

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: P1471638

Luminaire Tested: 14PTR-20S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-20S-PL1-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

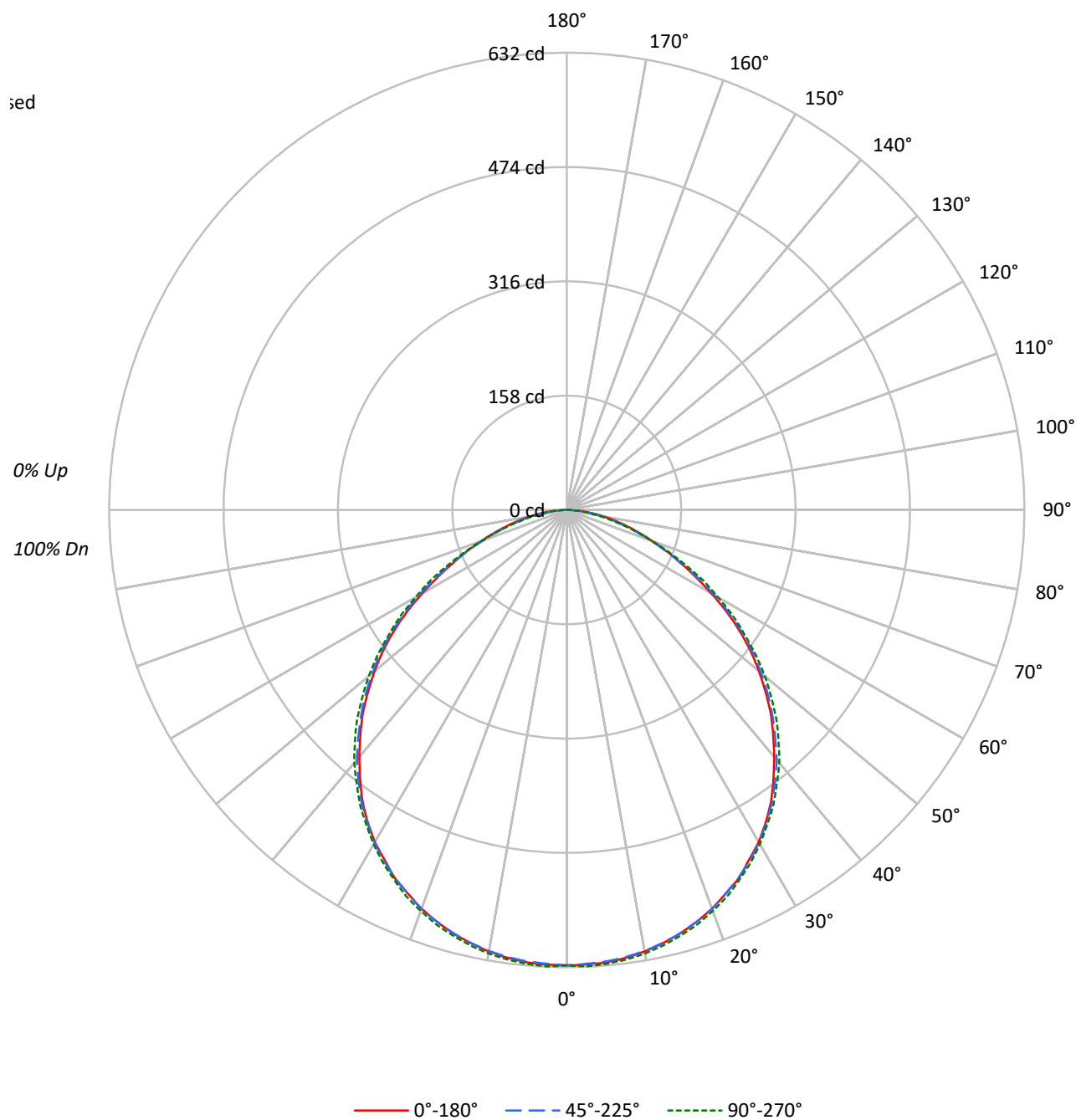
Lumens per Lamp: N/A
Luminaire Lumens: 1659.1 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	109	105	101	97	107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80	97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67	89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57	82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49	75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43	69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38	65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31	56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28	53	41	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1694	1694	1694
5°	1695	1692	1701
10°	1693	1691	1701
15°	1688	1687	1696
20°	1680	1680	1689
25°	1668	1666	1675
30°	1647	1649	1657
35°	1616	1622	1635
40°	1565	1584	1604
45°	1517	1529	1558
50°	1450	1465	1495
55°	1366	1387	1404
60°	1238	1265	1297
65°	1100	1112	1157
70°	983	963	987
75°	887	836	819
80°	806	748	665
85°	682	621	534

