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: P1471702

Luminaire Tested: 22PTR-25S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471702
	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-25S-PL1-L835-UNV-STD-W
Description:	2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2318.2 lumens
Efficiency:	N/A
Efficacy:	122.7 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):	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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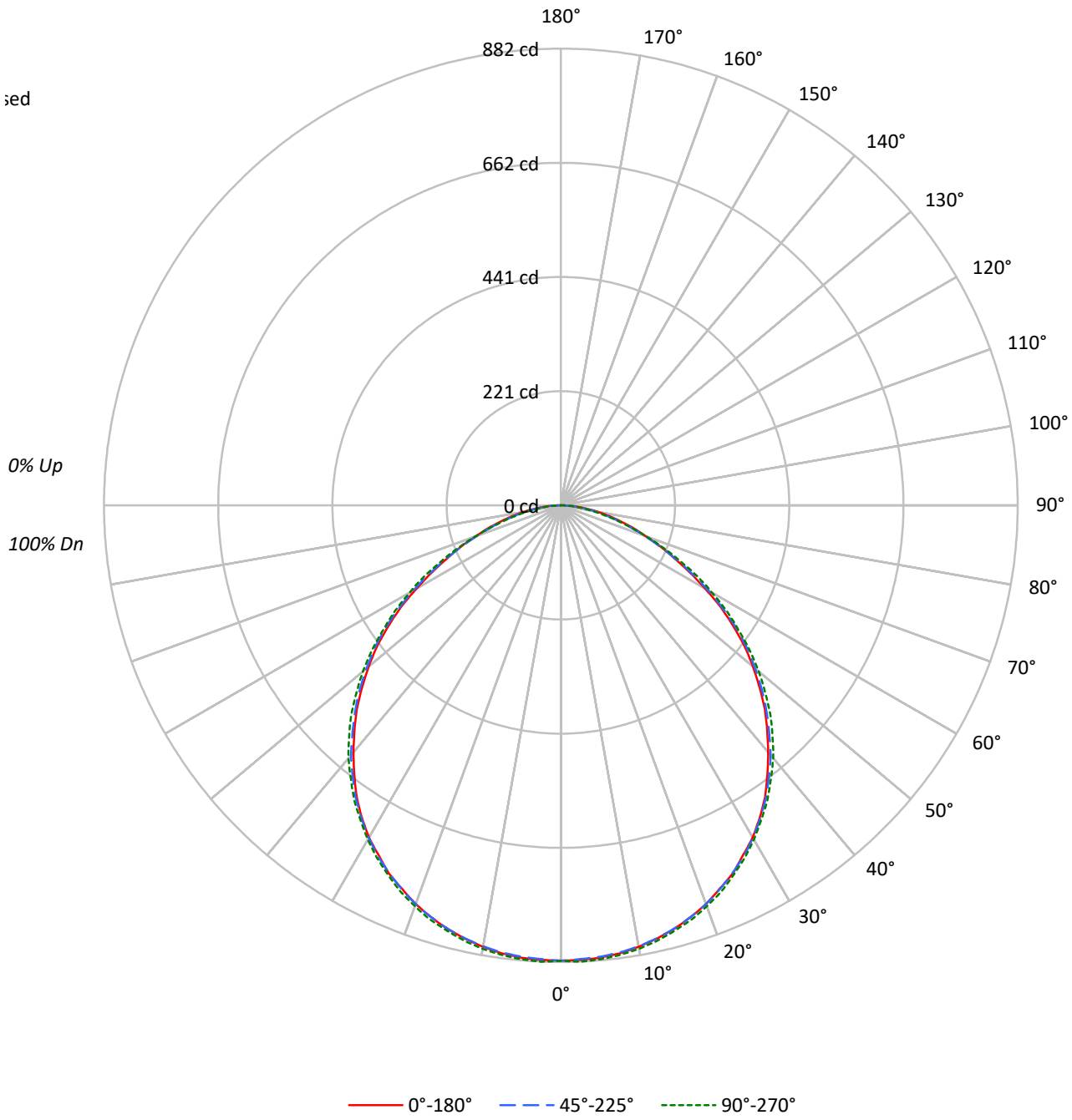
Luminous Intensity Polar Plot



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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	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°	2366	2366	2366
5°	2368	2364	2377
10°	2366	2363	2376
15°	2358	2357	2369
20°	2346	2346	2360
25°	2331	2328	2340
30°	2301	2304	2316
35°	2258	2266	2284
40°	2187	2213	2241
45°	2119	2136	2178
50°	2026	2048	2088
55°	1908	1939	1962
60°	1731	1767	1812
65°	1537	1554	1616
70°	1374	1346	1379
75°	1239	1169	1145
80°	1127	1046	928
85°	954	868	747

