

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: P1471640

Luminaire Tested: 14PTR-20S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471640
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: 14PTR-20S-PLG-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

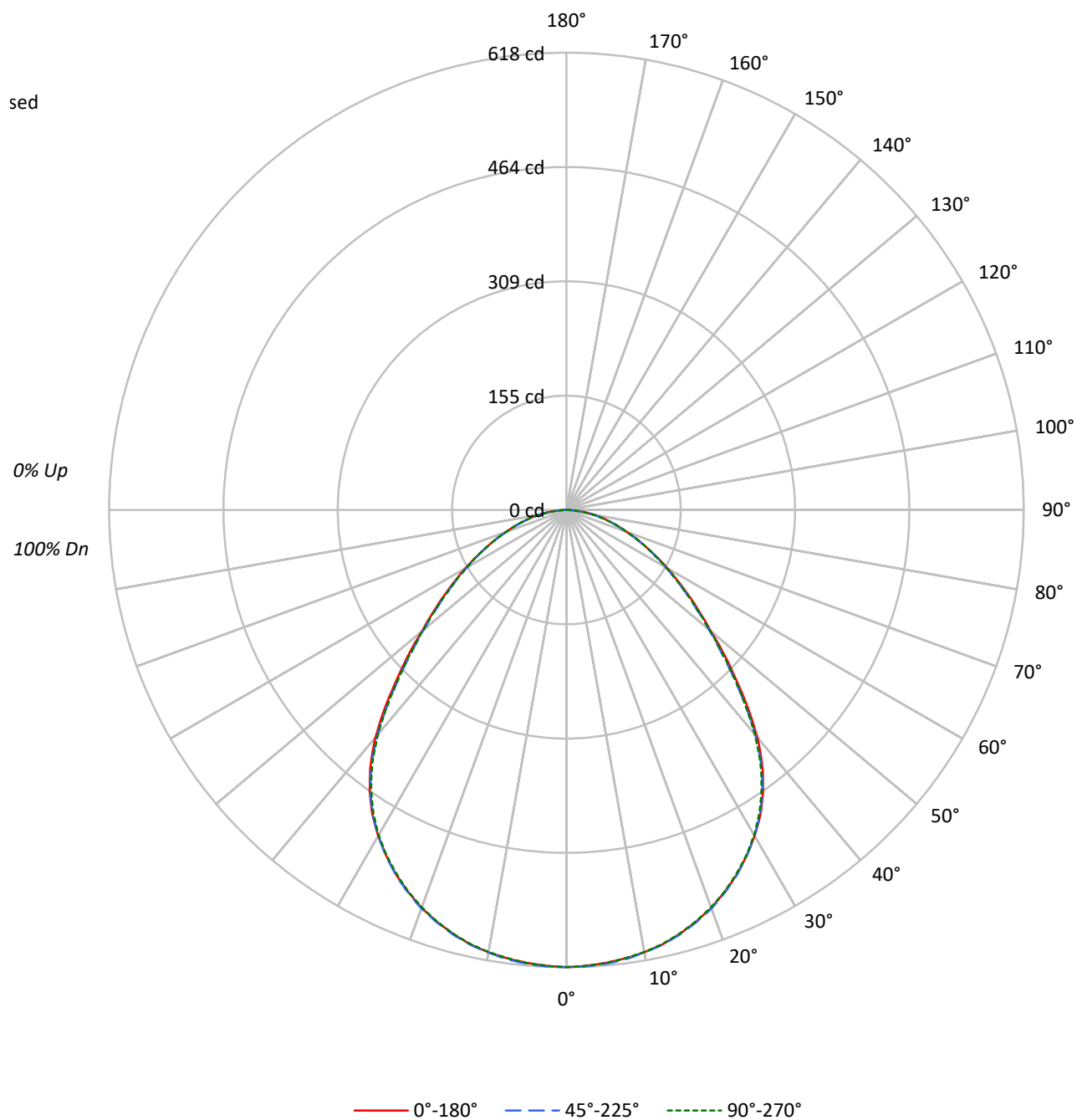
Lumens per Lamp: N/A
Luminaire Lumens: 1392.3 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 16.4
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°	1663	1663	1663
5°	1660	1663	1661
10°	1658	1660	1657
15°	1652	1654	1651
20°	1639	1641	1636
25°	1616	1617	1612
30°	1581	1581	1577
35°	1523	1518	1511
40°	1411	1396	1391
45°	1233	1213	1218
50°	1065	1052	1057
55°	946	932	934
60°	847	835	835
65°	760	754	756
70°	683	677	683
75°	634	625	634
80°	592	584	564
85°	500	500	448