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1558 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.7	3.6
10°-20°	171.2	10.3
20°-30°	259.0	15.6
30°-40°	308.7	18.6
40°-50°	310.5	18.7
50°-60°	263.5	15.9
60°-70°	175.4	10.6
70°-80°	87.6	5.3
80°-90°	23.4	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°	490.0	29.5
0°-40°	798.7	48.1
0°-60°	1372.6	82.7
0°-90°	1659.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1659.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	629	629	629	629	629	
5°	628	628	626	629	630	60
15°	606	606	606	608	609	171
25°	562	562	561	564	564	258
35°	492	492	494	497	498	307
45°	398	399	402	407	410	307
55°	291	293	296	298	299	259
65°	173	174	175	177	182	173
75°	85	84	80	78	79	92
85°	22	22	20	19	17	26
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	629.4	629.4	629.4	629.4	629.4
2.5°	628.9	629.4	627.7	630.8	631.5
5°	627.6	627.7	626.4	629.2	629.8
7.5°	624.5	624.8	623.3	626.4	626.8
10°	619.6	620.1	618.9	621.7	622.4
12.5°	613.3	614.0	612.8	615.9	616.4
15°	605.9	606.5	605.6	608.1	608.7
17.5°	596.7	597.2	596.7	599.1	600.4
20°	586.5	586.5	586.5	588.6	589.8
22.5°	573.7	574.8	574.3	577.1	578.3
25°	561.8	561.8	561.0	563.7	564.1
27.5°	545.2	547.1	546.9	549.2	549.7
30°	530.0	530.5	530.8	532.4	533.3
32.5°	511.6	512.1	512.8	515.1	515.4
35°	491.8	492.3	493.7	497.1	497.7
37.5°	468.8	471.3	472.5	476.2	476.6
40°	445.6	447.2	450.8	454.7	456.6
42.5°	422.1	423.9	426.0	431.4	433.1
45°	398.5	399.2	401.8	407.2	409.5
47.5°	372.4	374.5	376.8	381.5	382.9
50°	346.3	348.6	350.0	354.2	357.0
52.5°	320.0	322.1	323.7	326.2	329.0
55°	291.1	293.1	295.7	298.5	299.2
57.5°	261.7	264.0	265.6	268.6	271.7
60°	230.1	232.8	235.1	237.9	240.9
62.5°	200.8	201.9	204.3	209.0	213.4
65°	172.8	174.2	174.6	177.3	181.7
67.5°	149.5	149.5	147.4	148.3	153.2
70°	125.0	124.1	122.4	121.5	125.5
72.5°	105.2	104.0	100.5	98.9	101.0
75°	85.3	84.1	80.4	78.5	78.8
77.5°	68.6	66.7	63.6	60.4	59.7
80°	52.0	51.3	48.3	45.2	42.9
82.5°	36.9	35.2	33.6	31.7	29.8
85°	22.1	21.7	20.1	18.9	17.3
87.5°	9.1	9.1	8.6	8.1	7.7
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	13.0	14.6	13.4	14.9	15.3	13.2	14.8	13.6	15.1	15.4
	3H	14.4	15.9	14.8	16.2	16.5	14.5	16.0	14.9	16.3	16.6
	4H	14.9	16.3	15.3	16.6	17.0	14.9	16.3	15.3	16.6	17.0
	6H	15.3	16.6	15.7	16.9	17.3	15.2	16.5	15.6	16.8	17.2
	8H	15.4	16.6	15.9	17.0	17.4	15.3	16.5	15.7	16.9	17.3
	12H	15.5	16.7	15.9	17.0	17.5	15.3	16.5	15.8	16.9	17.3
4H	2H	13.5	14.9	13.9	15.2	15.6	13.7	15.0	14.1	15.3	15.7
	3H	15.1	16.2	15.5	16.6	17.0	15.2	16.3	15.6	16.7	17.1
	4H	15.7	16.7	16.2	17.2	17.6	15.7	16.7	16.1	17.1	17.6
	6H	16.2	17.1	16.7	17.6	18.0	16.1	17.0	16.6	17.4	17.9
	8H	16.4	17.2	16.9	17.7	18.2	16.2	17.0	16.7	17.5	17.9
	12H	16.5	17.3	17.0	17.8	18.2	16.3	17.0	16.8	17.5	18.0
8H	4H	15.9	16.8	16.4	17.2	17.7	15.9	16.7	16.4	17.2	17.7
	6H	16.6	17.3	17.1	17.7	18.2	16.4	17.1	16.9	17.6	18.1
	8H	16.8	17.4	17.3	17.9	18.4	16.6	17.2	17.1	17.7	18.2
	12H	17.0	17.5	17.5	18.0	18.6	16.7	17.3	17.2	17.8	18.3
12H	4H	16.0	16.7	16.4	17.2	17.6	15.9	16.7	16.4	17.2	17.6
	6H	16.6	17.2	17.1	17.7	18.2	16.5	17.1	17.0	17.5	18.1
	8H	16.9	17.4	17.4	17.9	18.5	16.7	17.2	17.2	17.7	18.3

(END OF REPORT)