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: P1471786

Luminaire Tested: 24PTR-35S-PP3-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471786
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-35S-PP3-L835-UNV-STD-W
Description:	3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PP3 Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3417.2 lumens
Efficiency:	N/A
Efficacy:	120.3 lumens/watt
Spacing Criteria (0/90/45):	1.24 / 1.24 / 1.34
Luminous Opening:	Rectangular (W 2' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	28.4
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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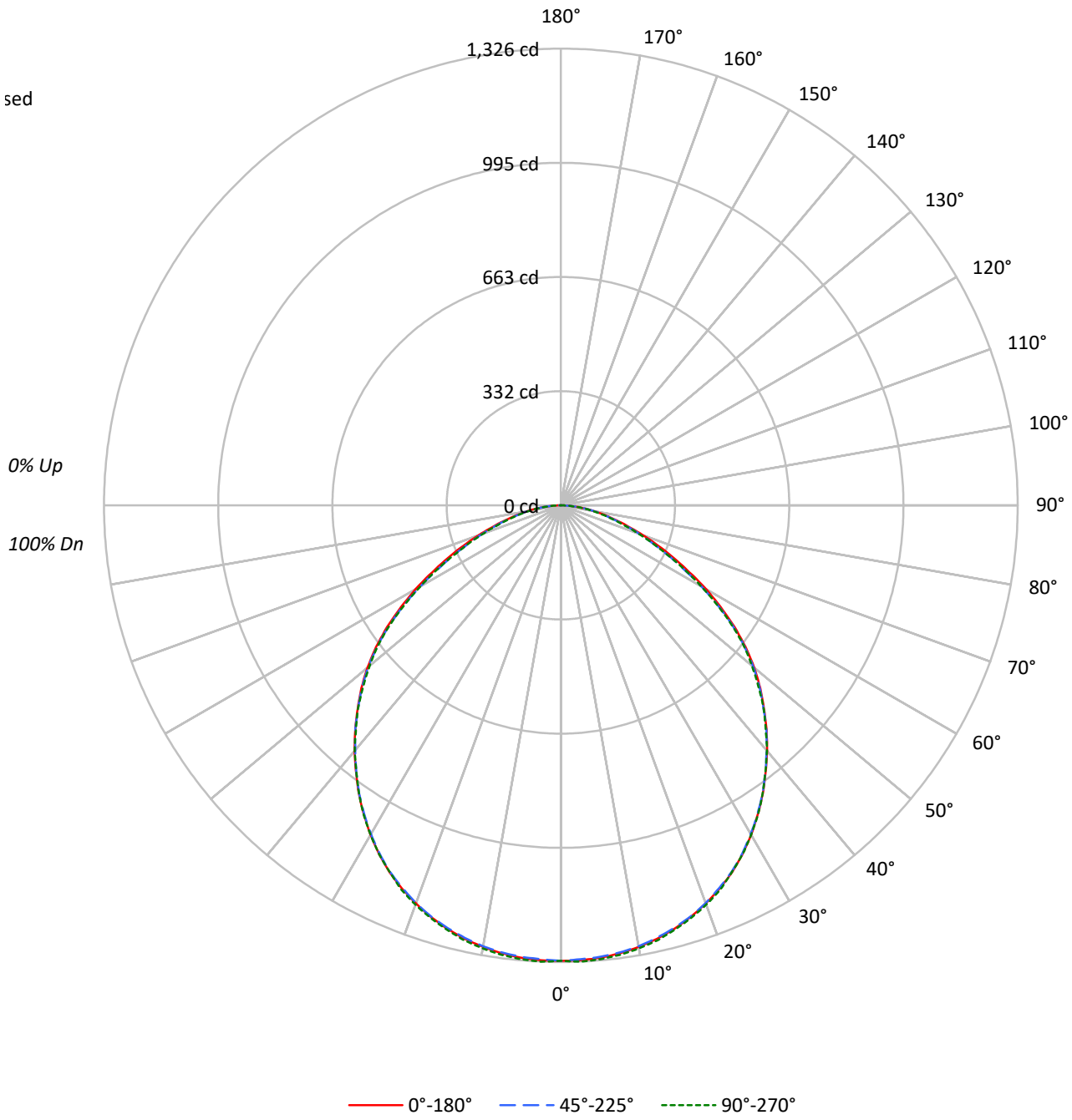
Luminous Intensity Polar Plot



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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	99	96	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1780	1780	1780
5°	1781	1777	1787
10°	1779	1776	1785
15°	1773	1769	1777
20°	1761	1760	1767
25°	1745	1743	1745
30°	1716	1713	1716
35°	1679	1676	1678
40°	1636	1631	1635
45°	1587	1582	1584
50°	1533	1526	1515
55°	1444	1427	1422
60°	1310	1266	1268
65°	1151	1093	1091
70°	995	950	939
75°	860	829	810
80°	762	752	717
85°	630	651	614

