

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: P1471752

Luminaire Tested: 24PTR-20S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471752
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: 24PTR-20S-PLG-L835-UNV-STD-W
Description: 2000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

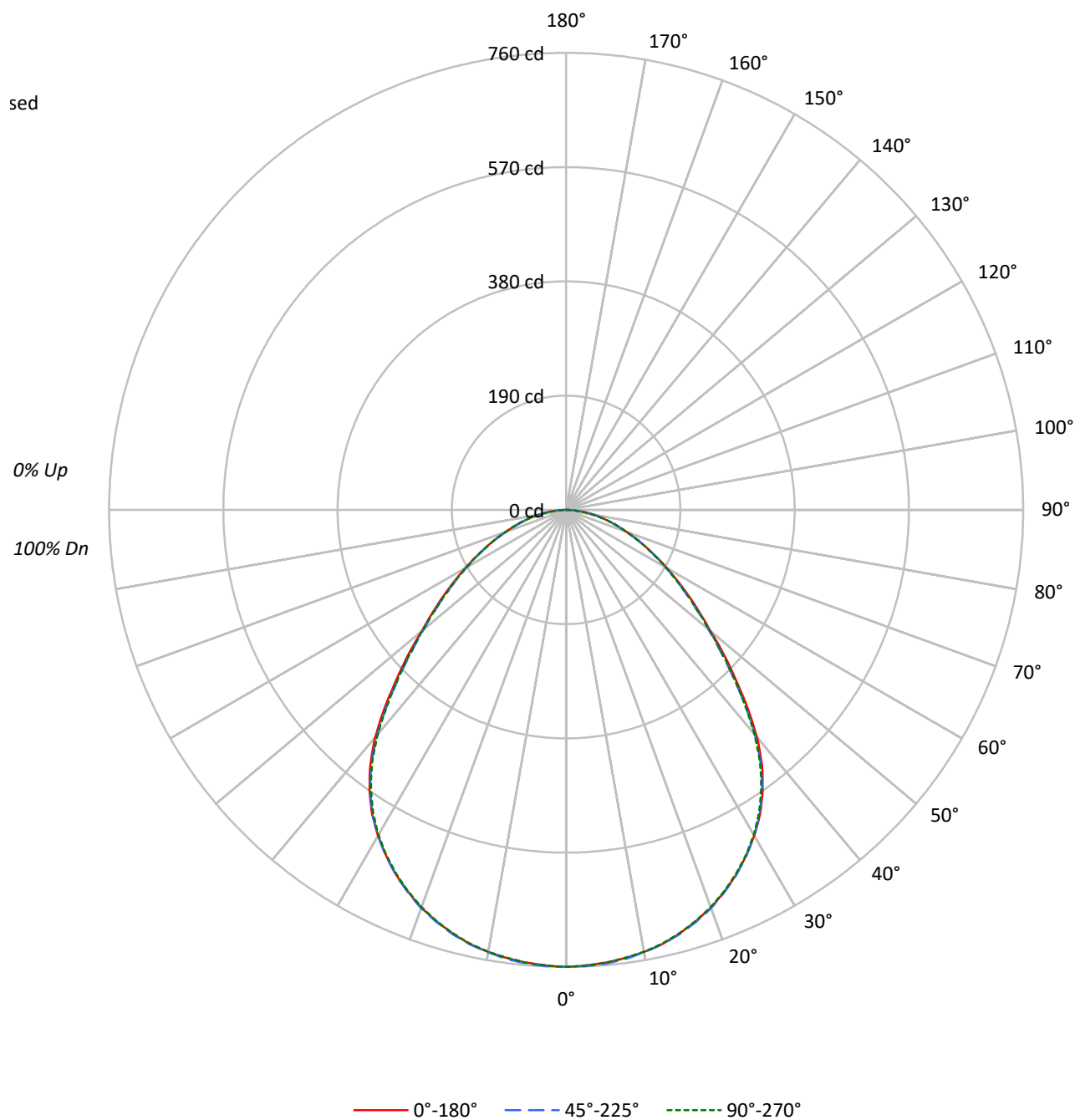
Lumens per Lamp: N/A
Luminaire Lumens: 1712.3 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.7
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		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°	1022	1022	1022
5°	1021	1023	1021
10°	1020	1020	1019
15°	1016	1017	1015
20°	1008	1009	1006
25°	994	994	991
30°	972	972	969
35°	936	934	929
40°	868	858	855
45°	758	746	749
50°	655	647	650
55°	582	573	574
60°	521	514	514
65°	467	464	465
70°	420	416	420
75°	390	384	390
80°	363	360	347
85°	309	309	275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 758 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.9	4.2
10°-20°	205.9	12.0
20°-30°	308.0	18.0
30°-40°	352.9	20.6
40°-50°	305.2	17.8
50°-60°	220.9	12.9
60°-70°	145.5	8.5
70°-80°	79.2	4.6
80°-90°	22.7	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°	585.8	34.2
0°-40°	938.7	54.8
0°-60°	1464.8	85.6
0°-90°	1712.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1712.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	760	760	760	760	760	
5°	756	757	757	757	756	72
15°	729	730	730	731	729	206
25°	669	669	670	670	668	308
35°	570	570	568	568	566	354
45°	398	398	392	392	394	309
55°	248	247	244	243	245	223
65°	147	148	146	144	146	146
75°	75	75	74	74	75	80
85°	20	20	20	20	18	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.9	759.9	759.9	759.9	759.9
2.5°	758.3	759.9	759.3	759.9	758.3
5°	755.6	757.2	757.2	757.2	756.1
7.5°	751.8	752.9	753.4	753.9	751.2
10°	746.4	747.5	746.9	748.0	745.9
12.5°	739.4	739.4	739.9	741.0	738.8
15°	729.1	729.7	730.2	731.3	728.6
17.5°	717.3	717.8	718.3	718.9	716.7
20°	703.8	703.8	704.9	705.4	702.7
22.5°	687.1	687.1	688.1	689.8	686.5
