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: P1471695

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

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471695
	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-B
Description:	2500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens Black Recessed Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2079.5 lumens
Efficiency:	N/A
Efficacy:	110.0 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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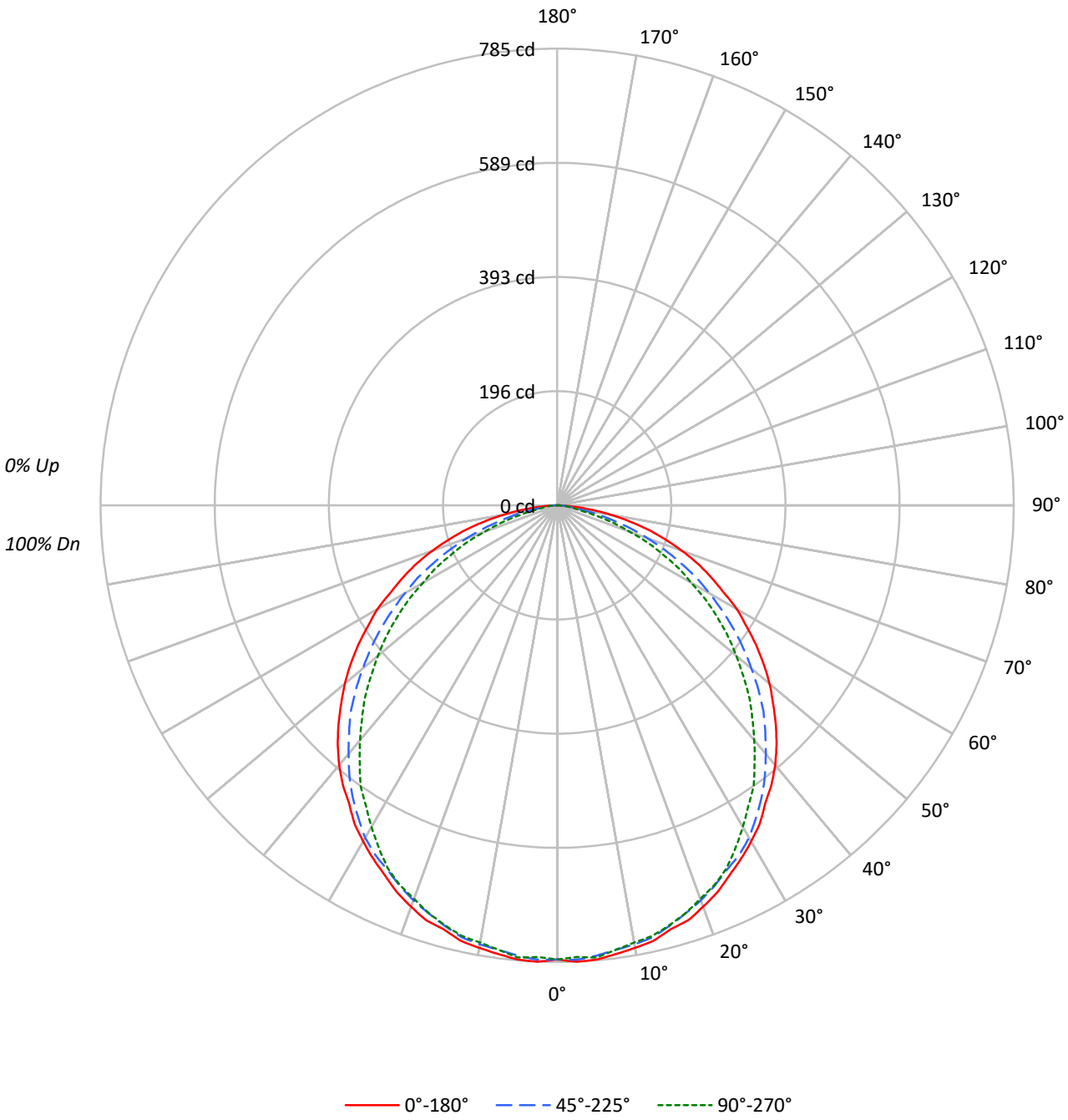
Luminous Intensity Polar Plot



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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°	2101	2101	2101
5°	2116	2099	2108
10°	2110	2094	2085
15°	2101	2084	2081
20°	2103	2069	2061
25°	2082	2052	2045
30°	2073	2050	1984
35°	2050	2013	1935
40°	2048	1960	1852
45°	2023	1909	1778
50°	1995	1824	1682
55°	1957	1739	1579
60°	1922	1626	1434
65°	1856	1492	1282
70°	1796	1299	1046
75°	1687	1025	721
80°	1463	620	432
85°	976	445	417

