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: P1471685

Luminaire Tested: 22PTR-20S-PL1-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471685
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-20S-PL1-L835-UNV-STD-B
Description:	2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
	Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1610.4 lumens
Efficiency:	N/A
Efficacy:	106.6 lumens/watt
Spacing Criteria (0/90/45):	1.25 / 1.26 / 1.35
Luminous Opening:	Rectangular (W 2' x L: 2' x H: 0')
CIE Type:	Direct

Input Watts (W):	15.1
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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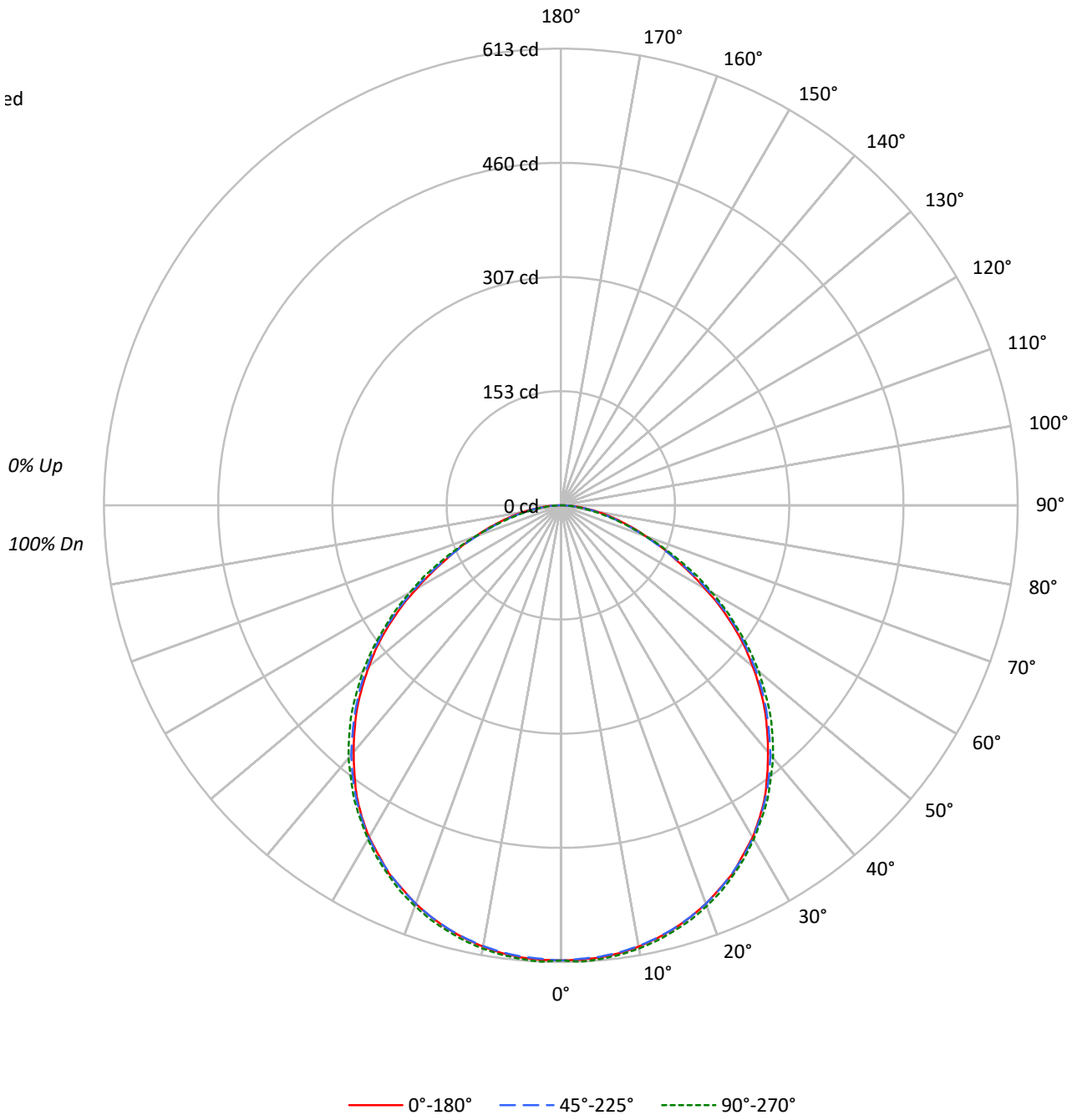
Luminous Intensity Polar Plot



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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	98	95	93	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1644	1644	1644
5°	1645	1642	1651
10°	1643	1641	1651
15°	1638	1638	1646
20°	1630	1630	1639
25°	1619	1617	1626
30°	1599	1601	1609
35°	1568	1574	1587
40°	1519	1537	1557
45°	1472	1484	1513
50°	1407	1423	1451
55°	1325	1346	1362
60°	1202	1228	1258
65°	1068	1079	1123
70°	954	935	958
75°	861	812	795
80°	783	727	645
85°	664	602	519