25°	669.3	669.3	669.8	670.4	667.7
27.5°	648.2	648.2	648.8	650.4	647.2
30°	625.6	625.1	625.6	626.1	624.0
32.5°	600.2	599.7	599.2	599.7	597.0
35°	570.0	569.5	568.4	567.9	565.7
37.5°	535.0	533.9	531.8	531.8	529.6
40°	494.0	491.3	488.6	487.5	487.0
42.5°	446.5	444.4	440.6	440.1	440.1
45°	398.5	397.5	392.1	391.5	393.7
47.5°	355.4	352.7	347.8	346.8	350.0
50°	312.8	313.3	309.0	307.4	310.6
52.5°	279.4	278.3	274.5	273.4	276.1
55°	248.1	247.0	244.3	242.7	244.8
57.5°	219.5	219.0	216.3	215.7	216.8
60°	193.6	193.1	190.9	190.4	190.9
62.5°	169.3	169.3	167.2	166.1	167.7
65°	146.7	147.8	145.6	144.5	146.2
67.5°	126.2	127.3	125.1	124.0	126.2
70°	106.8	107.9	105.7	104.6	106.8
72.5°	90.1	90.6	89.0	88.4	91.1
75°	75.0	75.0	73.9	73.9	75.0
77.5°	60.9	60.4	59.9	59.9	58.8
80°	46.9	46.4	46.4	46.4	44.8
82.5°	33.4	32.4	32.9	33.4	30.7
85°	20.0	20.0	20.0	20.5	17.8
87.5°	8.1	8.1	7.6	8.1	7.0
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	9.3	10.9	9.7	11.2	11.5	9.2	10.8	9.6	11.1	11.4
	3H	10.8	12.1	11.2	12.5	12.8	10.7	12.0	11.1	12.4	12.7
	4H	11.3	12.6	11.7	12.9	13.3	11.2	12.5	11.6	12.9	13.2
	6H	11.8	12.9	12.2	13.3	13.7	11.7	12.8	12.1	13.2	13.6
	8H	11.9	13.0	12.3	13.4	13.8	11.8	12.9	12.2	13.3	13.7
	12H	12.0	13.1	12.4	13.4	13.9	11.9	12.9	12.3	13.3	13.7
4H	2H	9.8	11.1	10.2	11.4	11.8	9.7	11.0	10.1	11.4	11.7
	3H	11.5	12.5	11.9	12.9	13.3	11.4	12.4	11.8	12.8	13.2
	4H	12.2	13.1	12.6	13.5	14.0	12.1	13.0	12.5	13.4	13.9
	6H	12.7	13.6	13.2	14.0	14.5	12.6	13.5	13.1	13.9	14.4
	8H	12.9	13.7	13.4	14.1	14.6	12.8	13.6	13.3	14.0	14.5
	12H	13.1	13.7	13.5	14.2	14.7	12.9	13.6	13.4	14.1	14.6
8H	4H	12.4	13.2	12.9	13.6	14.1	12.3	13.1	12.8	13.5	14.0
	6H	13.1	13.7	13.6	14.2	14.7	13.0	13.6	13.5	14.1	14.6
	8H	13.4	13.9	13.9	14.4	14.9	13.3	13.8	13.8	14.4	14.8
	12H	13.6	14.1	14.1	14.6	15.1	13.5	14.0	14.0	14.5	15.0
12H	4H	12.4	13.1	12.9	13.6	14.1	12.4	13.0	12.8	13.5	14.0
	6H	13.1	13.7	13.7	14.2	14.7	13.1	13.6	13.6	14.1	14.6
	8H	13.5	14.0	14.0	14.5	15.0	13.4	13.9	13.9	14.4	14.9

(END OF REPORT)