

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: P1471691

Luminaire Tested: 22PTR-20S-PR1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471691
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20S-PR1-L835-UNV-STD-B
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

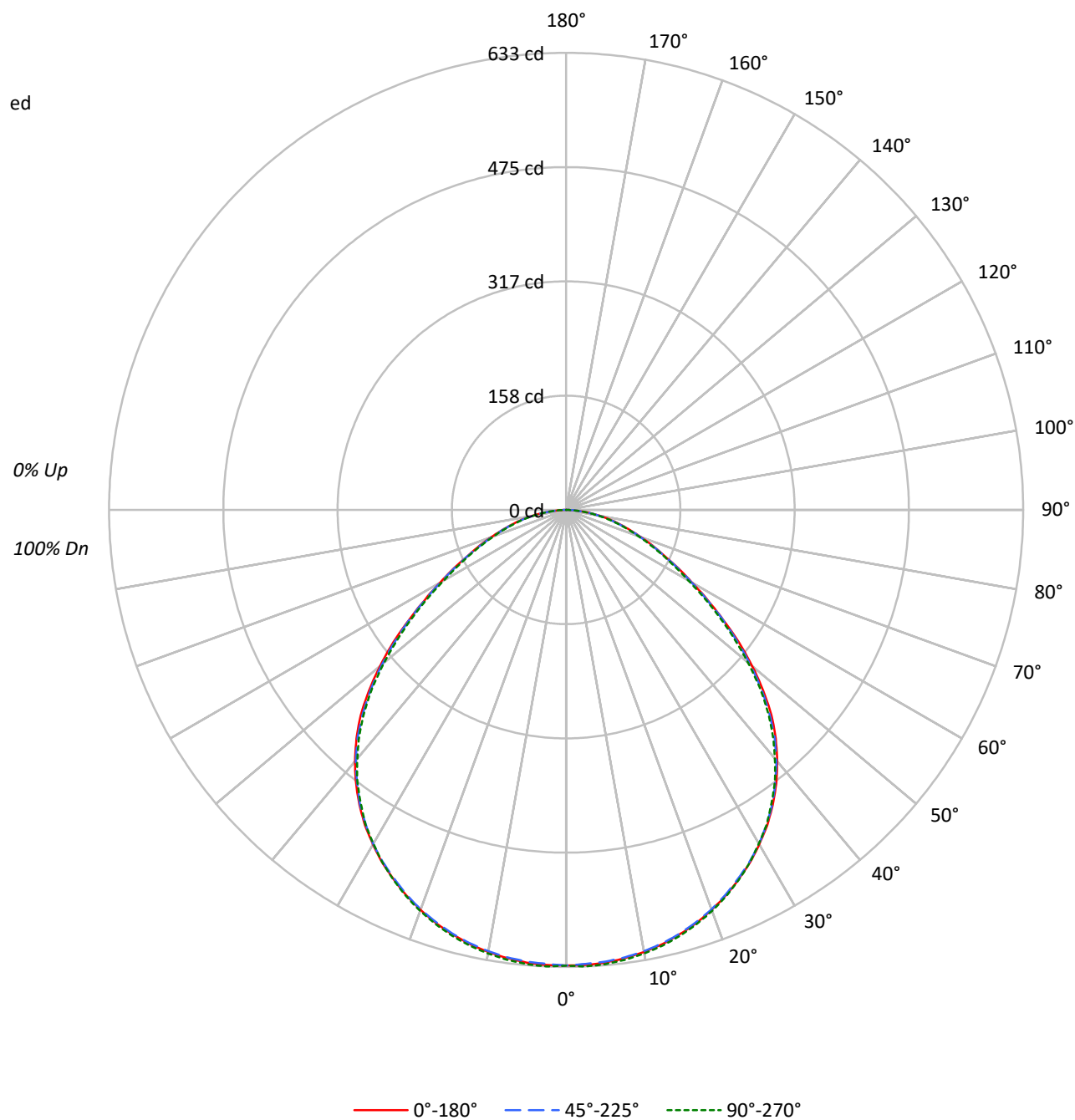
Lumens per Lamp: N/A
Luminaire Lumens: 1596.1 lumens
Efficiency: N/A
Efficacy: 105.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	105	101	98	107	103	99	96		99	96	93		95	92	90		91	89	88
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	90	80	73	68		78	71	66		75	70	65		72	68	64
4	85	73	65	58	82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51	76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45	70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	45	40	65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35	61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32	57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29	54	41	34	29		40	34	29		39	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1698	1698	1698
5°	1700	1696	1706
10°	1699	1696	1705
15°	1695	1693	1701
20°	1688	1686	1693
25°	1677	1673	1679
30°	1662	1660	1658
35°	1639	1636	1629
40°	1598	1592	1580
45°	1531	1514	1503
50°	1409	1393	1376
55°	1247	1241	1217
60°	1084	1080	1051
65°	955	949	930
70°	866	854	837
75°	803	784	769
80°	733	722	697
85°	577	574	550

