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: P1471696

Luminaire Tested: 22PTR-25-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471696
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	22PTR-25-L835-UNV-STD-W
Description:	2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2409.2 lumens
Efficiency:	N/A
Efficacy:	127.5 lumens/watt
Spacing Criteria (0/90/45):	1.27 / 1.21 / 1.35
Luminous Opening:	Rectangular (W 2' x L: 2' x H: 0')
CIE Type:	Direct
Input Watts (W):	18.9
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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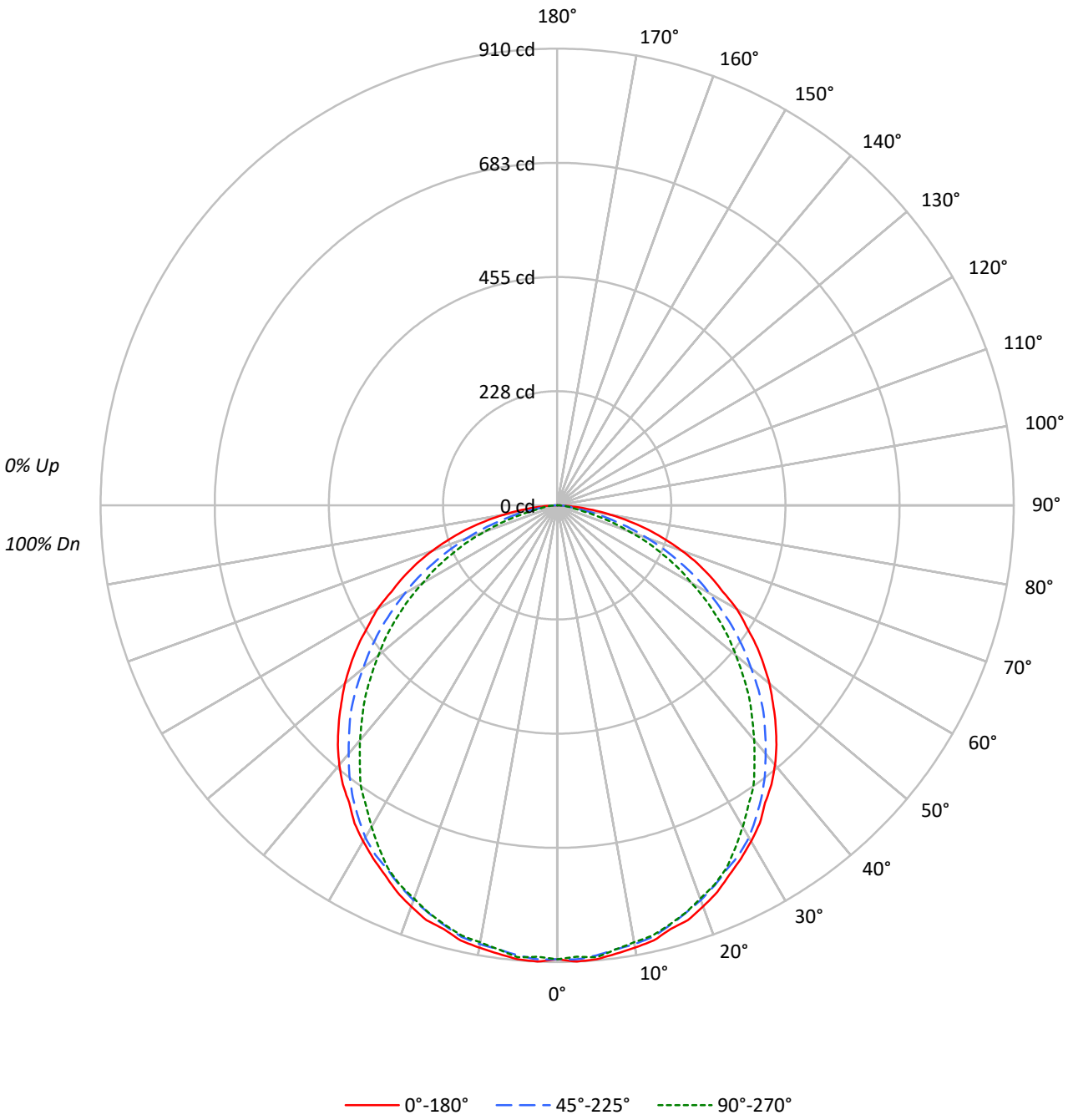
Luminous Intensity Polar Plot



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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	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2434	2434	2434
5°	2452	2432	2442
10°	2445	2426	2416
15°	2434	2415	2410
20°	2436	2397	2388
25°	2412	2377	2369
30°	2402	2375	2298
35°	2375	2332	2242
40°	2373	2271	2146
45°	2343	2212	2060
50°	2312	2113	1948
55°	2267	2014	1830
60°	2227	1885	1661
65°	2151	1729	1486
70°	2081	1504	1212
75°	1955	1187	835
80°	1695	717	501
85°	1130	516	482

