Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1471642

Luminaire Tested: 14PTR-20S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471642
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-20S-PP3-L835-UNV-STD-W
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1657.5 lumens
Efficiency:	N/A
Efficacy:	101.1 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 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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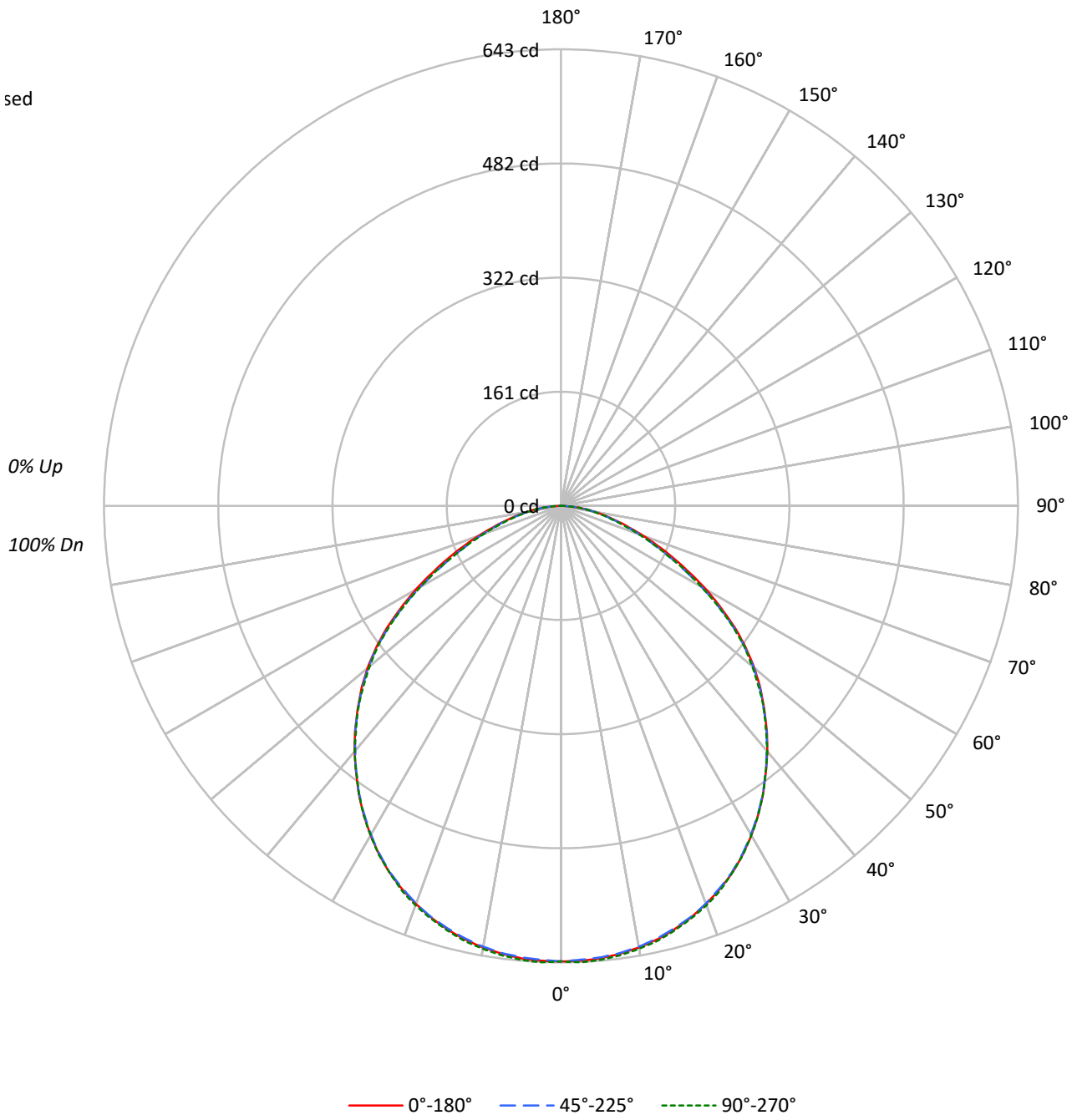
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			20
RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
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	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1726	1726	1726
5°	1728	1724	1733
10°	1725	1723	1731
15°	1720	1716	1724
20°	1708	1707	1714
25°	1693	1690	1692
30°	1665	1661	1665
35°	1628	1626	1628
40°	1587	1582	1586
45°	1539	1534	1536
50°	1488	1481	1470
55°	1400	1384	1380
60°	1271	1228	1230
65°	1116	1060	1059
70°	965	921	910
75°	835	804	786
80°	739	728	696
85°	611	633	596

