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: P1471701

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471701
	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-B
Description:	2500 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:	2000.9 lumens
Efficiency:	N/A
Efficacy:	105.9 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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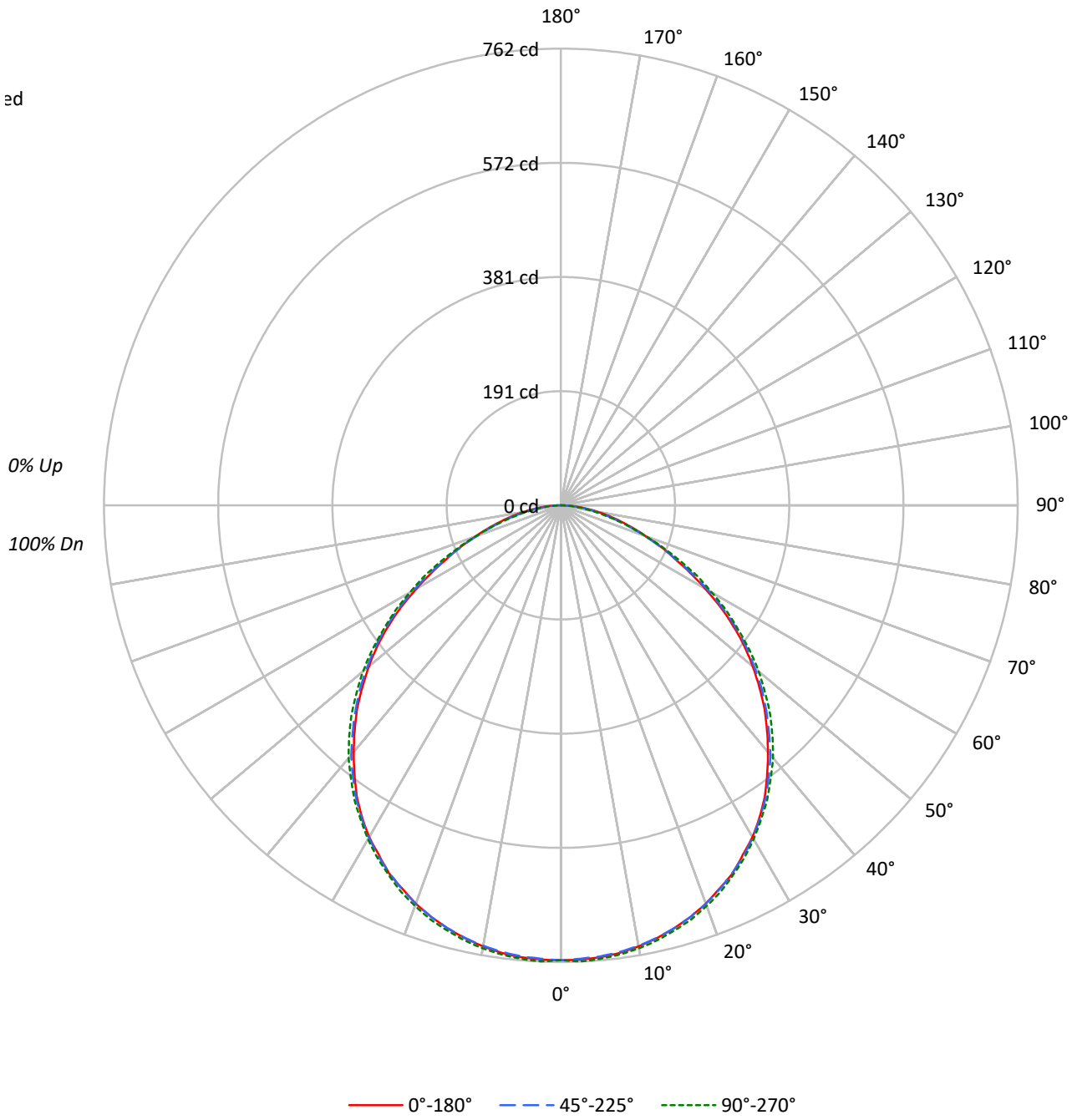
Luminous Intensity Polar Plot



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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°	2043	2043	2043
5°	2045	2041	2052
10°	2042	2040	2051
15°	2036	2035	2045
20°	2025	2025	2037
25°	2012	2009	2020
30°	1986	1989	1999
35°	1948	1956	1972
40°	1888	1910	1934
45°	1829	1844	1880
50°	1749	1768	1802
55°	1647	1673	1693
60°	1494	1526	1563
65°	1327	1341	1395
70°	1186	1162	1191
75°	1070	1009	988
80°	972	903	801
85°	824	747	642