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2343 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	3.6
10°-20°	245.3	10.2
20°-30°	370.6	15.4
30°-40°	440.6	18.3
40°-50°	446.9	18.5
50°-60°	388.0	16.1
60°-70°	275.5	11.4
70°-80°	131.6	5.5
80°-90°	25.0	1.0
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°	701.6	29.1
0°-40°	1142.3	47.4
0°-60°	1977.2	82.1
0°-90°	2409.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2409.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	904	904	904	904	904	
5°	908	904	900	902	904	86
15°	874	876	867	866	865	248
25°	812	811	800	804	798	375
35°	723	722	710	686	682	454
45°	616	610	581	550	541	475
55°	483	469	429	404	390	432
65°	338	312	272	242	233	335
75°	188	154	114	90	80	197
85°	37	19	17	16	16	46
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*904.5*	904.5	904.5	904.5	904.5
2.5°	*909.9*	*906.6*	*905.5*	*909.3*	*900.2*
5°	*907.7*	904.5	900.2	902.3	903.9
7.5°	*901.2*	898.5	892.6	897.5	892.6
10°	*894.8*	892.1	887.8	889.4	884.0
12.5°	*888.3*	881.8	880.8	881.8	878.1
15°	*873.8*	875.9	866.8	865.7	865.1
17.5°	*866.8*	861.4	851.7	852.2	851.1
20°	*850.6*	844.1	837.1	836.1	833.9
22.5°	*833.9*	826.4	819.9	823.1	818.3
25°	*812.4*	811.3	800.5	803.7	797.8
27.5°	*793.5*	789.7	784.9	777.9	769.3
30°	*773.0*	769.3	764.4	746.1	739.6
32.5°	*751.5*	747.2	737.5	715.9	708.9
35°	*722.9*	721.8	710.0	685.8	682.5
37.5°	*701.4*	689.5	679.8	655.1	645.9
40°	*675.5*	669.1	646.4	622.7	610.9
42.5°	*647.0*	639.4	613.6	588.3	575.3
45°	*615.7*	610.3	581.3	550.5	541.4
47.5°	*583.4*	578.6	544.1	514.5	502.6
50°	*552.2*	546.2	504.8	476.2	465.4
52.5°	*518.2*	508.5	467.6	439.6	429.3
55°	*483.2*	468.7	429.3	404.0	390.0
57.5°	*446.0*	432.6	388.9	362.5	351.2
60°	*413.7*	394.9	350.2	323.2	308.7
62.5°	*372.2*	356.1	313.5	281.7	274.7
65°	*337.8*	312.4	271.5	242.4	233.3
67.5°	*302.7*	273.1	231.6	202.0	197.2
70°	*264.5*	233.8	191.2	162.1	154.1
72.5°	*225.7*	195.5	154.1	123.4	118.5
75°	*188.0*	153.5	114.2	90.5	80.3
77.5°	*147.1*	115.8	80.3	55.5	49.0
80°	*109.4*	78.1	46.3	32.9	32.3
82.5°	*71.6*	45.3	24.8	25.3	24.2
85°	*36.6*	19.4	16.7	16.2	15.6
87.5°	*7.0*	7.5	8.1	8.1	8.1
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	15.2	16.8	15.6	17.1	17.5	13.9	15.5	14.3	15.8	16.1
	3H	17.1	18.5	17.4	18.8	19.2	15.2	16.6	15.6	17.0	17.3
	4H	17.8	19.1	18.2	19.5	19.8	15.5	16.8	15.9	17.2	17.6
	6H	18.2	19.5	18.6	19.9	20.2	15.6	16.8	16.0	17.2	17.6
	8H	18.4	19.6	18.8	20.0	20.4	15.6	16.8	16.0	17.1	17.5
	12H	18.4	19.6	18.9	20.0	20.4	15.6	16.7	16.0	17.1	17.5
4H	2H	15.6	17.0	16.0	17.4	17.7	14.6	15.9	15.0	16.3	16.7
	3H	17.7	18.8	18.1	19.2	19.6	16.0	17.1	16.4	17.5	17.9
	4H	18.5	19.5	18.9	19.9	20.3	16.4	17.4	16.8	17.8	18.2
	6H	19.1	19.9	19.5	20.4	20.8	16.5	17.4	16.9	17.8	18.3
	8H	19.2	20.0	19.7	20.5	21.0	16.5	17.3	17.0	17.8	18.3
	12H	19.3	20.1	19.8	20.5	21.0	16.5	17.3	17.0	17.8	18.2
8H	4H	18.6	19.4	19.0	19.8	20.3	16.6	17.5	17.1	17.9	18.4
	6H	19.2	19.9	19.7	20.4	20.8	16.8	17.5	17.3	18.0	18.4
	8H	19.4	20.0	19.9	20.5	21.0	16.8	17.4	17.3	18.0	18.4
	12H	19.5	20.1	20.0	20.6	21.1	16.9	17.4	17.4	17.9	18.5
12H	4H	18.5	19.3	19.0	19.8	20.2	16.7	17.4	17.1	17.9	18.4
	6H	19.2	19.8	19.7	20.3	20.8	16.8	17.4	17.3	17.9	18.4
	8H	19.4	19.9	19.9	20.4	21.0	16.9	17.4	17.4	17.9	18.5

(END OF REPORT)