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: P1471683

Luminaire Tested: 22PTR-20S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471683
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-20S-PC3-L835-UNV-STD-B
Description:	2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1594.5 lumens
Efficiency:	N/A
Efficacy:	105.6 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
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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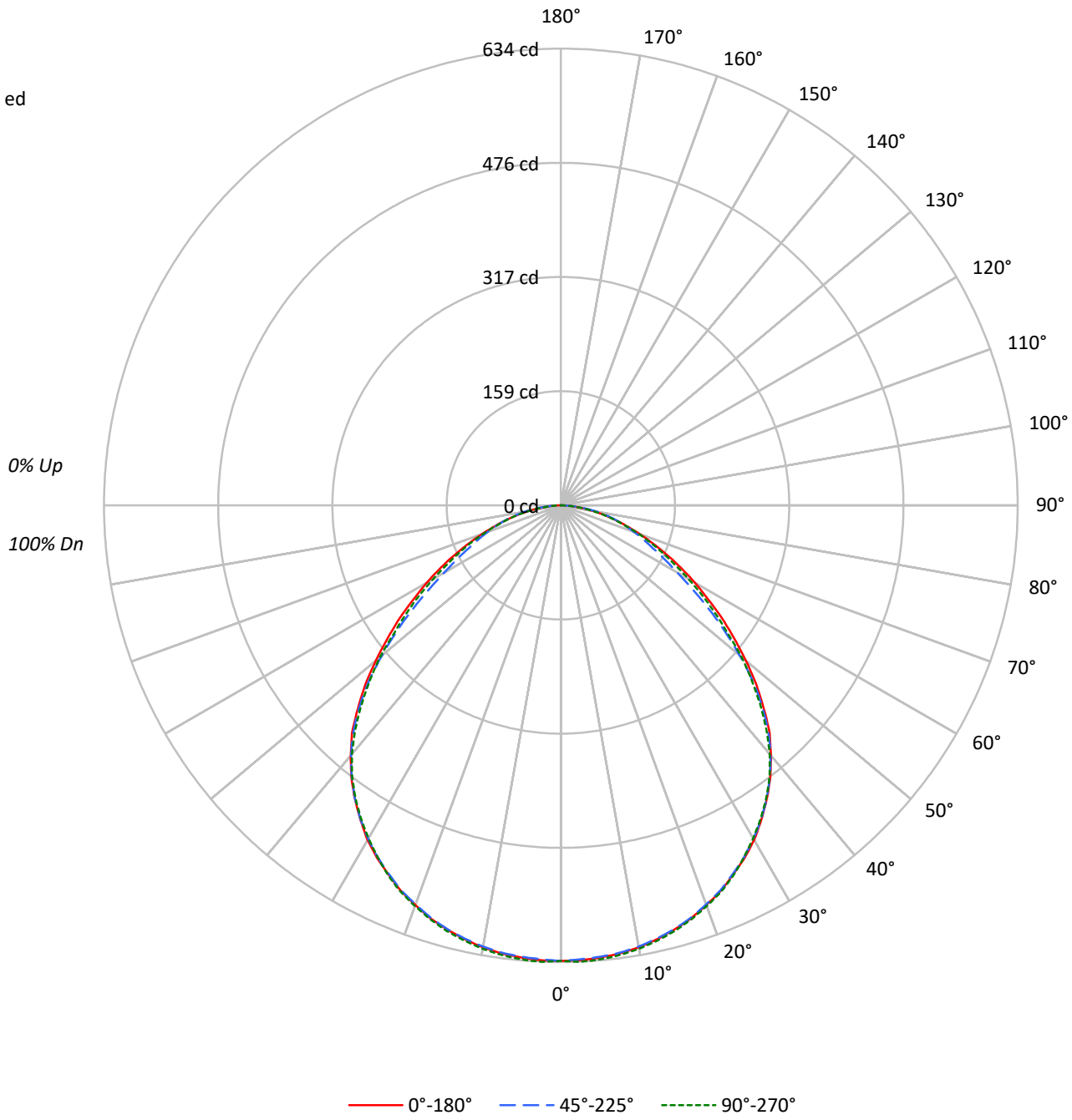
Luminous Intensity Polar Plot



