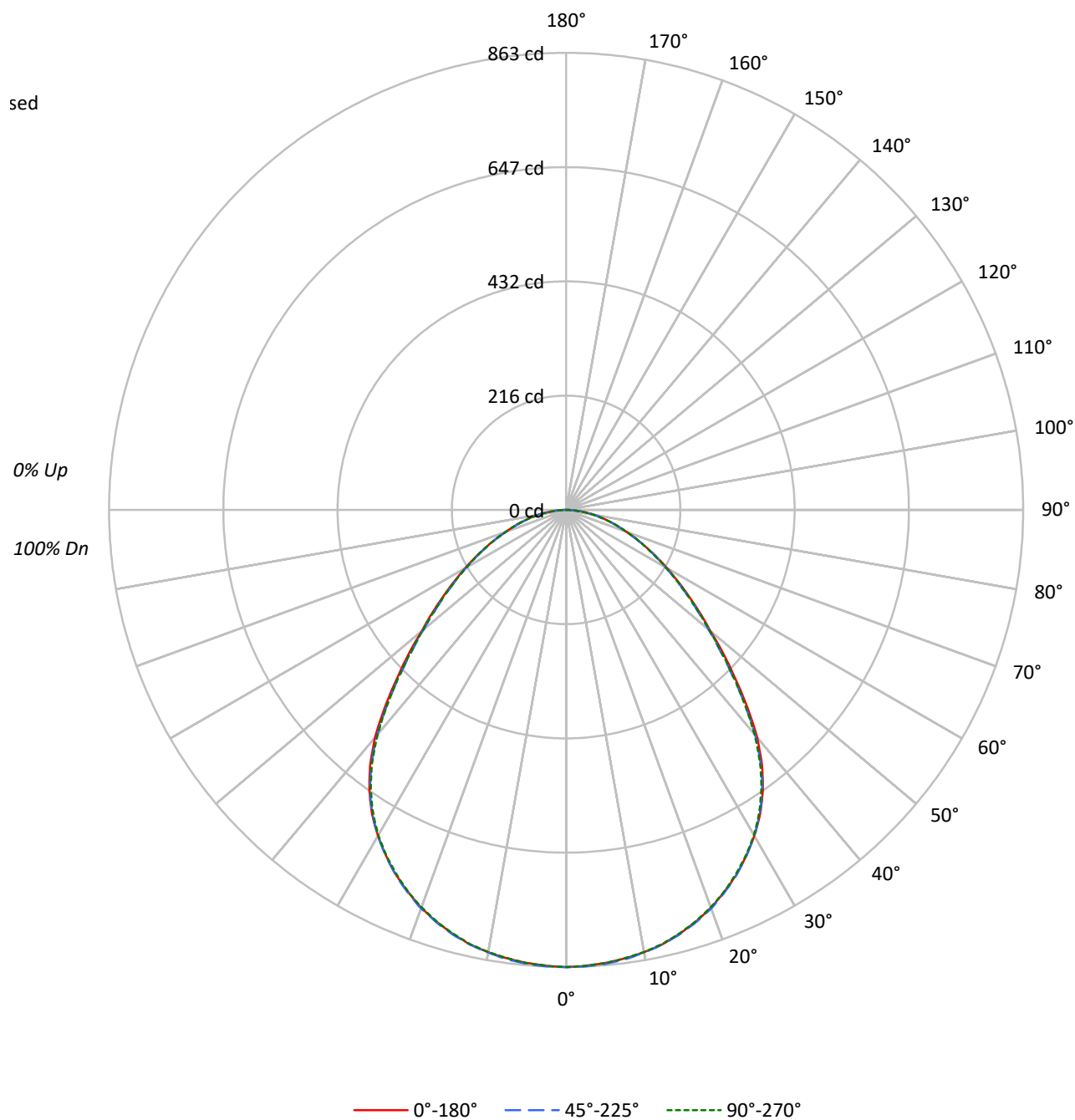
Lumens per Lamp: N/A
Luminaire Lumens: 1945.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 18.9
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		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°	2323	2323	2323
5°	2319	2324	2321
10°	2317	2319	2316
15°	2308	2311	2306
20°	2290	2294	2286
25°	2258	2260	2252
30°	2209	2209	2203
35°	2128	2122	2112
40°	1972	1950	1944
45°	1723	1695	1702
50°	1488	1470	1477
55°	1323	1302	1305
60°	1184	1167	1167
65°	1061	1053	1058
70°	954	945	954
75°	886	872	886
80°	826	817	789
85°	701	701	624

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1723 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	4.2
10°-20°	233.9	12.0
20°-30°	350.0	18.0
30°-40°	401.0	20.6
40°-50°	346.8	17.8
50°-60°	251.0	12.9
60°-70°	165.3	8.5
70°-80°	90.0	4.6
80°-90°	25.8	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°	665.6	34.2
0°-40°	1066.6	54.8
0°-60°	1664.3	85.6
0°-90°	1945.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1945.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	863	863	863	863	863	
5°	858	860	860	860	859	82
15°	828	829	830	831	828	234
25°	760	760	761	762	759	350
35°	648	647	646	645	643	402
45°	453	452	446	445	447	351
55°	282	281	278	276	278	254
65°	167	168	165	164	166	166
75°	85	85	84	84	85	91
85°	23	23	23	23	20	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.4	863.4	863.4	863.4	863.4
2.5°	861.5	863.4	862.8	863.4	861.5
5°	858.5	860.3	860.3	860.3	859.1
7.5°	854.2	855.4	856.0	856.6	853.6
10°	848.1	849.3	848.7	849.9	847.4
12.5°	840.1	840.1	840.7	841.9	839.5
15°	828.4	829.1	829.7	830.9	827.8
17.5°	815.0	815.6	816.2	816.8	814.4
20°	799.6	799.6	800.9	801.5	798.4
22.5°	780.6	780.6	781.9	783.7	780.0
25°	760.4	760.4	761.0	761.7	758.6
27.5°	736.5	736.5	737.1	739.0	735.3
30°	710.8	710.2	710.8	711.4	709.0
32.5°	682.0	681.4	680.8	681.4	678.3
