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: P1471634

Luminaire Tested: 14PTR-20S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471634
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14PTR-20S-PB1-L835-UNV-STD-W
Description:	2000 LUMEN 1X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces
	Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1634.6 lumens
Efficiency:	N/A
Efficacy:	99.7 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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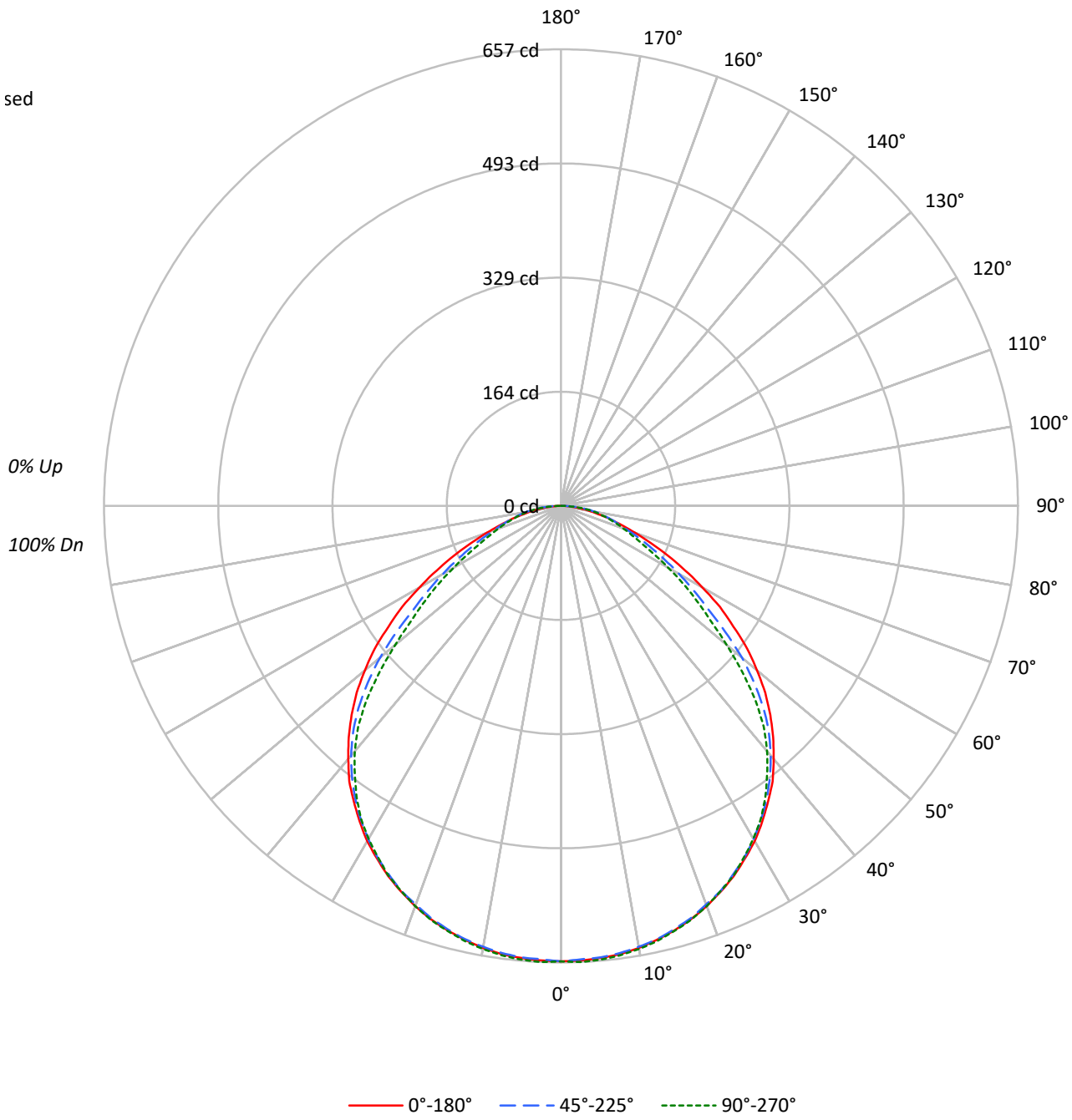
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	110	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1764	1764	1764
5°	1764	1762	1771
10°	1765	1761	1769
15°	1761	1757	1763
20°	1755	1748	1755
25°	1745	1738	1743
30°	1731	1721	1719
35°	1706	1693	1682
40°	1671	1649	1620
45°	1620	1568	1504
50°	1539	1421	1299
55°	1419	1207	1119
60°	1263	1055	959
65°	1083	914	816
70°	895	806	748
75°	754	771	730
80°	637	787	750
85°	500	797	698