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
Vertical Angle: 45°
Luminance: 1592 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.4	3.7
10°-20°	359.3	10.5
20°-30°	541.0	15.8
30°-40°	638.5	18.7
40°-50°	642.1	18.8
50°-60°	542.1	15.9
60°-70°	348.2	10.2
70°-80°	173.2	5.1
80°-90°	47.5	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°	1025.7	30.0
0°-40°	1664.2	48.7
0°-60°	2848.5	83.4
0°-90°	3417.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3417.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1323	1323	1323	1323	1323	
5°	1319	1319	1316	1322	1323	125
15°	1273	1273	1270	1276	1276	359
25°	1176	1176	1174	1176	1175	541
35°	1022	1022	1021	1022	1022	639
45°	834	837	831	832	832	643
55°	615	615	608	606	606	547
65°	361	356	343	340	343	360
75°	166	165	159	158	156	179
85°	41	42	42	40	40	48
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1322.6	1322.6	1322.6	1322.6	*1322.6*
2.5°	*1322.1*	*1322.6*	*1319.1*	*1325.4*	*1326.4*
5°	1318.7	1319.1	1315.8	1322.1	*1322.9*
7.5°	1311.9	1312.5	1309.5	1315.3	*1316.3*
10°	1301.8	1303.4	1299.9	1305.3	*1306.2*
12.5°	1289.4	1290.0	1286.5	1292.8	*1293.8*
15°	1272.7	1273.0	1270.3	1276.0	*1276.0*
17.5°	1253.3	1253.9	1251.9	1256.8	*1256.3*
20°	1230.0	1231.4	1228.9	1232.2	*1234.1*
22.5°	1204.5	1205.0	1202.0	1206.4	*1208.3*
25°	1175.7	1176.1	1173.8	1176.1	*1175.2*
27.5°	1142.0	1142.9	1139.6	1142.0	*1142.6*
30°	1104.5	1107.0	1102.3	1104.2	*1104.5*
32.5°	1064.2	1065.6	1062.3	1062.8	*1065.3*
35°	1022.0	1022.5	1020.6	1021.5	*1021.5*
37.5°	976.5	978.4	975.5	976.8	*974.9*
40°	931.3	929.4	928.4	929.4	*930.8*
42.5°	883.7	884.2	882.8	881.8	*879.5*
45°	833.8	836.8	831.4	832.4	*832.4*
47.5°	785.0	785.3	782.5	779.6	*777.6*
50°	732.6	732.6	729.1	726.9	*723.9*
52.5°	675.4	674.5	670.7	668.3	*669.7*
55°	615.4	614.9	608.3	605.8	*606.3*
57.5°	549.7	550.7	540.6	538.1	*538.1*
60°	486.9	482.0	470.5	467.1	*471.3*
62.5°	420.9	415.2	402.8	402.8	*406.1*
65°	361.4	356.2	343.3	339.8	*342.8*
67.5°	305.8	300.9	289.0	287.1	*288.0*
70°	252.9	248.7	241.4	237.1	*238.6*
72.5°	207.4	203.6	198.7	195.4	*193.5*
75°	165.5	164.7	159.4	157.9	*155.9*
77.5°	131.0	130.7	126.3	124.4	*122.5*
80°	98.4	97.9	97.0	94.0	*92.6*
82.5°	70.1	70.1	69.6	67.2	*65.8*
85°	40.8	42.2	42.2	39.8	*39.8*
87.5°	16.4	17.3	16.4	16.4	*15.9*
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	13.2	14.8	13.6	15.1	15.5	13.1	14.7	13.4	15.0	15.3
	3H	14.5	16.0	14.9	16.3	16.7	14.3	15.7	14.7	16.1	16.4
	4H	15.0	16.3	15.4	16.7	17.1	14.7	16.1	15.1	16.4	16.8
	6H	15.3	16.6	15.7	16.9	17.3	15.1	16.3	15.5	16.7	17.1
	8H	15.4	16.6	15.9	17.0	17.4	15.2	16.3	15.6	16.7	17.1
	12H	15.5	16.6	15.9	17.0	17.4	15.2	16.4	15.7	16.7	17.2
4H	2H	13.7	15.0	14.1	15.4	15.7	13.5	14.9	13.9	15.2	15.6
	3H	15.2	16.3	15.6	16.7	17.1	15.0	16.1	15.4	16.5	16.9
	4H	15.7	16.7	16.2	17.2	17.6	15.5	16.5	16.0	16.9	17.4
	6H	16.2	17.1	16.7	17.5	18.0	16.0	16.8	16.4	17.3	17.7
	8H	16.4	17.2	16.8	17.6	18.1	16.1	16.9	16.6	17.4	17.8
	12H	16.5	17.2	16.9	17.7	18.1	16.2	16.9	16.7	17.4	17.9
8H	4H	15.9	16.8	16.4	17.2	17.7	15.7	16.6	16.2	17.0	17.5
	6H	16.5	17.2	17.0	17.7	18.1	16.3	17.0	16.8	17.4	17.9
	8H	16.7	17.3	17.2	17.8	18.3	16.5	17.1	17.0	17.6	18.1
	12H	16.9	17.4	17.4	17.9	18.5	16.7	17.2	17.2	17.7	18.2
12H	4H	16.0	16.7	16.4	17.2	17.6	15.8	16.5	16.2	17.0	17.4
	6H	16.5	17.2	17.1	17.6	18.2	16.3	16.9	16.8	17.4	17.9
	8H	16.8	17.3	17.3	17.8	18.4	16.6	17.1	17.1	17.6	18.2

(END OF REPORT)