

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: P1471636

Luminaire Tested: 14PTR-20S-PC3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-20S-PC3-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

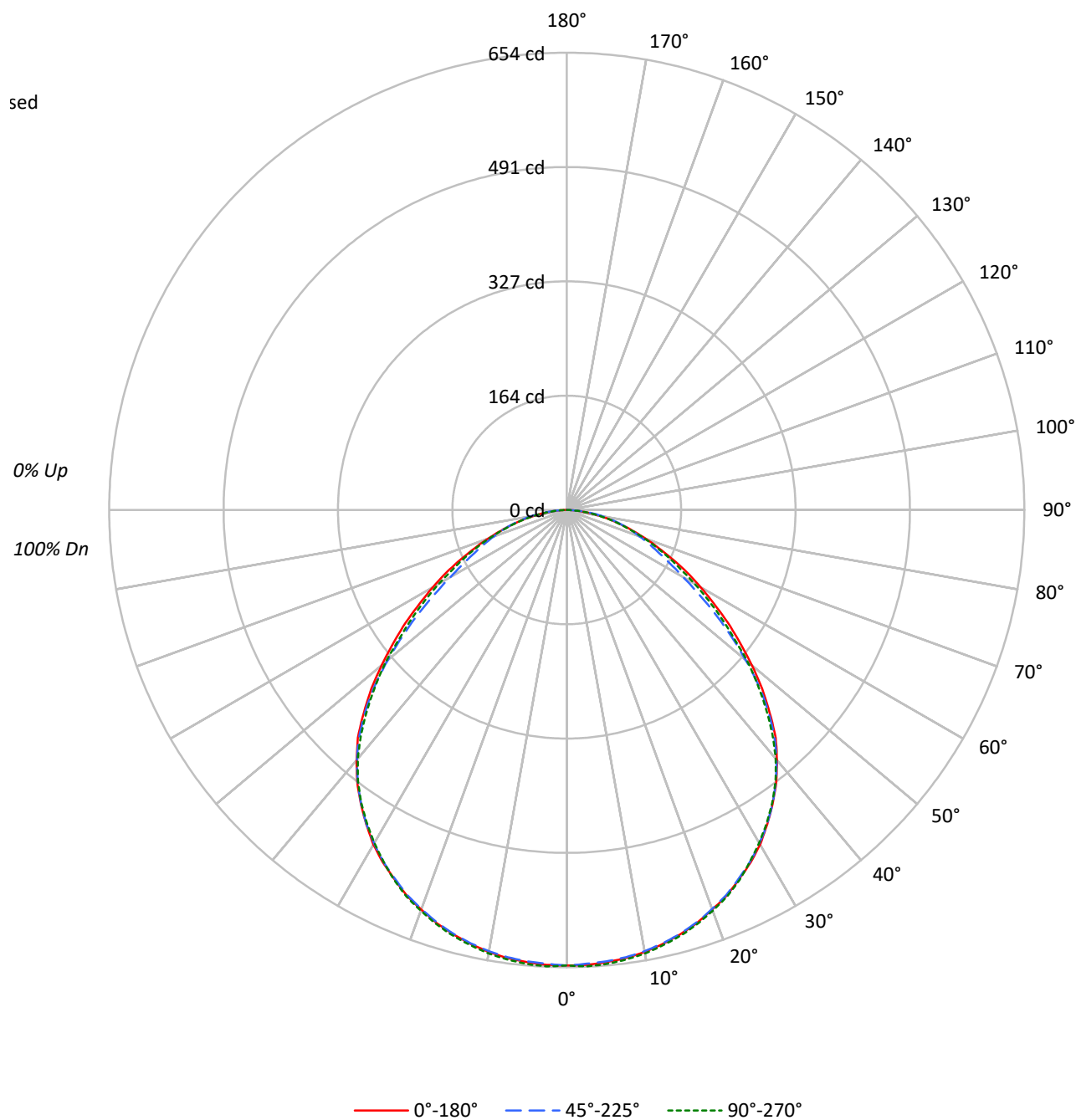
Lumens per Lamp: N/A
Luminaire Lumens: 1642.7 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1753	1753	1753
5°	1754	1751	1761
10°	1754	1751	1760
15°	1750	1748	1756
20°	1742	1739	1747
25°	1730	1727	1734
30°	1717	1711	1708
35°	1686	1684	1681
40°	1642	1639	1632
45°	1561	1549	1534
50°	1445	1396	1412
55°	1318	1212	1266
60°	1189	1033	1134
65°	1063	925	1019
70°	943	875	917
75°	834	847	817
80°	719	809	714
85°	537	639	537