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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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	90	80	73	68	77	71	66	75	70	65	72	68	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	39	52	44	39	50	44	39	49	43	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1702	1702	1702
5°	1702	1699	1709
10°	1702	1699	1708
15°	1698	1697	1704
20°	1691	1688	1695
25°	1679	1677	1683
30°	1667	1661	1658
35°	1637	1635	1632
40°	1593	1591	1584
45°	1515	1504	1489
50°	1402	1356	1371
55°	1280	1176	1229
60°	1154	1003	1101
65°	1032	898	989
70°	915	849	890
75°	809	823	793
80°	697	786	694
85°	522	621	522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1518 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	3.8
10°-20°	172.2	10.8
20°-30°	260.7	16.3
30°-40°	310.8	19.5
40°-50°	303.7	19.0
50°-60°	232.2	14.6
60°-70°	149.1	9.3
70°-80°	83.0	5.2
80°-90°	22.9	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°	492.9	30.9
0°-40°	803.7	50.4
0°-60°	1339.6	84.0
0°-90°	1594.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1594.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	632	632	632	632	632	
5°	630	631	629	632	633	60
15°	610	610	609	611	612	172
25°	566	566	565	566	567	261
35°	498	499	498	497	497	311
45°	398	399	395	394	391	306
55°	273	263	251	254	262	244
65°	162	150	141	146	155	162
75°	78	78	79	78	76	83
85°	17	20	20	20	17	21
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	632.5	632.5	632.5	632.5	*632.5*
2.5°	*632.1*	*632.3*	*630.7*	*633.4*	*634.3*
5°	630.2	630.7	629.1	632.1	*632.7*
7.5°	627.5	627.9	626.4	629.3	*629.6*
10°	623.0	623.3	621.9	624.8	*625.2*
12.5°	616.9	617.6	616.0	618.7	*618.9*
15°	609.6	610.1	609.0	611.0	*611.7*
17.5°	601.1	601.3	600.2	602.4	*602.6*
20°	590.4	590.4	589.5	592.0	*592.0*
22.5°	579.5	578.9	578.6	579.5	*580.9*
25°	565.6	566.2	564.7	566.5	*566.9*
27.5°	552.0	552.0	550.6	551.5	*550.4*
30°	536.4	535.5	534.6	534.7	*533.7*
32.5°	517.6	517.6	517.1	517.1	*515.8*
35°	498.2	498.6	497.7	497.4	*496.8*
37.5°	477.3	478.0	476.4	476.0	*475.5*
40°	453.5	453.5	452.9	452.0	*450.8*
42.5°	428.9	428.9	426.0	423.7	*422.1*
45°	398.1	399.0	395.2	394.3	*391.2*
47.5°	367.6	366.9	361.7	361.1	*359.3*
50°	335.0	331.2	323.8	325.7	*327.4*
52.5°	302.5	297.7	286.8	289.1	*291.8*
55°	272.8	263.3	250.7	253.8	*261.9*
57.5°	241.8	229.2	216.5	222.4	*232.5*
60°	214.4	200.2	186.4	192.7	*204.5*
62.5°	188.2	173.1	162.0	168.1	*178.0*
65°	162.0	149.5	141.0	145.6	*155.4*
67.5°	138.0	129.6	123.8	126.0	*133.9*
70°	116.3	111.0	107.9	108.6	*113.1*
72.5°	95.7	94.4	93.2	93.2	*93.6*
75°	77.8	78.5	79.2	78.1	*76.3*
77.5°	61.3	63.5	65.2	62.9	*60.7*
80°	45.0	48.7	50.7	48.2	*44.8*
82.5°	30.7	34.8	35.5	33.9	*30.1*
85°	16.9	19.9	20.1	19.5	*16.9*
87.5°	6.3	7.5	8.1	7.5	*6.6*
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	12.3	13.9	12.7	14.2	14.5	12.1	13.6	12.4	14.0	14.3
	3H	13.8	15.2	14.1	15.5	15.8	13.5	14.9	13.9	15.3	15.6
	4H	14.3	15.6	14.7	16.0	16.3	14.1	15.4	14.5	15.8	16.1
	6H	14.7	15.9	15.1	16.3	16.7	14.5	15.7	14.9	16.1	16.5
	8H	14.8	16.0	15.2	16.4	16.8	14.6	15.8	15.1	16.2	16.6
	12H	14.9	16.0	15.3	16.4	16.8	14.7	15.8	15.1	16.2	16.6
4H	2H	12.7	14.0	13.1	14.4	14.7	12.5	13.8	12.9	14.2	14.6
	3H	14.4	15.5	14.8	15.9	16.3	14.2	15.3	14.6	15.7	16.1
	4H	15.1	16.1	15.5	16.5	16.9	14.9	15.9	15.3	16.3	16.8
	6H	15.6	16.5	16.1	16.9	17.4	15.5	16.3	15.9	16.8	17.2
	8H	15.8	16.6	16.2	17.0	17.5	15.6	16.4	16.1	16.9	17.4
	12H	15.9	16.6	16.4	17.1	17.6	15.7	16.5	16.2	16.9	17.4
8H	4H	15.3	16.1	15.8	16.6	17.1	15.2	16.0	15.7	16.4	16.9
	6H	16.0	16.7	16.5	17.2	17.6	15.9	16.6	16.4	17.0	17.5
	8H	16.3	16.9	16.8	17.4	17.9	16.1	16.7	16.6	17.2	17.7
	12H	16.4	17.0	16.9	17.5	18.0	16.3	16.8	16.8	17.3	17.9
12H	4H	15.4	16.1	15.8	16.6	17.0	15.2	15.9	15.7	16.4	16.9
	6H	16.1	16.7	16.6	17.1	17.7	16.0	16.6	16.5	17.0	17.6
	8H	16.4	16.9	16.9	17.4	18.0	16.2	16.8	16.8	17.3	17.8

(END OF REPORT)