

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: P1471693

Luminaire Tested: 22PTR-20S-PW1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471693
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737743)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22PTR-20S-PW1-L835-UNV-STD-B
Description: 2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PW1 Lens Black Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

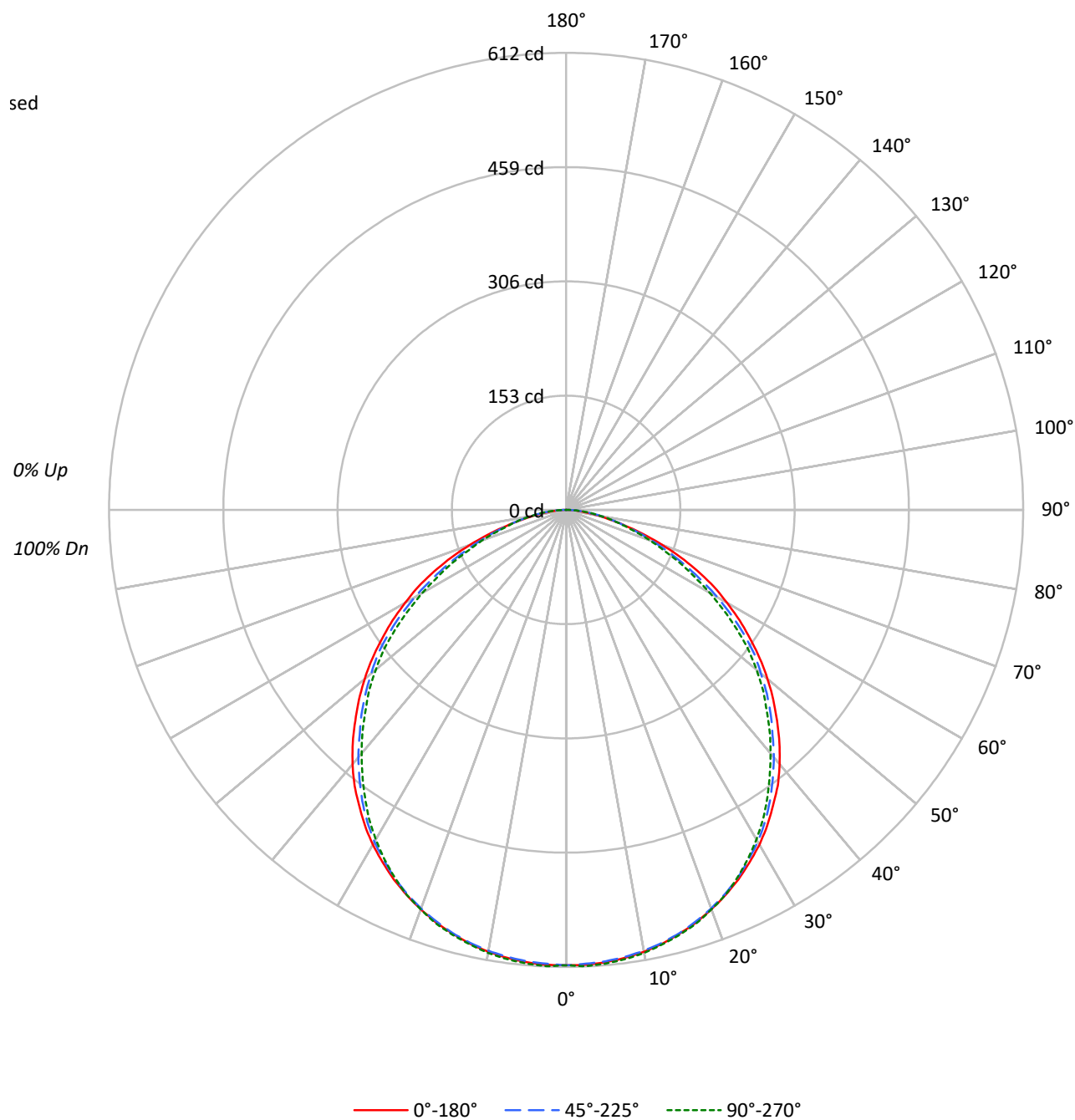
Lumens per Lamp: N/A
Luminaire Lumens: 1618.3 lumens
Efficiency: N/A
Efficacy: 107.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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			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	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	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	57		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	62	48	40	34	60	47	40	34		46	39	34			45	38	34			44
9	58	44	36	31	56	44	36	31		43	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1641	1641	1641
5°	1642	1639	1647
10°	1642	1638	1646
15°	1637	1634	1640
20°	1630	1626	1630
25°	1621	1614	1613
30°	1609	1595	1583
35°	1587	1563	1543
40°	1563	1520	1496
45°	1520	1475	1445
50°	1474	1425	1392
55°	1412	1364	1310
60°	1339	1260	1194
65°	1238	1125	1069
70°	1074	980	943
75°	857	838	815
80°	651	728	728
85°	482	621	621

