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: P1471684

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471684
	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-W
Description:	2000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	1847.3 lumens
Efficiency:	N/A
Efficacy:	122.3 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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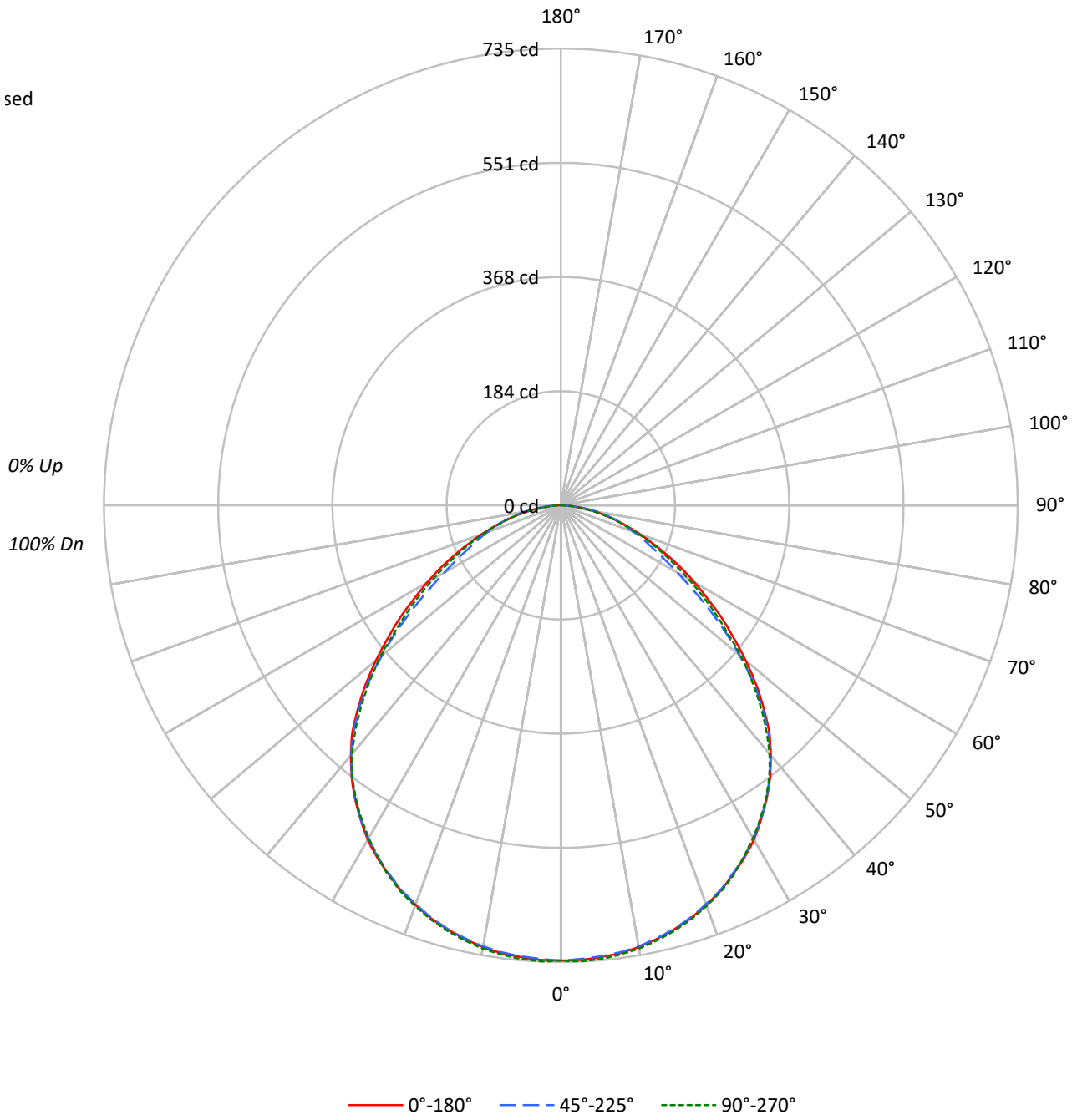
Luminous Intensity Polar Plot



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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°	1972	1972	1972
5°	1972	1969	1980
10°	1972	1969	1979
15°	1968	1965	1974
20°	1959	1956	1964
25°	1945	1942	1950
30°	1931	1924	1921
35°	1896	1894	1891
40°	1846	1843	1835
45°	1756	1742	1725
50°	1625	1570	1588
55°	1483	1362	1424
60°	1337	1163	1275
65°	1195	1040	1147
70°	1060	983	1031
75°	938	953	919
80°	809	911	804
85°	605	719	605