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1620 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.2	3.8
10°-20°	178.4	10.9
20°-30°	270.2	16.5
30°-40°	321.9	19.7
40°-50°	314.8	19.3
50°-60°	238.1	14.6
60°-70°	146.3	8.9
70°-80°	77.9	4.8
80°-90°	24.9	1.5
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°	510.7	31.2
0°-40°	832.6	50.9
0°-60°	1385.5	84.8
0°-90°	1634.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1634.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	656	656	656	656	656	
5°	653	654	652	655	656	62
15°	632	633	631	633	633	178
25°	588	587	585	586	587	271
35°	519	518	515	513	512	325
45°	426	423	412	398	395	327
55°	302	287	257	243	239	271
65°	170	156	144	132	128	169
75°	72	73	74	72	70	78
85°	16	21	26	24	23	19
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	655.5	655.5	655.5	655.5	*655.5*
2.5°	*654.8*	*655.5*	*653.1*	*656.4*	*657.1*
5°	653.1	653.9	652.3	654.8	*655.5*
7.5°	650.7	650.7	649.1	651.5	*652.3*
10°	645.9	645.9	644.3	646.6	*647.5*
12.5°	639.4	639.4	638.6	640.2	*641.1*
15°	632.2	632.9	630.6	632.9	*632.9*
17.5°	623.3	622.5	621.7	623.3	*624.1*
20°	612.8	612.8	610.4	612.0	*612.8*
22.5°	600.7	600.7	599.9	600.7	*599.9*
25°	587.8	587.0	585.4	586.2	*587.0*
27.5°	572.5	572.5	570.9	570.9	*570.0*
30°	557.2	556.3	553.9	552.3	*553.1*
32.5°	538.6	537.8	535.4	533.8	*534.6*
35°	519.2	518.5	515.3	512.8	*512.0*
37.5°	499.9	497.5	493.4	490.2	*487.0*
40°	475.7	473.3	469.3	462.0	*461.2*
42.5°	451.5	449.2	442.6	433.8	*431.4*
45°	425.7	423.3	412.0	398.3	*395.1*
47.5°	398.3	394.3	376.5	359.6	*353.2*
50°	367.7	360.4	339.4	317.7	*310.4*
52.5°	337.8	325.0	297.5	278.2	*271.0*
55°	302.4	287.0	257.3	242.7	*238.6*
57.5°	271.0	250.0	225.8	211.3	*208.1*
60°	234.6	215.3	196.0	183.0	*178.2*
62.5°	201.6	184.6	168.5	157.2	*151.6*
65°	170.1	156.4	143.6	132.2	*128.2*
67.5°	139.5	132.2	121.7	112.9	*110.5*
70°	113.7	109.6	102.4	98.4	*95.1*
72.5°	90.3	91.9	87.1	85.5	*83.0*
75°	72.5	73.4	74.2	71.8	*70.2*
77.5°	54.9	58.8	62.0	60.4	*58.8*
80°	41.1	45.1	50.8	48.4	*48.4*
82.5°	28.2	33.1	37.9	36.3	*35.5*
85°	16.2	21.0	25.8	24.2	*22.6*
87.5°	6.4	10.5	11.3	11.3	*10.5*
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	12.9	14.4	13.2	14.7	15.0	11.6	13.1	11.9	13.4	13.8
	3H	14.1	15.5	14.5	15.8	16.2	12.8	14.2	13.2	14.6	14.9
	4H	14.5	15.8	14.9	16.2	16.5	13.4	14.7	13.8	15.0	15.4
	6H	14.8	16.0	15.2	16.4	16.8	13.9	15.1	14.3	15.5	15.8
	8H	14.9	16.0	15.3	16.4	16.8	14.1	15.2	14.5	15.6	16.0
	12H	14.9	16.0	15.4	16.4	16.9	14.2	15.3	14.6	15.7	16.1
4H	2H	13.2	14.5	13.6	14.8	15.2	12.1	13.4	12.5	13.8	14.1
	3H	14.6	15.7	15.0	16.1	16.5	13.6	14.7	14.0	15.1	15.5
	4H	15.2	16.2	15.6	16.6	17.0	14.3	15.3	14.7	15.7	16.1
	6H	15.6	16.5	16.1	16.9	17.4	14.9	15.8	15.4	16.2	16.7
	8H	15.7	16.5	16.2	17.0	17.5	15.2	16.0	15.6	16.4	16.9
	12H	15.8	16.5	16.3	17.0	17.5	15.4	16.1	15.9	16.6	17.0
8H	4H	15.4	16.2	15.9	16.6	17.1	14.6	15.4	15.1	15.8	16.3
	6H	15.9	16.6	16.4	17.1	17.6	15.4	16.0	15.9	16.5	17.0
	8H	16.1	16.7	16.7	17.3	17.7	15.7	16.3	16.2	16.8	17.3
	12H	16.3	16.8	16.8	17.3	17.9	16.0	16.5	16.5	17.0	17.6
12H	4H	15.4	16.1	15.9	16.6	17.1	14.6	15.3	15.1	15.8	16.3
	6H	16.0	16.6	16.5	17.1	17.6	15.5	16.1	16.0	16.5	17.1
	8H	16.3	16.8	16.8	17.3	17.9	15.9	16.4	16.4	16.9	17.4

(END OF REPORT)