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1545 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.8	3.7
10°-20°	174.3	10.5
20°-30°	262.4	15.8
30°-40°	309.7	18.7
40°-50°	311.5	18.8
50°-60°	262.9	15.9
60°-70°	168.9	10.2
70°-80°	84.0	5.1
80°-90°	23.0	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°	497.5	30.0
0°-40°	807.2	48.7
0°-60°	1381.6	83.4
0°-90°	1657.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1657.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	642	642	642	642	642	
5°	640	640	638	641	642	61
15°	617	618	616	619	619	174
25°	570	570	569	570	570	262
35°	496	496	495	496	496	310
45°	404	406	403	404	404	312
55°	298	298	295	294	294	266
65°	175	173	166	165	166	175
75°	80	80	77	77	76	87
85°	20	20	20	19	19	23
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	641.5	641.5	641.5	641.5	*641.5*
2.5°	*641.2*	*641.5*	*639.8*	*642.9*	*643.4*
5°	639.6	639.8	638.2	641.2	*641.7*
7.5°	636.3	636.6	635.2	637.9	*638.5*
10°	631.4	632.2	630.5	633.1	*633.5*
12.5°	625.4	625.7	624.0	627.0	*627.5*
15°	617.3	617.5	616.1	618.9	*618.9*
17.5°	607.9	608.2	607.2	609.6	*609.3*
20°	596.6	597.2	596.1	597.7	*598.6*
22.5°	584.2	584.5	583.0	585.1	*586.1*
25°	570.3	570.4	569.3	570.4	*570.0*
27.5°	553.9	554.4	552.7	553.9	*554.2*
30°	535.7	536.9	534.6	535.6	*535.7*
32.5°	516.2	516.9	515.3	515.5	*516.7*
35°	495.7	496.0	495.0	495.5	*495.5*
37.5°	473.6	474.6	473.1	473.8	*472.9*
40°	451.7	450.8	450.3	450.8	*451.5*
42.5°	428.6	428.9	428.2	427.7	*426.6*
45°	404.4	405.9	403.2	403.7	*403.7*
47.5°	380.7	380.9	379.6	378.1	*377.2*
50°	355.4	355.4	353.7	352.6	*351.1*
52.5°	327.6	327.2	325.3	324.1	*324.8*
55°	298.5	298.2	295.0	293.8	*294.1*
57.5°	266.6	267.1	262.2	261.0	*261.0*
60°	236.1	233.8	228.2	226.6	*228.6*
62.5°	204.2	201.4	195.4	195.4	*197.0*
65°	175.3	172.8	166.5	164.8	*166.3*
67.5°	148.3	145.9	140.2	139.3	*139.7*
70°	122.7	120.7	117.1	115.0	*115.7*
72.5°	100.6	98.7	96.4	94.8	*93.8*
75°	80.3	79.9	77.3	76.6	*75.6*
77.5°	63.5	63.4	61.3	60.3	*59.4*
80°	47.7	47.5	47.0	45.6	*44.9*
82.5°	34.0	34.0	33.8	32.6	*31.9*
85°	19.8	20.5	20.5	19.3	*19.3*
87.5°	8.0	8.4	8.0	8.0	*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	13.1	14.7	13.5	15.0	15.4	13.0	14.6	13.3	14.9	15.2
	3H	14.4	15.9	14.8	16.2	16.6	14.2	15.6	14.6	16.0	16.3
	4H	14.9	16.2	15.3	16.6	17.0	14.6	16.0	15.0	16.3	16.7
	6H	15.2	16.5	15.6	16.8	17.2	15.0	16.2	15.4	16.6	16.9
	8H	15.3	16.5	15.8	16.9	17.3	15.1	16.2	15.5	16.6	17.0
	12H	15.4	16.5	15.8	16.9	17.3	15.1	16.3	15.6	16.6	17.1
4H	2H	13.6	14.9	14.0	15.2	15.6	13.4	14.8	13.8	15.1	15.5
	3H	15.1	16.2	15.5	16.6	17.0	14.9	16.0	15.3	16.4	16.8
	4H	15.6	16.6	16.1	17.1	17.5	15.4	16.4	15.8	16.8	17.3
	6H	16.1	17.0	16.6	17.4	17.9	15.8	16.7	16.3	17.2	17.6
	8H	16.2	17.1	16.7	17.5	18.0	16.0	16.8	16.5	17.3	17.7
	12H	16.4	17.1	16.8	17.6	18.0	16.1	16.8	16.6	17.3	17.8
8H	4H	15.8	16.7	16.3	17.1	17.6	15.6	16.4	16.1	16.9	17.4
	6H	16.4	17.1	16.9	17.6	18.0	16.2	16.8	16.7	17.3	17.8
	8H	16.6	17.2	17.1	17.7	18.2	16.4	17.0	16.9	17.5	18.0
	12H	16.8	17.3	17.3	17.8	18.4	16.5	17.1	17.1	17.6	18.1
12H	4H	15.9	16.6	16.3	17.1	17.5	15.6	16.4	16.1	16.9	17.3
	6H	16.4	17.0	17.0	17.5	18.0	16.2	16.8	16.7	17.3	17.8
	8H	16.7	17.2	17.2	17.7	18.3	16.5	17.0	17.0	17.5	18.1

(END OF REPORT)