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: P1471783

Luminaire Tested: 24PTR-35S-PLG-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471783
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2409-224-3)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-35S-PLG-L835-UNV-STD-B
Description:	3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3208.3 lumens
Efficiency:	N/A
Efficacy:	113.0 lumens/watt
Spacing Criteria (0/90/45):	1.22 / 1.22 / 1.26
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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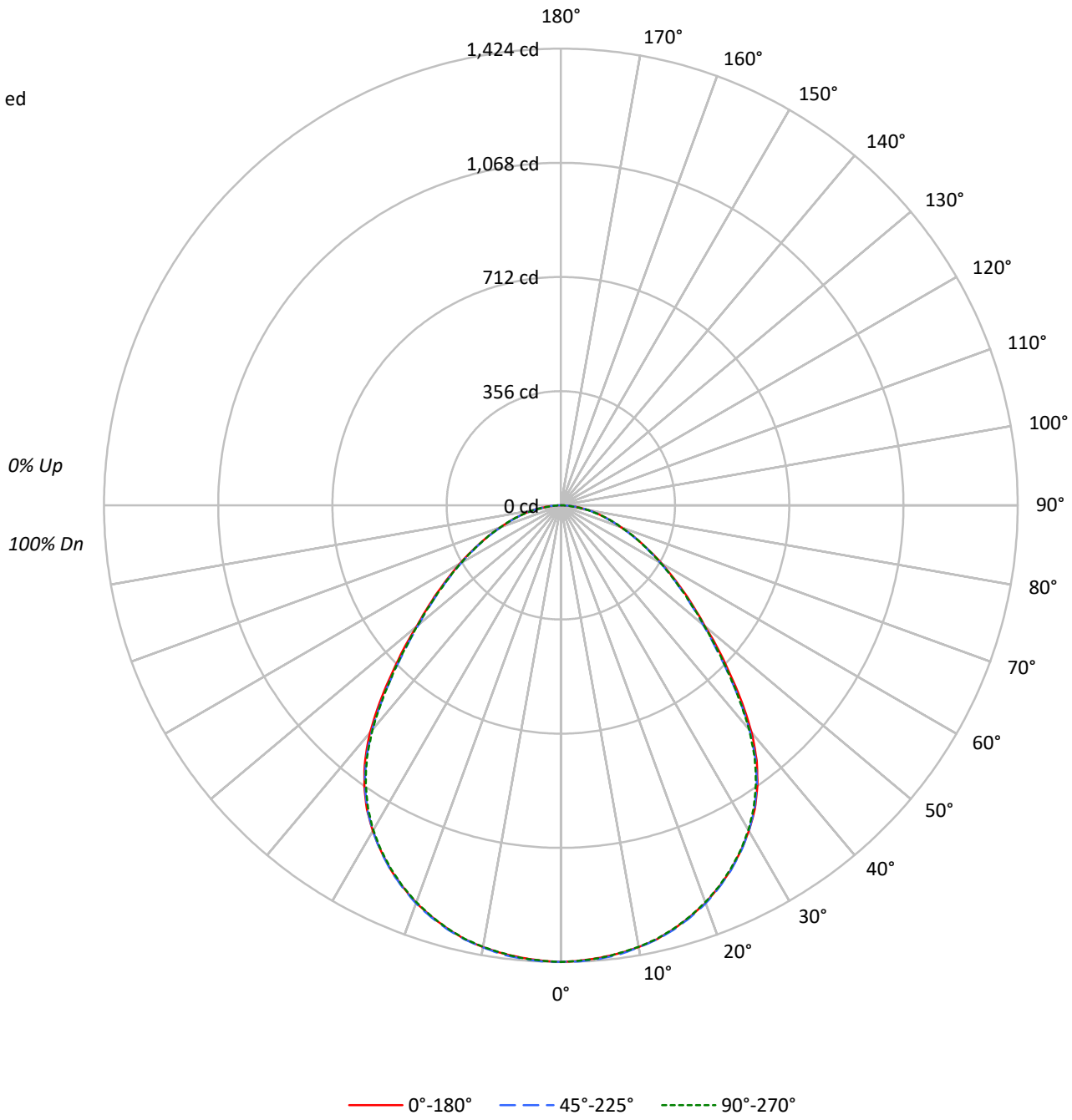
Luminous Intensity Polar Plot



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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	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	94	87	82	99	92	86	81	88	84	79	85	81	78	82	79	76	74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	69	66	64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49
6	74	61	53	47	72	60	52	47	58	51	46	57	51	46	55	50	45	43
7	69	56	48	42	67	55	47	42	54	46	41	52	46	41	51	45	41	39
8	64	51	43	38	62	51	43	38	49	42	37	48	42	37	47	41	37	35
9	60	47	39	34	59	47	39	34	46	39	34	44	38	34	43	38	34	32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1916	1916	1916
5°	1912	1916	1914
10°	1911	1912	1909
15°	1903	1906	1902
20°	1888	1891	1885
25°	1862	1863	1857
30°	1821	1821	1817
35°	1754	1749	1741
40°	1626	1608	1603
45°	1421	1398	1404
50°	1227	1212	1218
55°	1090	1074	1076
60°	976	963	963
65°	875	869	872
70°	787	779	787
75°	730	719	730
80°	681	673	650
85°	577	577	514

