

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: P1471632

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14PTR-20S-L835-UNV-STD-W
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

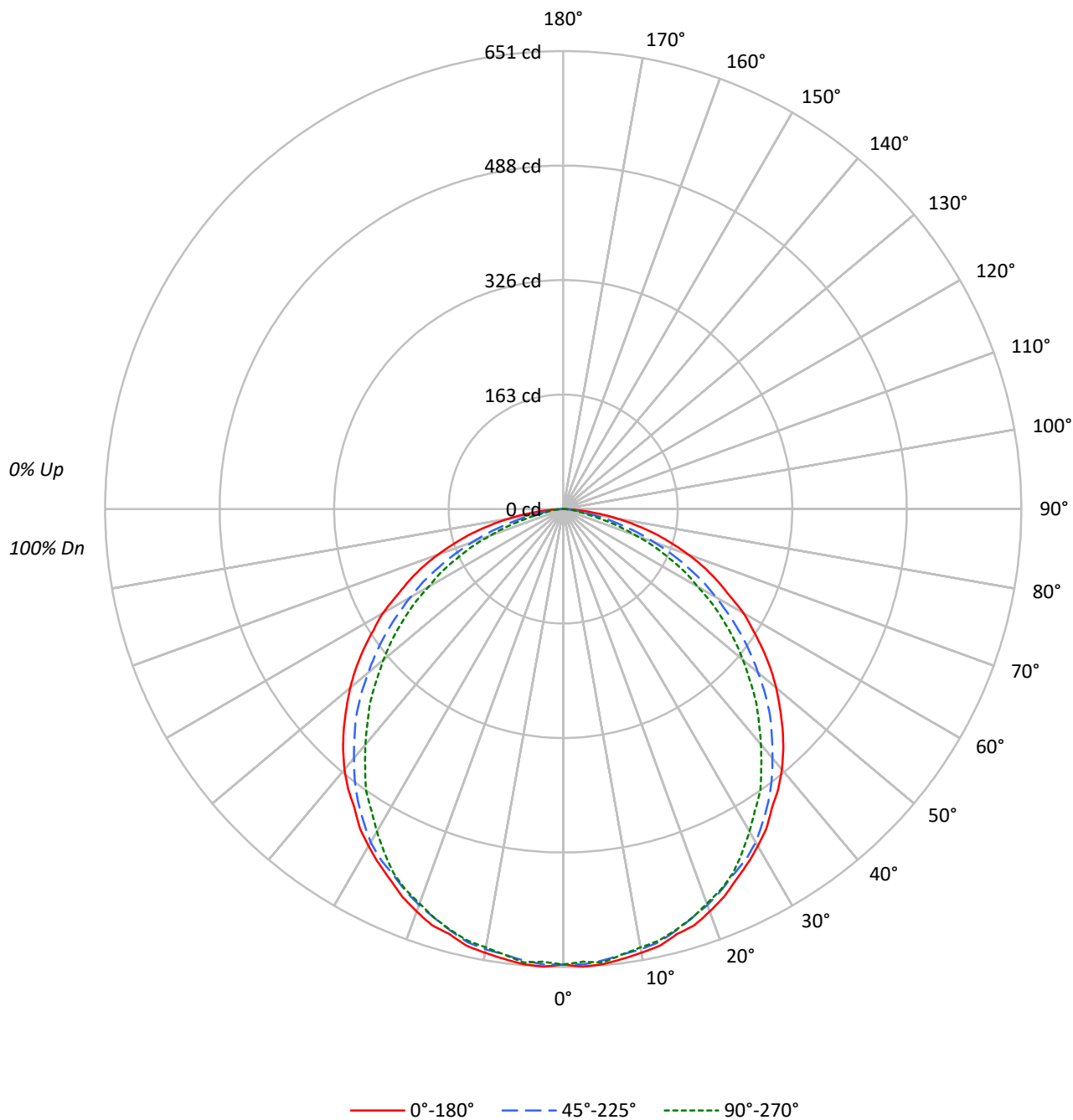
Lumens per Lamp: N/A
Luminaire Lumens: 1724.2 lumens
Efficiency: N/A
Efficacy: 105.1 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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					10
RW	70	50	30	10	70	50	30	10	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	100		
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31		
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1742	1742	1742
5°	1755	1740	1747
10°	1750	1736	1729
15°	1742	1728	1725
20°	1743	1716	1709
25°	1726	1701	1695
30°	1719	1700	1645
35°	1700	1669	1605
40°	1698	1625	1536
45°	1677	1583	1475
50°	1654	1513	1394
55°	1622	1442	1309
60°	1594	1349	1189
65°	1539	1237	1063
70°	1489	1077	868
75°	1399	849	597
80°	1213	514	358
85°	809	371	346