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1233 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	4.2
10°-20°	167.4	12.0
20°-30°	250.5	18.0
30°-40°	287.0	20.6
40°-50°	248.2	17.8
50°-60°	179.6	12.9
60°-70°	118.3	8.5
70°-80°	64.4	4.6
80°-90°	18.5	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°	476.4	34.2
0°-40°	763.3	54.8
0°-60°	1191.2	85.6
0°-90°	1392.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1392.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	618	618	618	618	618	
5°	614	616	616	616	615	58
15°	593	593	594	595	592	167
25°	544	544	545	545	543	250
35°	464	463	462	462	460	288
45°	324	323	319	318	320	251
55°	202	201	199	197	199	182
65°	119	120	118	118	119	119
75°	61	61	60	60	61	65
85°	16	16	16	17	14	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	617.9	617.9	617.9	617.9	617.9
2.5°	616.6	617.9	617.5	617.9	616.6
5°	614.4	615.7	615.7	615.7	614.8
7.5°	611.3	612.2	612.6	613.1	610.9
10°	606.9	607.8	607.4	608.3	606.5
12.5°	601.2	601.2	601.7	602.6	600.8
15°	592.9	593.4	593.8	594.7	592.5
17.5°	583.3	583.7	584.1	584.6	582.8
20°	572.3	572.3	573.2	573.6	571.4
22.5°	558.7	558.7	559.6	560.9	558.3
25°	544.2	544.2	544.7	545.1	542.9
27.5°	527.1	527.1	527.6	528.9	526.3
30°	508.7	508.3	508.7	509.2	507.4
32.5°	488.1	487.7	487.2	487.7	485.5
35°	463.5	463.1	462.2	461.8	460.0
37.5°	435.0	434.2	432.4	432.4	430.7
40°	401.7	399.5	397.3	396.4	396.0
42.5°	363.1	361.4	358.3	357.9	357.9
45°	324.1	323.2	318.8	318.4	320.1
47.5°	289.0	286.8	282.9	282.0	284.6
50°	254.4	254.8	251.3	250.0	252.6
52.5°	227.2	226.3	223.2	222.3	224.5
55°	201.7	200.9	198.7	197.3	199.1
57.5°	178.5	178.0	175.9	175.4	176.3
60°	157.4	157.0	155.2	154.8	155.2
62.5°	137.7	137.7	135.9	135.1	136.4
65°	119.3	120.2	118.4	117.5	118.8
67.5°	102.6	103.5	101.7	100.9	102.6
70°	86.8	87.7	86.0	85.1	86.8
72.5°	73.2	73.7	72.4	71.9	74.1
75°	61.0	61.0	60.1	60.1	61.0
77.5°	49.6	49.1	48.7	48.7	47.8
80°	38.2	37.7	37.7	37.7	36.4
82.5°	27.2	26.3	26.8	27.2	25.0
85°	16.2	16.2	16.2	16.7	14.5
87.5°	6.6	6.6	6.1	6.6	5.7
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	11.0	12.5	11.4	12.9	13.2	10.9	12.4	11.3	12.8	13.1
	3H	12.5	13.8	12.8	14.1	14.5	12.4	13.7	12.7	14.1	14.4
	4H	13.0	14.3	13.4	14.6	15.0	12.9	14.2	13.3	14.5	14.9
	6H	13.4	14.6	13.9	15.0	15.4	13.3	14.5	13.8	14.9	15.3
	8H	13.6	14.7	14.0	15.1	15.5	13.5	14.6	13.9	15.0	15.4
	12H	13.7	14.8	14.1	15.1	15.6	13.6	14.6	14.0	15.0	15.4
4H	2H	11.5	12.8	11.9	13.1	13.5	11.4	12.7	11.8	13.0	13.4
	3H	13.2	14.2	13.6	14.6	15.0	13.1	14.1	13.5	14.5	14.9
	4H	13.8	14.8	14.3	15.2	15.7	13.8	14.7	14.2	15.1	15.6
	6H	14.4	15.2	14.9	15.7	16.1	14.3	15.1	14.8	15.6	16.0
	8H	14.6	15.4	15.1	15.8	16.3	14.5	15.3	15.0	15.7	16.2
	12H	14.7	15.4	15.2	15.9	16.4	14.6	15.3	15.1	15.8	16.3
8H	4H	14.1	14.9	14.6	15.3	15.8	14.0	14.8	14.5	15.2	15.7
	6H	14.8	15.4	15.3	15.9	16.4	14.7	15.3	15.2	15.8	16.3
	8H	15.0	15.6	15.6	16.1	16.6	15.0	15.5	15.5	16.0	16.5
	12H	15.3	15.8	15.8	16.3	16.8	15.2	15.7	15.7	16.2	16.7
12H	4H	14.1	14.8	14.6	15.3	15.8	14.0	14.7	14.5	15.2	15.7
	6H	14.8	15.4	15.4	15.9	16.4	14.8	15.3	15.3	15.8	16.3
	8H	15.1	15.7	15.7	16.1	16.7	15.1	15.6	15.6	16.1	16.6

(END OF REPORT)