

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: P1471639

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471639
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-B
Description: 2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

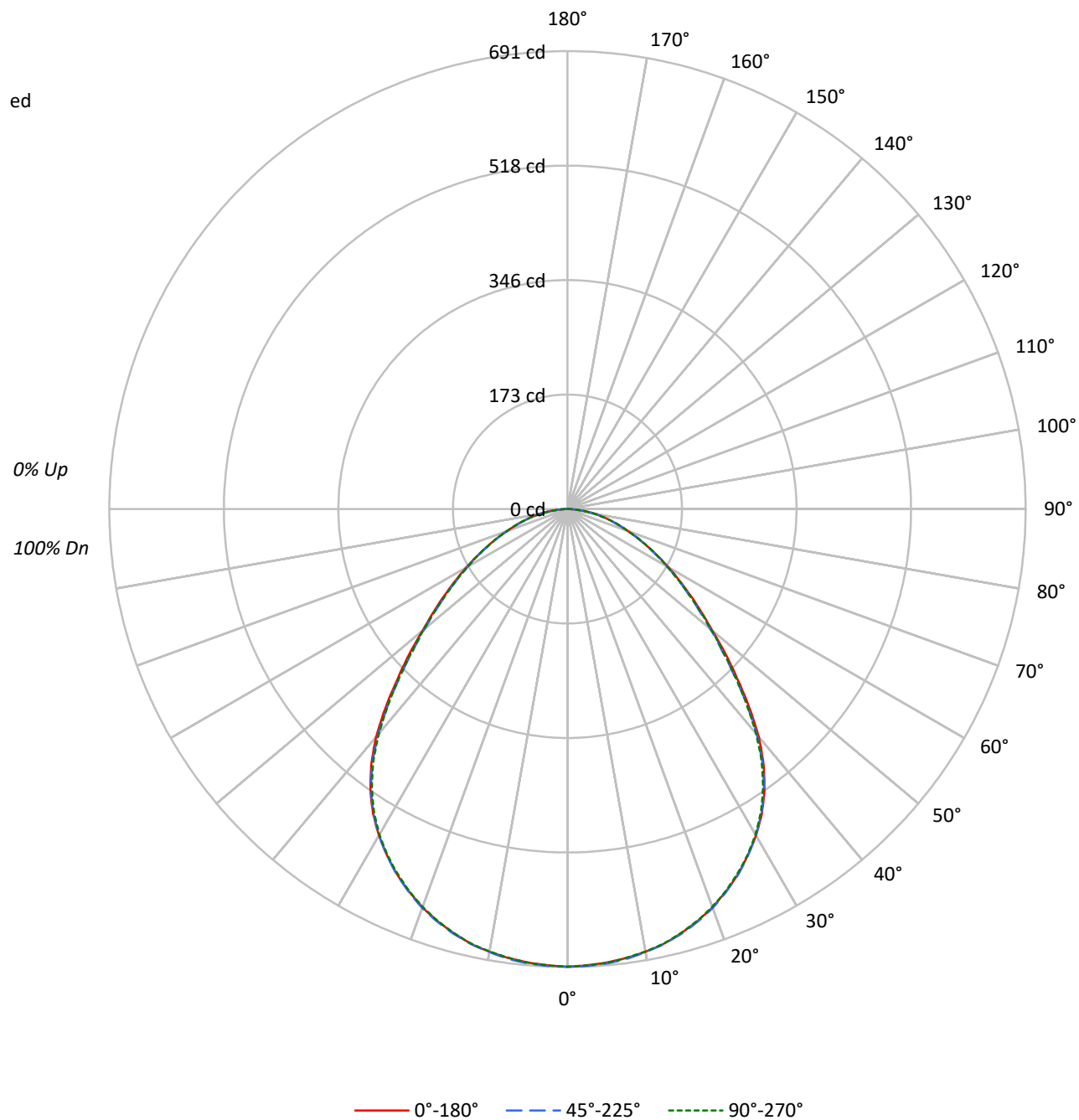
Lumens per Lamp: N/A
Luminaire Lumens: 1556.1 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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°	1858	1858	1858
5°	1855	1859	1856
10°	1854	1855	1852
15°	1846	1849	1845
20°	1832	1834	1829
25°	1806	1808	1802
30°	1767	1767	1762
35°	1702	1697	1689
40°	1577	1560	1555
45°	1378	1356	1362
50°	1190	1176	1182
55°	1058	1042	1044
60°	947	934	934
65°	849	842	846
70°	763	756	763
75°	708	698	708
80°	660	654	631
85°	559	559	500