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2023 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	3.6
10°-20°	211.8	10.2
20°-30°	319.9	15.4
30°-40°	380.3	18.3
40°-50°	385.7	18.5
50°-60°	334.9	16.1
60°-70°	237.8	11.4
70°-80°	113.6	5.5
80°-90°	21.5	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°	605.6	29.1
0°-40°	985.9	47.4
0°-60°	1706.6	82.1
0°-90°	2079.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2079.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	784	781	777	779	780	74
15°	754	756	748	747	747	214
25°	701	700	691	694	689	324
35°	624	623	613	592	589	392
45°	532	527	502	475	467	410
55°	417	404	371	349	337	373
65°	292	270	234	209	201	289
75°	162	132	99	78	69	170
85°	32	17	14	14	14	40
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*780.7*	780.7	780.7	780.7	780.7
2.5°	*785.3*	*782.6*	*781.6*	*784.9*	*777.0*
5°	*783.5*	780.7	777.0	778.8	780.2
7.5°	*777.9*	775.6	770.5	774.7	770.5
10°	*772.3*	770.0	766.3	767.7	763.0
12.5°	*766.7*	761.2	760.2	761.2	757.9
15°	*754.2*	756.1	748.1	747.2	746.8
17.5°	*748.1*	743.5	735.1	735.6	734.7
20°	*734.2*	728.6	722.6	721.6	719.8
22.5°	*719.8*	713.3	707.7	710.5	706.3
25°	*701.2*	700.3	691.0	693.7	688.6
27.5°	*684.9*	681.7	677.5	671.4	664.0
30°	*667.2*	664.0	659.8	644.0	638.4
32.5°	*648.6*	644.9	636.6	618.0	611.9
35°	*624.0*	623.1	612.8	591.9	589.1
37.5°	*605.4*	595.2	586.8	565.4	557.5
40°	*583.1*	577.5	558.0	537.5	527.3
42.5°	*558.4*	551.9	529.6	507.8	496.6
45°	*531.5*	526.8	501.7	475.2	467.3
47.5°	*503.6*	499.4	469.6	444.1	433.8
50°	*476.6*	471.5	435.7	411.0	401.7
52.5°	*447.3*	438.9	403.6	379.4	370.6
55°	*417.1*	404.5	370.6	348.7	336.6
57.5°	*385.0*	373.4	335.7	312.9	303.2
60°	*357.1*	340.8	302.2	279.0	266.4
62.5°	*321.3*	307.4	270.6	243.2	237.1
65°	*291.5*	269.7	234.3	209.2	201.3
67.5°	*261.3*	235.7	199.9	174.4	170.2
70°	*228.3*	201.8	165.1	140.0	133.0
72.5°	*194.8*	168.8	133.0	106.5	102.3
75°	*162.3*	132.5	98.6	78.1	69.3
77.5°	*126.9*	100.0	69.3	47.9	42.3
80°	*94.4*	67.4	40.0	28.4	27.9
82.5°	*61.8*	39.1	21.4	21.9	20.9
85°	*31.6*	16.7	14.4	13.9	13.5
87.5°	*6.0*	6.5	7.0	7.0	7.0
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	14.7	16.3	15.1	16.6	16.9	13.4	15.0	13.8	15.3	15.6
	3H	16.6	18.0	16.9	18.3	18.7	14.7	16.1	15.1	16.4	16.8
	4H	17.2	18.6	17.6	18.9	19.3	15.0	16.3	15.4	16.7	17.0
	6H	17.7	19.0	18.1	19.3	19.7	15.0	16.3	15.5	16.7	17.1
	8H	17.9	19.1	18.3	19.4	19.8	15.1	16.2	15.5	16.6	17.0
	12H	17.9	19.1	18.4	19.5	19.9	15.1	16.2	15.5	16.6	17.0
4H	2H	15.1	16.5	15.5	16.8	17.2	14.1	15.4	14.5	15.8	16.1
	3H	17.2	18.3	17.6	18.7	19.1	15.5	16.6	15.9	17.0	17.4
	4H	18.0	19.0	18.4	19.4	19.8	15.9	16.9	16.3	17.3	17.7
	6H	18.5	19.4	19.0	19.9	20.3	16.0	16.9	16.4	17.3	17.8
	8H	18.7	19.5	19.2	20.0	20.4	16.0	16.8	16.5	17.3	17.7
	12H	18.8	19.5	19.3	20.0	20.5	16.0	16.8	16.5	17.2	17.7
8H	4H	18.1	18.9	18.5	19.3	19.8	16.1	17.0	16.6	17.4	17.9
	6H	18.7	19.4	19.2	19.9	20.3	16.3	17.0	16.8	17.5	17.9
	8H	18.9	19.5	19.4	20.0	20.5	16.3	16.9	16.8	17.4	17.9
	12H	19.0	19.6	19.5	20.1	20.6	16.4	16.9	16.9	17.4	18.0
12H	4H	18.0	18.8	18.5	19.3	19.7	16.2	16.9	16.6	17.4	17.8
	6H	18.7	19.3	19.2	19.7	20.3	16.3	16.9	16.8	17.4	17.9
	8H	18.9	19.4	19.4	19.9	20.5	16.4	16.9	16.9	17.4	18.0

(END OF REPORT)