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.8	3.8
10°-20°	177.4	10.8
20°-30°	268.6	16.3
30°-40°	320.2	19.5
40°-50°	312.9	19.0
50°-60°	239.2	14.6
60°-70°	153.6	9.3
70°-80°	85.4	5.2
80°-90°	23.6	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°	507.8	30.9
0°-40°	828.0	50.4
0°-60°	1380.1	84.0
0°-90°	1642.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1642.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	652	652	652	652	652	
5°	649	650	648	651	652	62
15°	628	629	627	630	630	177
25°	583	583	582	584	584	269
35°	513	514	513	512	512	321
45°	410	411	407	406	403	316
55°	281	271	258	262	270	251
65°	167	154	145	150	160	166
75°	80	81	82	80	79	86
85°	17	20	21	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	651.6	651.6	651.6	651.6	651.6
2.5°	651.2	651.4	649.7	652.5	653.5
5°	649.3	649.7	648.1	651.2	651.9
7.5°	646.5	646.9	645.3	648.4	648.6
10°	641.9	642.1	640.7	643.7	644.1
12.5°	635.6	636.3	634.7	637.5	637.6
15°	628.1	628.6	627.4	629.5	630.2
17.5°	619.3	619.5	618.3	620.6	620.9
20°	608.2	608.2	607.3	609.9	609.9
22.5°	597.1	596.4	596.1	597.1	598.5
25°	582.7	583.3	581.7	583.6	584.0
27.5°	568.7	568.7	567.3	568.2	567.0
30°	552.6	551.7	550.7	550.9	549.8
32.5°	533.2	533.2	532.8	532.8	531.4
35°	513.2	513.7	512.7	512.5	511.8
37.5°	491.7	492.5	490.8	490.4	489.9
40°	467.3	467.3	466.6	465.6	464.5
42.5°	441.9	441.9	438.9	436.5	434.9
45°	410.2	411.1	407.1	406.2	403.0
47.5°	378.7	378.0	372.7	372.0	370.1
50°	345.1	341.2	333.5	335.6	337.3
52.5°	311.6	306.7	295.5	297.8	300.6
55°	281.0	271.3	258.3	261.5	269.9
57.5°	249.1	236.1	223.0	229.1	239.6
60°	220.9	206.3	192.0	198.6	210.7
62.5°	193.9	178.3	166.9	173.2	183.4
65°	166.9	154.0	145.2	150.0	160.1
67.5°	142.2	133.5	127.5	129.8	137.9
70°	119.8	114.4	111.2	111.9	116.5
72.5°	98.6	97.2	96.0	96.0	96.4
75°	80.2	80.9	81.5	80.4	78.6
77.5°	63.2	65.5	67.1	64.8	62.5
80°	46.4	50.1	52.2	49.6	46.1
82.5°	31.7	35.9	36.6	35.0	31.0
85°	17.4	20.5	20.7	20.1	17.4
87.5°	6.5	7.7	8.4	7.7	6.8
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	14.0	12.8	14.3	14.6	12.2	13.8	12.6	14.1	14.4
	3H	13.9	15.3	14.2	15.6	15.9	13.6	15.0	14.0	15.4	15.7
	4H	14.4	15.7	14.8	16.1	16.4	14.2	15.5	14.6	15.9	16.2
	6H	14.8	16.0	15.2	16.4	16.8	14.6	15.8	15.0	16.2	16.6
	8H	14.9	16.1	15.3	16.5	16.9	14.7	15.9	15.2	16.3	16.7
	12H	15.0	16.1	15.4	16.5	16.9	14.8	15.9	15.2	16.3	16.7
4H	2H	12.8	14.1	13.2	14.5	14.8	12.6	13.9	13.0	14.3	14.7
	3H	14.5	15.6	14.9	16.0	16.4	14.3	15.4	14.7	15.8	16.2
	4H	15.2	16.2	15.6	16.6	17.0	15.0	16.0	15.5	16.4	16.9
	6H	15.7	16.6	16.2	17.0	17.5	15.6	16.4	16.0	16.9	17.3
	8H	15.9	16.7	16.3	17.1	17.6	15.7	16.5	16.2	17.0	17.5
	12H	16.0	16.7	16.5	17.2	17.7	15.8	16.6	16.3	17.0	17.5
8H	4H	15.4	16.2	15.9	16.7	17.2	15.3	16.1	15.8	16.6	17.0
	6H	16.1	16.8	16.6	17.3	17.7	16.0	16.7	16.5	17.1	17.6
	8H	16.4	17.0	16.9	17.5	18.0	16.2	16.8	16.7	17.3	17.8
	12H	16.5	17.1	17.0	17.6	18.1	16.4	16.9	16.9	17.4	18.0
12H	4H	15.5	16.2	16.0	16.7	17.1	15.3	16.1	15.8	16.5	17.0
	6H	16.2	16.8	16.7	17.2	17.8	16.1	16.7	16.6	17.1	17.7
	8H	16.5	17.0	17.0	17.5	18.1	16.3	16.9	16.9	17.4	17.9

(END OF REPORT)