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 1513 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	3.6
10°-20°	166.2	10.3
20°-30°	251.4	15.6
30°-40°	299.7	18.6
40°-50°	301.3	18.7
50°-60°	255.8	15.9
60°-70°	170.3	10.6
70°-80°	85.0	5.3
80°-90°	22.8	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°	475.6	29.5
0°-40°	775.3	48.1
0°-60°	1332.3	82.7
0°-90°	1610.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1610.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	611	611	611	611	611	
5°	609	609	608	611	611	58
15°	588	589	588	590	591	166
25°	545	545	545	547	548	251
35°	477	478	479	482	483	298
45°	387	388	390	395	398	298
55°	282	284	287	290	290	252
65°	168	169	170	172	176	168
75°	83	82	78	76	76	89
85°	22	21	20	18	17	25
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	610.9	610.9	610.9	610.9	*610.9*
2.5°	*610.4*	*610.9*	*609.3*	*612.2*	*613.0*
5°	609.1	609.3	608.0	610.7	*611.3*
7.5°	606.2	606.4	605.0	608.0	*608.4*
10°	601.4	601.9	600.7	603.4	*604.1*
12.5°	595.3	596.0	594.8	597.8	*598.3*
15°	588.1	588.7	587.8	590.3	*590.8*
17.5°	579.2	579.7	579.2	581.5	*582.8*
20°	569.2	569.2	569.2	571.3	*572.4*
22.5°	556.8	558.0	557.5	560.2	*561.3*
25°	545.3	545.3	544.6	547.1	*547.5*
27.5°	529.2	531.0	530.8	533.0	*533.5*
30°	514.5	515.0	515.2	516.8	*517.7*
32.5°	496.6	497.0	497.8	500.0	*500.2*
35°	477.4	477.9	479.2	482.5	*483.0*
37.5°	455.0	457.5	458.6	462.2	*462.6*
40°	432.5	434.1	437.6	441.3	*443.1*
42.5°	409.7	411.5	413.5	418.7	*420.4*
45°	386.8	387.5	390.0	395.2	*397.5*
47.5°	361.5	363.5	365.8	370.3	*371.7*
50°	336.1	338.4	339.8	343.8	*346.5*
52.5°	310.6	312.6	314.2	316.7	*319.4*
55°	282.5	284.5	287.0	289.8	*290.4*
57.5°	254.0	256.2	257.8	260.7	*263.7*
60°	223.4	225.9	228.2	230.9	*233.8*
62.5°	194.9	196.0	198.3	202.8	*207.1*
65°	167.7	169.1	169.5	172.1	*176.3*
67.5°	145.1	145.1	143.0	143.9	*148.7*
70°	121.3	120.4	118.8	117.9	*121.8*
72.5°	102.1	100.9	97.5	96.0	*98.0*
75°	82.8	81.7	78.1	76.2	*76.5*
77.5°	66.5	64.7	61.8	58.6	*58.0*
80°	50.5	49.8	46.9	43.9	*41.6*
82.5°	35.8	34.2	32.6	30.8	*29.0*
85°	21.5	21.1	19.5	18.3	*16.8*
87.5°	8.8	8.8	8.4	7.9	*7.5*
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	14.5	13.3	14.8	15.2	13.1	14.7	13.4	15.0	15.3
	3H	14.3	15.7	14.7	16.1	16.4	14.4	15.8	14.8	16.2	16.5
	4H	14.8	16.2	15.2	16.5	16.9	14.8	16.2	15.2	16.5	16.9
	6H	15.2	16.4	15.6	16.8	17.2	15.1	16.4	15.5	16.7	17.1
	8H	15.3	16.5	15.8	16.9	17.3	15.2	16.4	15.6	16.8	17.2
	12H	15.4	16.6	15.8	16.9	17.4	15.2	16.4	15.7	16.8	17.2
4H	2H	13.4	14.8	13.8	15.1	15.5	13.6	14.9	13.9	15.2	15.6
	3H	15.0	16.1	15.4	16.5	16.9	15.1	16.2	15.5	16.6	17.0
	4H	15.6	16.6	16.1	17.1	17.5	15.6	16.6	16.0	17.0	17.5
	6H	16.1	17.0	16.6	17.5	17.9	16.0	16.9	16.5	17.3	17.8
	8H	16.3	17.1	16.8	17.6	18.0	16.1	16.9	16.6	17.4	17.8
	12H	16.4	17.2	16.9	17.7	18.1	16.2	16.9	16.7	17.4	17.9
8H	4H	15.8	16.7	16.3	17.1	17.6	15.8	16.6	16.3	17.1	17.6
	6H	16.5	17.1	17.0	17.6	18.1	16.3	17.0	16.8	17.5	18.0
	8H	16.7	17.3	17.2	17.8	18.3	16.5	17.1	17.0	17.6	18.1
	12H	16.9	17.4	17.4	17.9	18.5	16.6	17.2	17.1	17.7	18.2
12H	4H	15.9	16.6	16.3	17.1	17.5	15.8	16.6	16.3	17.1	17.5
	6H	16.5	17.1	17.0	17.6	18.1	16.4	17.0	16.9	17.4	18.0
	8H	16.8	17.3	17.3	17.8	18.4	16.6	17.1	17.1	17.6	18.2

(END OF REPORT)