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.4	3.6
10°-20°	175.6	10.2
20°-30°	265.2	15.4
30°-40°	315.3	18.3
40°-50°	319.8	18.5
50°-60°	277.7	16.1
60°-70°	197.1	11.4
70°-80°	94.2	5.5
80°-90°	17.9	1.0
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°	502.2	29.1
0°-40°	817.5	47.4
0°-60°	1415.0	82.1
0°-90°	1724.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1724.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	647	647	647	647	647	
5°	650	647	644	646	647	62
15°	625	627	620	620	619	177
25°	581	581	573	575	571	269
35°	517	517	508	491	488	325
45°	441	437	416	394	388	340
55°	346	335	307	289	279	309
65°	242	224	194	174	167	239
75°	135	110	82	65	57	141
85°	26	14	12	12	11	33
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	647.3	647.3	647.3	647.3	647.3
2.5°	651.2	648.9	648.1	650.8	644.2
5°	649.6	647.3	644.2	645.8	646.9
7.5°	645.0	643.1	638.8	642.3	638.8
10°	640.4	638.5	635.4	636.5	632.7
12.5°	635.8	631.1	630.4	631.1	628.4
15°	625.3	626.9	620.3	619.6	619.2
17.5°	620.3	616.5	609.5	609.9	609.2
20°	608.8	604.1	599.1	598.4	596.8
22.5°	596.8	591.4	586.8	589.1	585.6
25°	581.4	580.6	572.9	575.2	571.0
27.5°	567.9	565.2	561.7	556.7	550.6
30°	553.2	550.6	547.1	534.0	529.3
32.5°	537.8	534.7	527.8	512.4	507.4
35°	517.4	516.6	508.1	490.8	488.5
37.5°	502.0	493.5	486.6	468.8	462.3
40°	483.5	478.8	462.6	445.7	437.2
42.5°	463.0	457.6	439.1	421.0	411.8
45°	440.7	436.8	416.0	394.0	387.5
47.5°	417.5	414.1	389.4	368.2	359.7
50°	395.2	390.9	361.3	340.8	333.1
52.5°	370.9	363.9	334.6	314.6	307.3
55°	345.8	335.4	307.3	289.2	279.1
57.5°	319.2	309.6	278.4	259.5	251.4
60°	296.1	282.6	250.6	231.3	220.9
62.5°	266.4	254.8	224.4	201.6	196.6
65°	241.7	223.6	194.3	173.5	166.9
67.5°	216.7	195.5	165.8	144.6	141.1
70°	189.3	167.3	136.9	116.0	110.3
72.5°	161.5	140.0	110.3	88.3	84.8
75°	134.6	109.9	81.7	64.8	57.4
77.5°	105.3	82.9	57.4	39.7	35.1
80°	78.3	55.9	33.2	23.5	23.1
82.5°	51.3	32.4	17.7	18.1	17.3
85°	26.2	13.9	12.0	11.6	11.2
87.5°	5.0	5.4	5.8	5.8	5.8
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	14.1	15.7	14.4	16.0	16.3	12.7	14.4	13.1	14.7	15.0
	3H	15.9	17.3	16.3	17.7	18.0	14.0	15.5	14.4	15.8	16.2
	4H	16.6	17.9	17.0	18.3	18.7	14.3	15.7	14.7	16.0	16.4
	6H	17.1	18.3	17.5	18.7	19.1	14.4	15.6	14.8	16.0	16.4
	8H	17.2	18.4	17.6	18.8	19.2	14.4	15.6	14.8	16.0	16.4
	12H	17.3	18.4	17.7	18.8	19.2	14.4	15.6	14.8	15.9	16.4
4H	2H	14.5	15.8	14.9	16.2	16.6	13.4	14.8	13.8	15.1	15.5
	3H	16.5	17.6	16.9	18.0	18.4	14.9	16.0	15.3	16.4	16.8
	4H	17.3	18.3	17.7	18.7	19.2	15.2	16.2	15.6	16.6	17.1
	6H	17.9	18.8	18.3	19.2	19.7	15.3	16.2	15.8	16.7	17.1
	8H	18.1	18.9	18.5	19.3	19.8	15.4	16.2	15.8	16.6	17.1
	12H	18.2	18.9	18.6	19.4	19.8	15.4	16.1	15.9	16.6	17.1
8H	4H	17.4	18.2	17.9	18.7	19.1	15.5	16.3	15.9	16.8	17.2
	6H	18.0	18.7	18.5	19.2	19.7	15.6	16.3	16.1	16.8	17.3
	8H	18.2	18.9	18.8	19.4	19.8	15.7	16.3	16.2	16.8	17.3
	12H	18.4	18.9	18.9	19.4	20.0	15.7	16.3	16.2	16.8	17.3
12H	4H	17.4	18.1	17.9	18.6	19.1	15.5	16.2	16.0	16.7	17.2
	6H	18.0	18.6	18.5	19.1	19.6	15.7	16.3	16.2	16.7	17.3
	8H	18.2	18.8	18.8	19.3	19.8	15.7	16.3	16.2	16.8	17.3

(END OF REPORT)