

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: P1471688

Luminaire Tested: 22PTR-20S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471688
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-20S-PLG-L835-UNV-STD-W
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

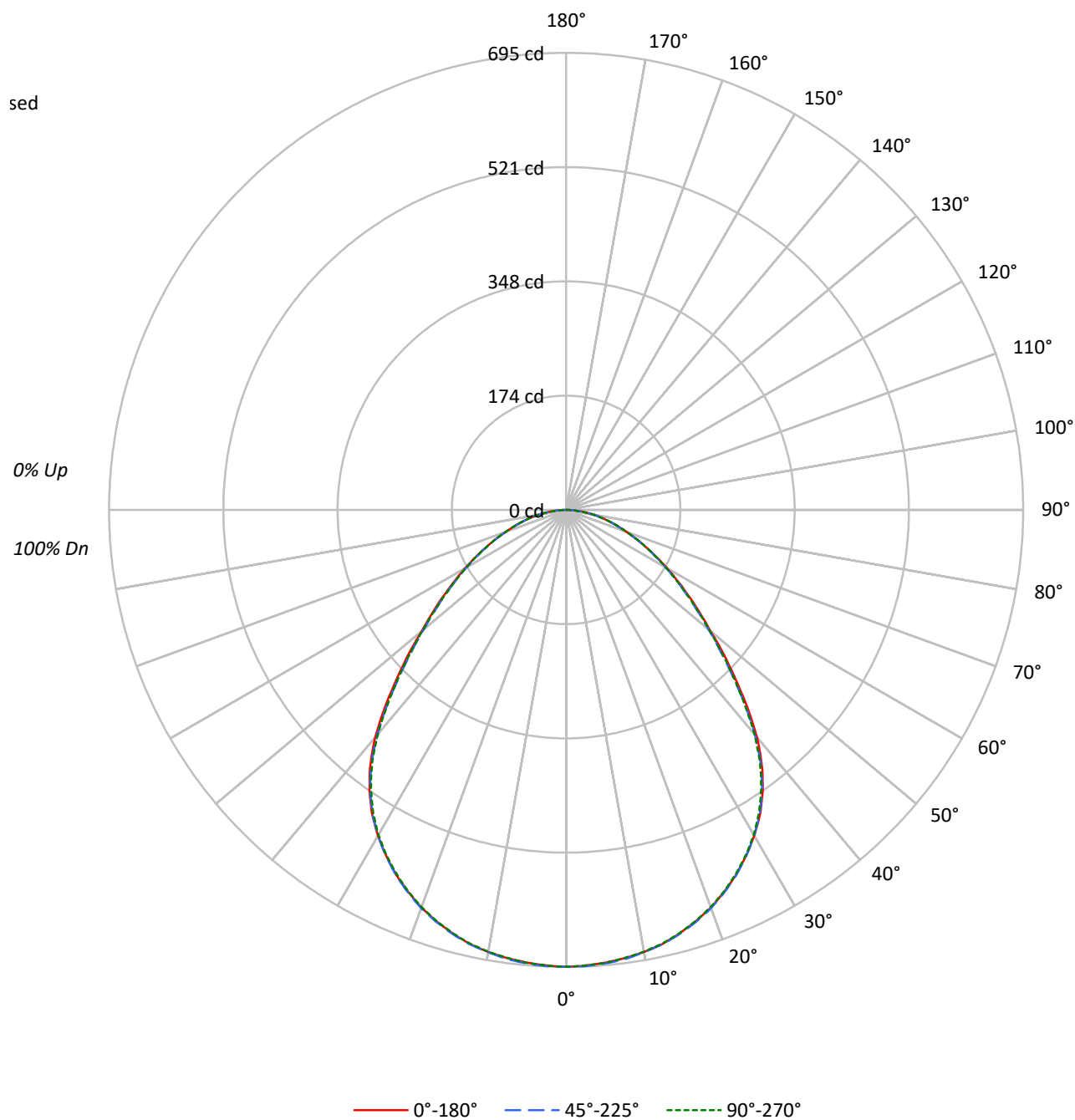
Lumens per Lamp: N/A
Luminaire Lumens: 1565.7 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 15.1
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°	1870	1870	1870
5°	1866	1870	1868
10°	1865	1866	1864
15°	1857	1860	1856
20°	1843	1846	1840
25°	1817	1819	1813
30°	1778	1778	1773
35°	1713	1708	1699
40°	1587	1570	1564
45°	1387	1364	1370
50°	1197	1183	1189
55°	1064	1048	1050
60°	953	940	940
65°	854	848	851
70°	768	761	768
75°	712	703	712
80°	665	657	634
85°	562	562	503