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 2178 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	3.6
10°-20°	239.3	10.3
20°-30°	361.9	15.6
30°-40°	431.4	18.6
40°-50°	433.8	18.7
50°-60°	368.2	15.9
60°-70°	245.1	10.6
70°-80°	122.4	5.3
80°-90°	32.8	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°	684.6	29.5
0°-40°	1116.0	48.1
0°-60°	1917.9	82.7
0°-90°	2318.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2318.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	877	877	875	879	880	83
15°	846	848	846	850	850	239
25°	785	785	784	788	788	361
35°	687	688	690	695	695	429
45°	557	558	561	569	572	428
55°	407	410	413	417	418	362
65°	241	243	244	248	254	242
75°	119	118	112	110	110	128
85°	31	30	28	26	24	36
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.4	879.4	879.4	879.4	*879.4*
2.5°	*878.7*	*879.4*	*877.1*	*881.3*	*882.4*
5°	876.8	877.1	875.2	879.1	*880.0*
7.5°	872.6	872.9	870.9	875.2	*875.8*
10°	865.7	866.4	864.8	868.7	*869.6*
12.5°	857.0	857.9	856.2	860.5	*861.2*
15°	846.5	847.5	846.2	849.7	*850.4*
17.5°	833.7	834.5	833.7	837.1	*839.0*
20°	819.4	819.4	819.4	822.4	*824.0*
22.5°	801.5	803.2	802.5	806.4	*808.1*
25°	785.0	785.0	783.9	787.6	*788.2*
27.5°	761.8	764.4	764.1	767.3	*768.0*
30°	740.6	741.3	741.6	743.9	*745.2*
32.5°	714.9	715.5	716.5	719.7	*720.1*
35°	687.2	687.9	689.8	694.6	*695.3*
37.5°	655.0	658.5	660.2	665.4	*666.0*
40°	622.6	624.9	629.9	635.3	*637.9*
42.5°	589.7	592.3	595.3	602.8	*605.1*
45°	556.8	557.8	561.4	568.9	*572.2*
47.5°	520.4	523.3	526.5	533.0	*535.0*
50°	483.9	487.1	489.1	494.9	*498.8*
52.5°	447.1	450.0	452.3	455.8	*459.7*
55°	406.7	409.5	413.2	417.1	*418.1*
57.5°	365.6	368.8	371.2	375.3	*379.6*
60°	321.6	325.2	328.4	332.3	*336.6*
62.5°	280.6	282.1	285.5	292.0	*298.1*
65°	241.4	243.4	244.0	247.7	*253.8*
67.5°	208.9	208.9	205.9	207.2	*214.1*
70°	174.6	173.3	171.1	169.8	*175.3*
72.5°	146.9	145.3	140.4	138.2	*141.1*
75°	119.2	117.6	112.4	109.8	*110.1*
77.5°	95.8	93.2	88.9	84.4	*83.5*
80°	72.7	71.6	67.5	63.2	*59.9*
82.5°	51.5	49.3	46.9	44.3	*41.7*
85°	30.9	30.3	28.1	26.4	*24.2*
87.5°	12.7	12.7	12.1	11.4	*10.8*
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	14.2	15.8	14.6	16.1	16.4	14.3	15.9	14.7	16.3	16.6
	3H	15.6	17.0	16.0	17.3	17.7	15.7	17.1	16.1	17.4	17.8
	4H	16.1	17.4	16.5	17.8	18.2	16.1	17.5	16.5	17.8	18.2
	6H	16.5	17.7	16.9	18.1	18.5	16.4	17.6	16.8	18.0	18.4
	8H	16.6	17.8	17.0	18.2	18.6	16.5	17.7	16.9	18.0	18.4
	12H	16.7	17.8	17.1	18.2	18.6	16.5	17.6	16.9	18.0	18.5
4H	2H	14.7	16.0	15.1	16.4	16.8	14.8	16.2	15.2	16.5	16.9
	3H	16.3	17.4	16.7	17.8	18.2	16.3	17.5	16.8	17.9	18.3
	4H	16.9	17.9	17.3	18.3	18.8	16.9	17.9	17.3	18.3	18.7
	6H	17.4	18.3	17.9	18.7	19.2	17.3	18.1	17.7	18.6	19.0
	8H	17.6	18.4	18.0	18.8	19.3	17.4	18.2	17.8	18.6	19.1
	12H	17.7	18.4	18.2	18.9	19.4	17.5	18.2	17.9	18.7	19.1
8H	4H	17.1	17.9	17.6	18.4	18.8	17.1	17.9	17.5	18.4	18.8
	6H	17.7	18.4	18.2	18.9	19.4	17.6	18.3	18.1	18.7	19.2
	8H	18.0	18.6	18.5	19.1	19.6	17.7	18.4	18.3	18.9	19.4
	12H	18.2	18.7	18.7	19.2	19.8	17.9	18.4	18.4	18.9	19.5
12H	4H	17.1	17.9	17.6	18.3	18.8	17.1	17.8	17.6	18.3	18.8
	6H	17.8	18.4	18.3	18.8	19.4	17.6	18.2	18.1	18.7	19.2
	8H	18.0	18.6	18.6	19.1	19.6	17.8	18.4	18.3	18.9	19.4

(END OF REPORT)