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 1880 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	3.6
10°-20°	206.5	10.3
20°-30°	312.4	15.6
30°-40°	372.4	18.6
40°-50°	374.4	18.7
50°-60°	317.8	15.9
60°-70°	211.6	10.6
70°-80°	105.6	5.3
80°-90°	28.3	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°	590.9	29.5
0°-40°	963.3	48.1
0°-60°	1655.5	82.7
0°-90°	2000.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2000.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	759	759	759	759	759	
5°	757	757	755	759	760	72
15°	731	732	730	734	734	206
25°	678	678	677	680	680	312
35°	593	594	595	600	600	370
45°	481	481	485	491	494	370
55°	351	354	357	360	361	313
65°	208	210	211	214	219	209
75°	103	102	97	95	95	111
85°	27	26	24	23	21	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	759.1	759.1	759.1	759.1	*759.1*
2.5°	*758.5*	*759.1*	*757.1*	*760.7*	*761.7*
5°	756.9	757.1	755.4	758.8	*759.6*
7.5°	753.2	753.5	751.7	755.4	*755.9*
10°	747.2	747.9	746.4	749.8	*750.6*
12.5°	739.7	740.5	739.1	742.7	*743.4*
15°	730.7	731.5	730.4	733.5	*734.1*
17.5°	719.7	720.3	719.7	722.5	*724.2*
20°	707.3	707.3	707.3	709.8	*711.3*
22.5°	691.9	693.3	692.7	696.0	*697.5*
25°	677.5	677.5	676.6	679.8	*680.3*
27.5°	657.5	659.8	659.6	662.3	*662.9*
30°	639.2	639.8	640.1	642.1	*643.2*
32.5°	617.1	617.6	618.5	621.2	*621.5*
35°	593.1	593.8	595.4	599.6	*600.2*
37.5°	565.3	568.4	569.8	574.3	*574.8*
40°	537.4	539.4	543.7	548.4	*550.6*
42.5°	509.0	511.3	513.8	520.3	*522.3*
45°	480.6	481.4	484.6	491.0	*493.9*
47.5°	449.1	451.7	454.5	460.1	*461.8*
50°	417.7	420.4	422.2	427.2	*430.5*
52.5°	385.9	388.4	390.4	393.4	*396.8*
55°	351.0	353.5	356.7	360.0	*360.8*
57.5°	315.6	318.3	320.4	324.0	*327.6*
60°	277.6	280.7	283.5	286.9	*290.5*
62.5°	242.2	243.5	246.4	252.0	*257.3*
65°	208.4	210.1	210.6	213.8	*219.1*
67.5°	180.3	180.3	177.7	178.8	*184.8*
70°	150.7	149.6	147.7	146.5	*151.4*
72.5°	126.8	125.4	121.2	119.3	*121.8*
75°	102.9	101.5	97.0	94.7	*95.0*
77.5°	82.7	80.4	76.7	72.9	*72.0*
80°	62.7	61.8	58.3	54.6	*51.7*
82.5°	44.5	42.5	40.5	38.2	*36.0*
85°	26.7	26.2	24.2	22.8	*20.8*
87.5°	10.9	10.9	10.4	9.8	*9.3*
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	13.7	15.3	14.1	15.6	15.9	13.8	15.4	14.2	15.7	16.1
	3H	15.1	16.5	15.4	16.8	17.2	15.2	16.6	15.5	16.9	17.3
	4H	15.6	16.9	16.0	17.3	17.6	15.6	16.9	16.0	17.3	17.7
	6H	16.0	17.2	16.4	17.6	18.0	15.9	17.1	16.3	17.5	17.9
	8H	16.1	17.3	16.5	17.7	18.1	16.0	17.1	16.4	17.5	17.9
	12H	16.2	17.3	16.6	17.7	18.1	16.0	17.1	16.4	17.5	17.9
4H	2H	14.2	15.5	14.6	15.9	16.3	14.3	15.7	14.7	16.0	16.4
	3H	15.8	16.9	16.2	17.3	17.7	15.8	17.0	16.2	17.3	17.7
	4H	16.4	17.4	16.8	17.8	18.3	16.4	17.4	16.8	17.8	18.2
	6H	16.9	17.8	17.4	18.2	18.7	16.8	17.6	17.2	18.1	18.5
	8H	17.1	17.9	17.5	18.3	18.8	16.9	17.7	17.3	18.1	18.6
	12H	17.2	17.9	17.7	18.4	18.9	16.9	17.7	17.4	18.2	18.6
8H	4H	16.6	17.4	17.1	17.9	18.3	16.6	17.4	17.0	17.8	18.3
	6H	17.2	17.9	17.7	18.4	18.9	17.1	17.7	17.6	18.2	18.7
	8H	17.5	18.1	18.0	18.6	19.1	17.2	17.9	17.7	18.4	18.8
	12H	17.6	18.2	18.2	18.7	19.2	17.4	17.9	17.9	18.4	19.0
12H	4H	16.6	17.4	17.1	17.8	18.3	16.6	17.3	17.1	17.8	18.3
	6H	17.3	17.9	17.8	18.3	18.9	17.1	17.7	17.6	18.2	18.7
	8H	17.5	18.1	18.0	18.6	19.1	17.3	17.9	17.8	18.4	18.9

(END OF REPORT)