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1387 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.8	4.2
10°-20°	188.2	12.0
20°-30°	281.7	18.0
30°-40°	322.7	20.6
40°-50°	279.1	17.8
50°-60°	202.0	12.9
60°-70°	133.0	8.5
70°-80°	72.4	4.6
80°-90°	20.8	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°	535.7	34.2
0°-40°	858.4	54.8
0°-60°	1339.5	85.6
0°-90°	1565.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1565.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	695	695	695	695	695	
5°	691	692	692	692	691	66
15°	667	667	668	669	666	188
25°	612	612	612	613	610	281
35°	521	521	520	519	517	324
45°	364	364	358	358	360	282
55°	227	226	223	222	224	204
65°	134	135	133	132	134	134
75°	68	68	68	68	68	73
85°	18	18	18	19	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	694.9	694.9	694.9	694.9	694.9
2.5°	693.4	694.9	694.4	694.9	693.4
5°	690.9	692.4	692.4	692.4	691.4
7.5°	687.5	688.4	688.9	689.4	687.0
10°	682.5	683.5	683.0	684.0	682.0
12.5°	676.1	676.1	676.6	677.6	675.6
15°	666.7	667.2	667.7	668.7	666.2
17.5°	655.9	656.4	656.9	657.4	655.4
20°	643.6	643.6	644.5	645.0	642.6
22.5°	628.3	628.3	629.3	630.7	627.8
25°	612.0	612.0	612.5	613.0	610.5
27.5°	592.8	592.8	593.3	594.7	591.8
30°	572.1	571.6	572.1	572.5	570.6
32.5°	548.9	548.4	547.9	548.4	545.9
35°	521.3	520.8	519.8	519.3	517.3
37.5°	489.2	488.2	486.2	486.2	484.3
40°	451.7	449.3	446.8	445.8	445.3
42.5°	408.3	406.4	402.9	402.4	402.4
45°	364.4	363.5	358.5	358.0	360.0
47.5°	325.0	322.5	318.1	317.1	320.1
50°	286.0	286.5	282.6	281.1	284.1
52.5°	255.5	254.5	251.0	250.0	252.5
55°	226.8	225.9	223.4	221.9	223.9
57.5°	200.7	200.2	197.8	197.3	198.2
60°	177.0	176.5	174.6	174.1	174.6
62.5°	154.8	154.8	152.9	151.9	153.4
65°	134.1	135.1	133.2	132.2	133.6
67.5°	115.4	116.4	114.4	113.4	115.4
70°	97.6	98.6	96.7	95.7	97.6
72.5°	82.4	82.8	81.4	80.9	83.3
75°	68.5	68.5	67.6	67.6	68.5
77.5°	55.7	55.2	54.7	54.7	53.8
80°	42.9	42.4	42.4	42.4	40.9
82.5°	30.6	29.6	30.1	30.6	28.1
85°	18.2	18.2	18.2	18.7	16.3
87.5°	7.4	7.4	6.9	7.4	6.4
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	11.4	12.9	11.8	13.3	13.6	11.3	12.9	11.7	13.2	13.5
	3H	12.9	14.2	13.3	14.6	14.9	12.8	14.1	13.2	14.5	14.8
	4H	13.4	14.7	13.8	15.0	15.4	13.3	14.6	13.7	15.0	15.3
	6H	13.9	15.0	14.3	15.4	15.8	13.8	14.9	14.2	15.3	15.7
	8H	14.0	15.1	14.4	15.5	15.9	13.9	15.0	14.3	15.4	15.8
	12H	14.1	15.2	14.5	15.5	16.0	14.0	15.0	14.4	15.4	15.8
4H	2H	11.9	13.2	12.3	13.5	13.9	11.8	13.1	12.2	13.5	13.8
	3H	13.6	14.6	14.0	15.0	15.4	13.5	14.5	13.9	14.9	15.3
	4H	14.3	15.2	14.7	15.6	16.1	14.2	15.1	14.6	15.5	16.0
	6H	14.8	15.6	15.3	16.1	16.5	14.7	15.6	15.2	16.0	16.5
	8H	15.0	15.8	15.5	16.2	16.7	14.9	15.7	15.4	16.1	16.6
	12H	15.1	15.8	15.6	16.3	16.8	15.0	15.7	15.5	16.2	16.7
8H	4H	14.5	15.3	15.0	15.7	16.2	14.4	15.2	14.9	15.6	16.1
	6H	15.2	15.8	15.7	16.3	16.8	15.1	15.7	15.6	16.2	16.7
	8H	15.5	16.0	16.0	16.5	17.0	15.4	15.9	15.9	16.5	16.9
	12H	15.7	16.2	16.2	16.7	17.2	15.6	16.1	16.1	16.6	17.1
12H	4H	14.5	15.2	15.0	15.7	16.2	14.5	15.1	14.9	15.6	16.1
	6H	15.2	15.8	15.8	16.3	16.8	15.2	15.7	15.7	16.2	16.7
	8H	15.6	16.1	16.1	16.6	17.1	15.5	16.0	16.0	16.5	17.0

(END OF REPORT)