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1531 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.9	3.8
10°-20°	171.8	10.8
20°-30°	260.3	16.3
30°-40°	310.8	19.5
40°-50°	305.6	19.1
50°-60°	236.2	14.8
60°-70°	148.9	9.3
70°-80°	80.6	5.0
80°-90°	22.0	1.4
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°	492.0	30.8
0°-40°	802.8	50.3
0°-60°	1344.6	84.2
0°-90°	1596.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1596.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	631	631	631	631	631	
5°	629	630	628	631	631	60
15°	608	609	608	610	610	172
25°	565	565	564	565	566	260
35°	499	499	498	497	496	312
45°	402	401	398	395	395	308
55°	266	268	265	260	260	239
65°	150	150	149	146	146	151
75°	77	76	75	76	74	82
85°	19	19	19	19	18	22
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	631.1	631.1	631.1	631.1	631.1
2.5°	630.9	631.1	629.3	632.3	632.9
5°	629.3	629.6	627.9	630.6	631.4
7.5°	626.1	626.6	625.0	627.8	628.4
10°	621.6	622.1	620.5	623.2	623.9
12.5°	616.0	616.2	614.9	617.3	618.0
15°	608.5	608.7	607.6	609.6	610.5
17.5°	599.9	600.1	598.6	601.0	601.5
20°	589.5	589.7	588.8	590.9	591.1
22.5°	578.0	578.4	577.0	578.9	579.1
25°	564.9	565.3	563.5	565.3	565.5
27.5°	551.1	551.2	549.7	551.1	550.8
30°	535.0	536.4	534.3	533.8	533.7
32.5°	518.3	518.4	516.5	516.0	516.9
35°	499.0	499.2	497.9	497.2	495.8
37.5°	478.0	478.0	475.5	475.1	474.8
40°	454.9	454.7	453.1	451.5	449.9
42.5°	429.8	430.3	427.1	424.3	423.9
45°	402.4	400.8	397.9	394.8	395.0
47.5°	370.1	370.5	366.5	363.9	363.3
50°	336.6	336.6	332.8	330.1	328.7
52.5°	301.6	301.8	298.2	294.6	293.8
55°	265.8	268.0	264.6	260.4	259.5
57.5°	232.3	234.2	231.0	226.4	226.2
60°	201.4	201.5	200.6	196.3	195.2
62.5°	174.9	173.7	173.3	171.0	169.6
65°	150.0	150.2	149.1	146.5	146.1
67.5°	129.9	129.6	127.6	126.0	125.1
70°	110.1	109.5	108.6	107.3	106.4
72.5°	92.5	92.5	91.8	91.4	89.8
75°	77.2	76.3	75.4	75.8	74.0
77.5°	62.5	61.6	60.8	59.9	59.5
80°	47.3	46.4	46.6	45.2	45.0
82.5°	32.8	32.8	32.4	31.2	31.5
85°	18.7	19.0	18.6	18.7	17.8
87.5°	6.8	7.0	7.5	7.0	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	12.4	13.9	12.7	14.2	14.6	12.1	13.7	12.5	14.0	14.3
	3H	13.7	15.1	14.1	15.4	15.8	13.5	14.9	13.9	15.2	15.6
	4H	14.2	15.6	14.6	15.9	16.3	14.0	15.3	14.4	15.7	16.1
	6H	14.6	15.9	15.1	16.2	16.6	14.4	15.6	14.8	16.0	16.4
	8H	14.8	15.9	15.2	16.3	16.7	14.5	15.7	15.0	16.1	16.5
	12H	14.9	16.0	15.3	16.3	16.8	14.6	15.7	15.0	16.1	16.5
4H	2H	12.8	14.1	13.2	14.5	14.9	12.6	13.9	13.0	14.3	14.7
	3H	14.4	15.5	14.8	15.9	16.3	14.2	15.3	14.6	15.7	16.1
	4H	15.0	16.0	15.5	16.4	16.9	14.9	15.9	15.3	16.3	16.7
	6H	15.6	16.4	16.0	16.9	17.3	15.4	16.3	15.9	16.7	17.2
	8H	15.8	16.6	16.2	17.0	17.5	15.6	16.4	16.0	16.8	17.3
	12H	15.9	16.6	16.4	17.1	17.5	15.7	16.4	16.2	16.9	17.3
8H	4H	15.3	16.1	15.7	16.5	17.0	15.1	15.9	15.6	16.4	16.8
	6H	15.9	16.6	16.4	17.1	17.6	15.8	16.4	16.3	16.9	17.4
	8H	16.2	16.8	16.7	17.3	17.8	16.0	16.6	16.5	17.1	17.6
	12H	16.4	16.9	16.9	17.4	18.0	16.2	16.7	16.7	17.2	17.8
12H	4H	15.3	16.0	15.8	16.5	17.0	15.1	15.9	15.6	16.3	16.8
	6H	16.0	16.6	16.5	17.1	17.6	15.8	16.4	16.3	16.9	17.4
	8H	16.3	16.8	16.8	17.3	17.9	16.1	16.6	16.6	17.1	17.7

(END OF REPORT)