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 1421 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.8	4.2
10°-20°	385.7	12.0
20°-30°	577.2	18.0
30°-40°	661.3	20.6
40°-50°	571.9	17.8
50°-60°	413.9	12.9
60°-70°	272.6	8.5
70°-80°	148.4	4.6
80°-90°	42.5	1.3
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°	1097.7	34.2
0°-40°	1758.9	54.8
0°-60°	2744.7	85.6
0°-90°	3208.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3208.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1424	1424	1424	1424	1424	
5°	1416	1419	1419	1419	1417	135
15°	1366	1367	1368	1370	1365	385
25°	1254	1254	1255	1256	1251	577
35°	1068	1067	1065	1064	1060	664
45°	747	745	735	734	738	578
55°	465	463	458	455	459	418
65°	275	277	273	271	274	274
75°	140	140	138	138	140	150
85°	37	37	37	38	33	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1423.8*	*1423.8*	*1423.8*	*1423.8*	*1423.8*
2.5°	*1420.8*	1423.8	1422.8	1423.8	1420.8
5°	*1415.7*	1418.8	1418.8	1418.8	1416.8
7.5°	*1408.7*	1410.7	1411.7	1412.7	1407.7
10°	*1398.6*	1400.6	1399.6	1401.6	1397.6
12.5°	*1385.4*	1385.4	1386.4	1388.5	1384.4
15°	*1366.2*	1367.2	1368.2	1370.3	1365.2
17.5°	*1344.0*	1345.0	1346.0	1347.0	1343.0
20°	*1318.7*	1318.7	1320.8	1321.8	1316.7
22.5°	*1287.4*	1287.4	1289.4	1292.5	1286.4
25°	*1254.1*	1254.1	1255.1	1256.1	1251.0
27.5°	*1214.6*	1214.6	1215.7	1218.7	1212.6
30°	*1172.2*	1171.2	1172.2	1173.2	1169.2
32.5°	*1124.7*	1123.7	1122.7	1123.7	1118.6
35°	*1068.1*	1067.1	1065.1	1064.1	1060.0
37.5°	*1002.4*	1000.4	996.4	996.4	992.3
40°	*925.6*	920.6	915.5	913.5	912.5
42.5°	*836.7*	832.7	825.6	824.6	824.6
45°	*746.8*	744.8	734.6	733.6	737.7
47.5°	*665.9*	660.9	651.8	649.8	655.8
50°	*586.1*	587.1	579.0	576.0	582.1
52.5°	*523.5*	521.4	514.4	512.3	517.4
55°	*464.8*	462.8	457.8	454.7	458.8
57.5°	*411.3*	410.3	405.2	404.2	406.2
60°	*362.8*	361.8	357.7	356.7	357.7
62.5°	*317.3*	317.3	313.3	311.2	314.3
65°	*274.9*	276.9	272.8	270.8	273.9
67.5°	*236.5*	238.5	234.4	232.4	236.5
70°	*200.1*	202.1	198.1	196.0	200.1
72.5°	*168.8*	169.8	166.7	165.7	170.8
75°	*140.5*	140.5	138.4	138.4	140.5
77.5°	*114.2*	113.2	112.2	112.2	110.1
80°	*87.9*	86.9	86.9	86.9	83.9
82.5°	*62.7*	60.6	61.6	62.7	57.6
85°	*37.4*	37.4	37.4	38.4	33.3
87.5°	*15.2*	15.2	14.1	15.2	13.1
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	11.5	13.0	11.9	13.3	13.7	11.4	12.9	11.8	13.2	13.6
	3H	13.0	14.3	13.3	14.6	15.0	12.9	14.2	13.2	14.5	14.9
	4H	13.5	14.8	13.9	15.1	15.5	13.4	14.7	13.8	15.0	15.4
	6H	13.9	15.1	14.4	15.5	15.9	13.8	15.0	14.2	15.4	15.8
	8H	14.1	15.2	14.5	15.6	16.0	14.0	15.1	14.4	15.5	15.9
	12H	14.2	15.2	14.6	15.6	16.1	14.0	15.1	14.5	15.5	15.9
4H	2H	12.0	13.3	12.4	13.6	14.0	11.9	13.2	12.3	13.5	13.9
	3H	13.7	14.7	14.1	15.1	15.5	13.6	14.6	14.0	15.0	15.4
	4H	14.3	15.3	14.8	15.7	16.1	14.3	15.2	14.7	15.6	16.1
	6H	14.9	15.7	15.4	16.2	16.6	14.8	15.6	15.3	16.1	16.5
	8H	15.1	15.9	15.6	16.3	16.8	15.0	15.8	15.5	16.2	16.7
	12H	15.2	15.9	15.7	16.4	16.9	15.1	15.8	15.6	16.3	16.8
8H	4H	14.6	15.4	15.1	15.8	16.3	14.5	15.3	15.0	15.7	16.2
	6H	15.3	15.9	15.8	16.4	16.9	15.2	15.8	15.7	16.3	16.8
	8H	15.5	16.1	16.1	16.6	17.1	15.5	16.0	16.0	16.5	17.0
	12H	15.7	16.3	16.3	16.7	17.3	15.6	16.2	16.2	16.6	17.2
12H	4H	14.6	15.3	15.1	15.8	16.2	14.5	15.2	15.0	15.7	16.2
	6H	15.3	15.9	15.9	16.4	16.9	15.2	15.8	15.8	16.3	16.8
	8H	15.6	16.1	16.1	16.6	17.2	15.6	16.1	16.1	16.6	17.1

(END OF REPORT)