35°	647.7	647.1	645.8	645.2	642.8
37.5°	607.9	606.6	604.2	604.2	601.7
40°	561.3	558.2	555.2	553.9	553.3
42.5°	507.4	504.9	500.6	500.0	500.0
45°	452.8	451.6	445.5	444.9	447.3
47.5°	403.8	400.7	395.2	394.0	397.7
50°	355.4	356.0	351.1	349.3	352.9
52.5°	317.4	316.2	311.9	310.7	313.7
55°	281.9	280.6	277.6	275.7	278.2
57.5°	249.4	248.8	245.7	245.1	246.3
60°	220.0	219.4	216.9	216.3	216.9
62.5°	192.4	192.4	190.0	188.7	190.6
65°	166.7	167.9	165.4	164.2	166.1
67.5°	143.4	144.6	142.2	140.9	143.4
70°	121.3	122.6	120.1	118.9	121.3
72.5°	102.3	102.9	101.1	100.5	103.6
75°	85.2	85.2	83.9	83.9	85.2
77.5°	69.2	68.6	68.0	68.0	66.8
80°	53.3	52.7	52.7	52.7	50.9
82.5°	38.0	36.8	37.4	38.0	34.9
85°	22.7	22.7	22.7	23.3	20.2
87.5°	9.2	9.2	8.6	9.2	8.0
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	12.2	13.7	12.6	14.0	14.3	12.1	13.6	12.5	13.9	14.2
	3H	13.6	15.0	14.0	15.3	15.7	13.5	14.9	13.9	15.2	15.6
	4H	14.2	15.4	14.6	15.8	16.2	14.1	15.4	14.5	15.7	16.1
	6H	14.6	15.8	15.0	16.1	16.5	14.5	15.7	14.9	16.0	16.4
	8H	14.8	15.9	15.2	16.3	16.7	14.6	15.8	15.1	16.1	16.5
	12H	14.8	15.9	15.3	16.3	16.7	14.7	15.8	15.1	16.2	16.6
4H	2H	12.7	13.9	13.1	14.3	14.7	12.6	13.9	13.0	14.2	14.6
	3H	14.3	15.4	14.7	15.8	16.2	14.2	15.3	14.7	15.7	16.1
	4H	15.0	16.0	15.4	16.4	16.8	14.9	15.9	15.4	16.3	16.7
	6H	15.6	16.4	16.0	16.8	17.3	15.5	16.3	15.9	16.7	17.2
	8H	15.8	16.5	16.2	17.0	17.5	15.7	16.4	16.1	16.9	17.3
	12H	15.9	16.6	16.4	17.1	17.5	15.8	16.5	16.3	16.9	17.4
8H	4H	15.3	16.0	15.7	16.5	16.9	15.2	16.0	15.6	16.4	16.9
	6H	15.9	16.6	16.4	17.1	17.5	15.9	16.5	16.4	17.0	17.5
	8H	16.2	16.8	16.7	17.3	17.8	16.1	16.7	16.6	17.2	17.7
	12H	16.4	16.9	16.9	17.4	18.0	16.3	16.8	16.8	17.3	17.9
12H	4H	15.3	16.0	15.8	16.4	16.9	15.2	15.9	15.7	16.4	16.8
	6H	16.0	16.6	16.5	17.0	17.6	15.9	16.5	16.4	17.0	17.5
	8H	16.3	16.8	16.8	17.3	17.9	16.2	16.7	16.7	17.2	17.8

(END OF REPORT)