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1759 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.5	3.8
10°-20°	199.5	10.8
20°-30°	302.0	16.3
30°-40°	360.1	19.5
40°-50°	351.8	19.0
50°-60°	269.0	14.6
60°-70°	172.7	9.4
70°-80°	96.1	5.2
80°-90°	26.5	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°	571.0	30.9
0°-40°	931.1	50.4
0°-60°	1551.9	84.0
0°-90°	1847.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1847.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	733	733	733	733	733	
5°	730	731	729	732	733	69
15°	706	707	706	708	709	199
25°	655	656	654	656	657	302
35°	577	578	577	576	576	361
45°	461	462	458	457	453	355
55°	316	305	290	294	304	282
65°	188	173	163	169	180	187
75°	90	91	92	90	88	96
85°	20	23	23	23	20	24
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	732.7	732.7	732.7	732.7	*732.7*
2.5°	*732.3*	*732.5*	*730.6*	*733.8*	*734.8*
5°	730.2	730.6	728.8	732.3	*733.0*
7.5°	727.0	727.5	725.7	729.1	*729.4*
10°	721.8	722.1	720.5	723.9	*724.4*
12.5°	714.7	715.5	713.7	716.8	*717.0*
15°	706.3	706.8	705.5	707.9	*708.6*
17.5°	696.4	696.6	695.3	697.9	*698.2*
20°	684.0	684.0	682.9	685.9	*685.9*
22.5°	671.4	670.6	670.4	671.4	*673.0*
25°	655.2	656.0	654.2	656.3	*656.7*
27.5°	639.5	639.5	637.9	638.9	*637.6*
30°	621.4	620.4	619.3	619.5	*618.3*
32.5°	599.6	599.6	599.1	599.1	*597.5*
35°	577.1	577.6	576.6	576.3	*575.5*
37.5°	553.0	553.8	551.9	551.4	*550.9*
40°	525.4	525.4	524.7	523.6	*522.3*
42.5°	496.9	496.9	493.5	490.9	*489.1*
45°	461.3	462.3	457.8	456.8	*453.2*
47.5°	425.8	425.1	419.1	418.3	*416.2*
50°	388.1	383.6	375.1	377.4	*379.3*
52.5°	350.4	344.9	332.3	334.9	*338.0*
55°	316.0	305.1	290.4	294.0	*303.5*
57.5°	280.1	265.5	250.8	257.7	*269.4*
60°	248.4	232.0	216.0	223.3	*236.9*
62.5°	218.1	200.5	187.7	194.7	*206.3*
65°	187.7	173.2	163.3	168.7	*180.1*
67.5°	159.9	150.2	143.4	146.0	*155.1*
70°	134.7	128.6	125.0	125.8	*131.0*
72.5°	110.8	109.3	108.0	108.0	*108.5*
75°	90.2	90.9	91.7	90.5	*88.4*
77.5°	71.0	73.6	75.5	72.8	*70.3*
80°	52.2	56.4	58.8	55.8	*51.9*
82.5°	35.6	40.4	41.1	39.3	*34.9*
85°	19.6	23.0	23.3	22.6	*19.6*
87.5°	7.3	8.7	9.4	8.7	*7.6*
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	12.8	14.4	13.2	14.7	15.0	12.6	14.2	13.0	14.5	14.8
	3H	14.3	15.7	14.6	16.0	16.4	14.1	15.5	14.4	15.8	16.1
	4H	14.8	16.1	15.2	16.5	16.8	14.6	15.9	15.0	16.3	16.7
	6H	15.2	16.4	15.6	16.8	17.2	15.0	16.2	15.4	16.6	17.0
	8H	15.3	16.5	15.7	16.9	17.3	15.1	16.3	15.6	16.7	17.1
	12H	15.4	16.5	15.8	16.9	17.3	15.2	16.3	15.6	16.7	17.1
4H	2H	13.2	14.5	13.6	14.9	15.3	13.0	14.3	13.4	14.7	15.1
	3H	14.9	16.0	15.3	16.4	16.8	14.7	15.8	15.1	16.2	16.6
	4H	15.6	16.6	16.0	17.0	17.4	15.4	16.4	15.9	16.8	17.3
	6H	16.1	17.0	16.6	17.4	17.9	16.0	16.8	16.4	17.3	17.7
	8H	16.3	17.1	16.8	17.5	18.0	16.2	17.0	16.6	17.4	17.9
	12H	16.4	17.1	16.9	17.6	18.1	16.3	17.0	16.7	17.5	17.9
8H	4H	15.9	16.7	16.3	17.1	17.6	15.7	16.5	16.2	17.0	17.4
	6H	16.5	17.2	17.0	17.7	18.2	16.4	17.1	16.9	17.6	18.0
	8H	16.8	17.4	17.3	17.9	18.4	16.6	17.2	17.2	17.7	18.2
	12H	16.9	17.5	17.4	18.0	18.5	16.8	17.3	17.3	17.8	18.4
12H	4H	15.9	16.6	16.4	17.1	17.5	15.7	16.5	16.2	16.9	17.4
	6H	16.6	17.2	17.1	17.6	18.2	16.5	17.1	17.0	17.5	18.1
	8H	16.9	17.4	17.4	17.9	18.5	16.8	17.3	17.3	17.8	18.3

(END OF REPORT)