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	3.6
10°-20°	165.9	10.2
20°-30°	250.7	15.5
30°-40°	297.7	18.4
40°-50°	299.9	18.5
50°-60°	259.2	16.0
60°-70°	177.2	10.9
70°-80°	87.4	5.4
80°-90°	22.6	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°	474.4	29.3
0°-40°	772.1	47.7
0°-60°	1331.2	82.3
0°-90°	1618.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1618.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	610	610	610	610	610	
5°	608	608	607	609	610	58
15°	588	588	587	589	589	166
25°	546	545	544	544	543	251
35°	483	482	476	472	470	302
45°	399	395	388	383	380	308
55°	301	300	291	282	279	269
65°	194	188	177	169	168	192
75°	82	82	81	81	78	90
85°	16	18	20	20	20	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	609.8	609.8	609.8	609.8	609.8
2.5°	609.6	609.8	608.3	611.0	611.6
5°	608.0	608.3	606.7	609.2	609.8
7.5°	605.1	605.5	603.7	606.2	606.7
10°	600.8	601.0	599.5	601.9	602.4
12.5°	595.0	595.1	593.8	596.0	596.0
15°	587.5	588.1	586.6	588.6	588.8
17.5°	579.1	579.3	577.8	580.0	580.5
20°	569.2	569.2	567.9	569.7	569.2
22.5°	558.1	558.1	556.5	557.4	557.8
25°	545.9	545.4	543.6	544.1	543.2
27.5°	531.9	531.9	528.7	528.7	527.1
30°	517.7	516.5	513.2	511.1	509.6
32.5°	501.3	499.8	495.5	491.9	490.8
35°	483.1	481.5	475.8	471.5	469.7
37.5°	465.5	461.9	454.4	450.1	448.1
40°	444.9	440.3	432.7	426.8	425.9
42.5°	422.8	419.2	409.2	404.9	403.8
45°	399.3	394.9	387.5	382.9	379.6
47.5°	376.2	373.0	364.5	359.1	357.9
50°	352.0	349.3	340.5	334.7	332.6
52.5°	327.0	325.1	317.7	310.2	307.7
55°	301.0	300.1	290.8	282.2	279.2
57.5°	275.5	274.3	262.7	252.8	250.1
60°	248.8	245.4	234.1	224.8	221.9
62.5°	223.5	216.3	204.0	196.8	193.4
65°	194.5	187.5	176.7	169.0	167.9
67.5°	166.1	157.7	149.4	144.6	141.0
70°	136.5	130.8	124.5	120.5	119.8
72.5°	108.9	104.9	101.6	99.2	97.1
75°	82.4	81.8	80.6	80.6	78.4
77.5°	60.6	62.2	63.1	62.8	63.3
80°	42.0	45.2	47.0	47.2	47.0
82.5°	26.7	30.3	33.3	33.7	34.2
85°	15.6	18.3	20.1	20.5	20.1
87.5°	7.0	8.8	9.3	9.7	9.3
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	13.4	15.0	13.8	15.3	15.6	12.8	14.4	13.2	14.7	15.0
	3H	14.9	16.3	15.2	16.6	17.0	14.2	15.6	14.6	16.0	16.3
	4H	15.3	16.7	15.7	17.0	17.4	14.7	16.0	15.1	16.4	16.8
	6H	15.6	16.8	16.0	17.2	17.6	15.0	16.3	15.4	16.7	17.0
	8H	15.6	16.8	16.1	17.2	17.6	15.2	16.3	15.6	16.7	17.1
	12H	15.7	16.8	16.1	17.2	17.6	15.2	16.4	15.7	16.8	17.2
4H	2H	13.9	15.2	14.3	15.6	15.9	13.4	14.7	13.8	15.1	15.5
	3H	15.5	16.6	15.9	17.0	17.4	15.0	16.1	15.4	16.5	16.9
	4H	16.1	17.1	16.5	17.5	17.9	15.6	16.6	16.0	17.0	17.4
	6H	16.4	17.3	16.9	17.8	18.2	16.0	16.9	16.5	17.3	17.8
	8H	16.5	17.3	17.0	17.8	18.3	16.2	17.0	16.6	17.5	17.9
	12H	16.6	17.3	17.1	17.8	18.3	16.3	17.0	16.8	17.5	18.0
8H	4H	16.3	17.1	16.7	17.5	18.0	15.8	16.6	16.3	17.1	17.5
	6H	16.7	17.4	17.2	17.9	18.4	16.4	17.0	16.9	17.5	18.0
	8H	16.9	17.5	17.4	18.0	18.5	16.6	17.2	17.1	17.7	18.2
	12H	17.0	17.5	17.5	18.0	18.6	16.8	17.3	17.3	17.8	18.4
12H	4H	16.3	17.0	16.7	17.5	18.0	15.8	16.5	16.3	17.0	17.5
	6H	16.7	17.4	17.3	17.8	18.4	16.4	17.0	16.9	17.5	18.0
	8H	16.9	17.5	17.4	18.0	18.5	16.7	17.2	17.2	17.7	18.3

(END OF REPORT)