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1378 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.4	4.2
10°-20°	187.1	12.0
20°-30°	279.9	18.0
30°-40°	320.7	20.6
40°-50°	277.4	17.8
50°-60°	200.8	12.9
60°-70°	132.2	8.5
70°-80°	72.0	4.6
80°-90°	20.6	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°	532.4	34.2
0°-40°	853.1	54.8
0°-60°	1331.3	85.6
0°-90°	1556.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1556.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	691	691	691	691	691	
5°	687	688	688	688	687	65
15°	663	663	664	665	662	187
25°	608	608	609	609	607	280
35°	518	518	517	516	514	322
45°	362	361	356	356	358	280
55°	226	224	222	221	222	203
65°	133	134	132	131	133	133
75°	68	68	67	67	68	73
85°	18	18	18	19	16	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	690.6	690.6	690.6	690.6	690.6
2.5°	689.1	690.6	690.1	690.6	689.1
5°	686.7	688.2	688.2	688.2	687.2
7.5°	683.3	684.2	684.7	685.2	682.8
10°	678.4	679.3	678.8	679.8	677.9
12.5°	672.0	672.0	672.5	673.5	671.5
15°	662.7	663.2	663.6	664.6	662.2
17.5°	651.9	652.4	652.9	653.4	651.4
20°	639.6	639.6	640.6	641.1	638.7
22.5°	624.4	624.4	625.4	626.9	623.9
25°	608.3	608.3	608.8	609.2	606.8
27.5°	589.1	589.1	589.6	591.1	588.2
30°	568.6	568.1	568.6	569.1	567.1
32.5°	545.5	545.0	544.5	545.0	542.6
35°	518.1	517.6	516.6	516.1	514.2
37.5°	486.2	485.2	483.3	483.3	481.3
40°	449.0	446.5	444.1	443.1	442.6
42.5°	405.8	403.9	400.4	400.0	400.0
45°	362.2	361.2	356.3	355.8	357.8
47.5°	323.0	320.6	316.1	315.2	318.1
50°	284.3	284.8	280.8	279.4	282.3
52.5°	253.9	252.9	249.5	248.5	251.0
55°	225.5	224.5	222.0	220.6	222.5
57.5°	199.5	199.0	196.5	196.1	197.0
60°	176.0	175.5	173.5	173.0	173.5
62.5°	153.9	153.9	151.9	151.0	152.4
65°	133.3	134.3	132.3	131.4	132.8
67.5°	114.7	115.7	113.7	112.7	114.7
70°	97.0	98.0	96.1	95.1	97.0
72.5°	81.9	82.3	80.9	80.4	82.8
75°	68.1	68.1	67.1	67.1	68.1
77.5°	55.4	54.9	54.4	54.4	53.4
80°	42.6	42.2	42.2	42.2	40.7
82.5°	30.4	29.4	29.9	30.4	27.9
85°	18.1	18.1	18.1	18.6	16.2
87.5°	7.4	7.4	6.9	7.4	6.4
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	11.4	12.9	11.8	13.2	13.6	11.3	12.8	11.7	13.1	13.5
	3H	12.9	14.2	13.2	14.5	14.9	12.8	14.1	13.1	14.4	14.8
	4H	13.4	14.7	13.8	15.0	15.4	13.3	14.6	13.7	14.9	15.3
	6H	13.8	15.0	14.2	15.4	15.8	13.7	14.9	14.1	15.3	15.7
	8H	14.0	15.1	14.4	15.5	15.9	13.9	15.0	14.3	15.4	15.8
	12H	14.1	15.1	14.5	15.5	15.9	13.9	15.0	14.4	15.4	15.8
4H	2H	11.9	13.2	12.3	13.5	13.9	11.8	13.1	12.2	13.4	13.8
	3H	13.6	14.6	14.0	15.0	15.4	13.5	14.5	13.9	14.9	15.3
	4H	14.2	15.2	14.7	15.6	16.0	14.2	15.1	14.6	15.5	16.0
	6H	14.8	15.6	15.3	16.1	16.5	14.7	15.5	15.2	16.0	16.4
	8H	15.0	15.8	15.5	16.2	16.7	14.9	15.7	15.3	16.1	16.6
	12H	15.1	15.8	15.6	16.3	16.8	15.0	15.7	15.5	16.2	16.6
8H	4H	14.5	15.3	14.9	15.7	16.2	14.4	15.2	14.9	15.6	16.1
	6H	15.2	15.8	15.7	16.3	16.8	15.1	15.7	15.6	16.2	16.7
	8H	15.4	16.0	15.9	16.5	17.0	15.3	15.9	15.9	16.4	16.9
	12H	15.6	16.1	16.1	16.6	17.2	15.5	16.0	16.1	16.5	17.1
12H	4H	14.5	15.2	15.0	15.7	16.1	14.4	15.1	14.9	15.6	16.1
	6H	15.2	15.8	15.7	16.3	16.8	15.1	15.7	15.7	16.2	16.7
	8H	15.5	16.0	16.0	16.5	17.1	15.5	16.0	16.0	16.5	17.0

(END OF REPORT)