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: P1471864

Luminaire Tested: 24PTR-72S-PLG-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471864
	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-72S-PLG-L835-UNV-STD-W
Description:	7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens White Reces Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5689.0 lumens
Efficiency:	N/A
Efficacy:	93.4 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):	60.9
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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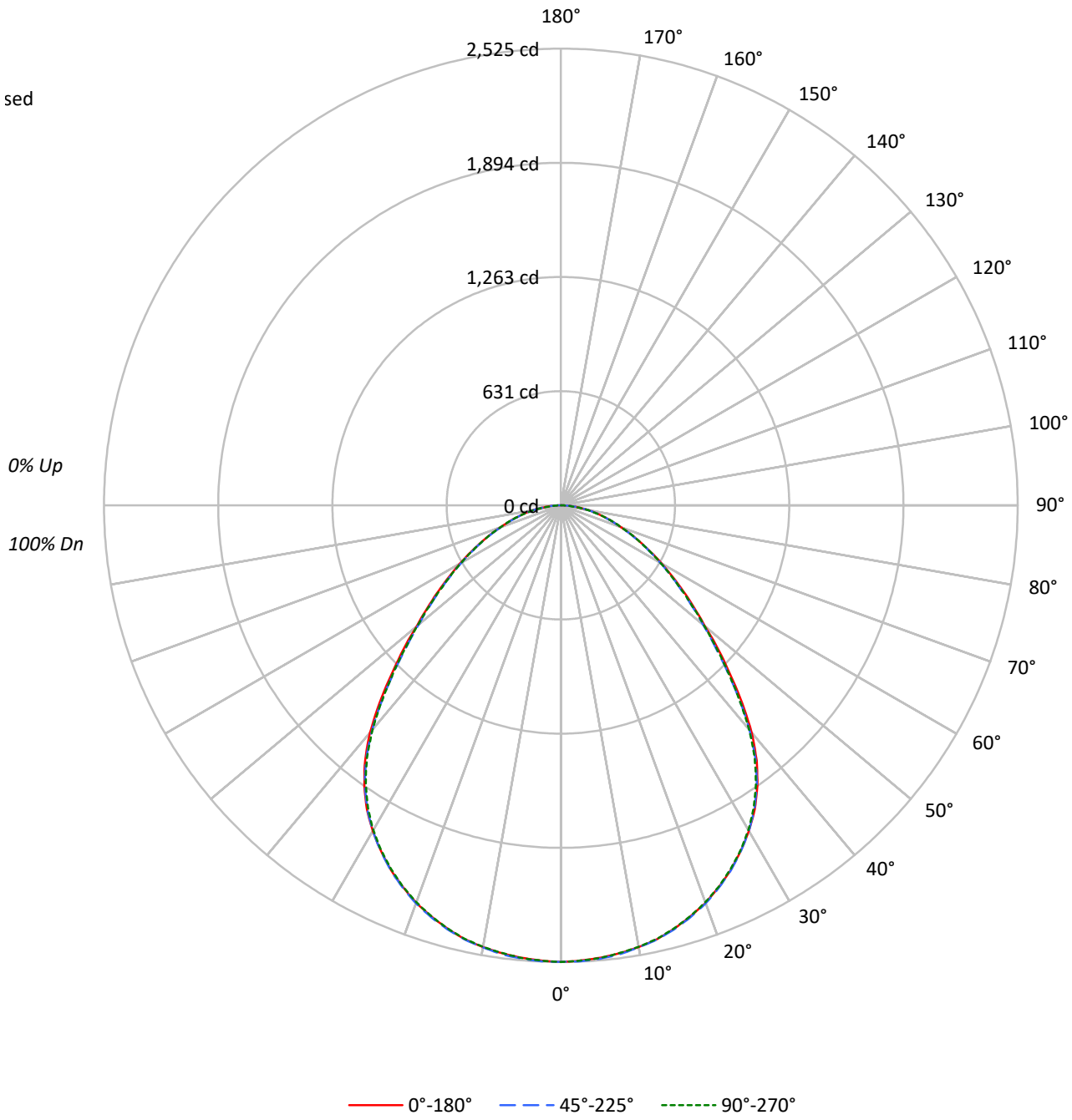
Luminous Intensity Polar Plot



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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	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°	3397	3397	3397
5°	3391	3398	3393
10°	3388	3391	3386
15°	3375	3380	3372
20°	3348	3353	3343
25°	3301	3304	3293
30°	3229	3229	3221
35°	3111	3102	3087
40°	2883	2851	2842
45°	2520	2479	2489
50°	2175	2149	2160
55°	1934	1904	1908
60°	1731	1707	1707
65°	1552	1540	1546
70°	1396	1382	1396
75°	1295	1276	1295
80°	1208	1194	1152
85°	1024	1024	912

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 2520 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	239.0	4.2
10°-20°	684.0	12.0
20°-30°	1023.4	18.0
30°-40°	1172.6	20.6
40°-50°	1014.1	17.8
50°-60°	733.9	12.9
60°-70°	483.4	8.5
70°-80°	263.1	4.6
80°-90°	75.4	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°	1946.4	34.2
0°-40°	3119.0	54.8
0°-60°	4867.0	85.6
0°-90°	5689.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5689.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2525	2525	2525	2525	2525	
5°	2510	2516	2516	2516	2512	239
15°	2423	2424	2426	2430	2421	683
25°	2224	2224	2226	2227	2218	1023
35°	1894	1892	1889	1887	1880	1177
45°	1324	1321	1303	1301	1308	1025
55°	824	821	812	806	814	742
65°	487	491	484	480	486	487
75°	249	249	246	246	249	265
85°	66	66	66	68	59	77
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*2524.7*	*2524.7*	*2524.7*	*2524.7*	*2524.7*
2.5°	*2519.4*	2524.7	2523.0	2524.7	2519.4
5°	*2510.4*	2515.8	2515.8	2515.8	2512.2
7.5°	*2497.9*	2501.5	2503.2	2505.0	2496.1
10°	*2480.0*	2483.5	2481.7	2485.3	2478.2
12.5°	*2456.7*	2456.7	2458.4	2462.0	2454.9
15°	*2422.6*	2424.4	2426.2	2429.8	2420.8
17.5°	*2383.2*	2385.0	2386.8	2388.6	2381.4
20°	*2338.4*	2338.4	2342.0	2343.8	2334.8
22.5°	*2282.8*	2282.8	2286.4	2291.8	2281.1
25°	*2223.7*	2223.7	2225.5	2227.3	2218.3
27.5°	*2153.8*	2153.8	2155.6	2161.0	2150.2
30°	*2078.6*	2076.8	2078.6	2080.4	2073.2
32.5°	*1994.4*	1992.6	1990.8	1992.6	1983.6
35°	*1894.0*	1892.2	1888.6	1886.8	1879.7
37.5°	*1777.5*	1774.0	1766.8	1766.8	1759.6
40°	*1641.4*	1632.4	1623.4	1619.9	1618.1
42.5°	*1483.7*	1476.5	1464.0	1462.2	1462.2
45°	*1324.2*	1320.6	1302.7	1300.9	1308.1
47.5°	*1180.8*	1171.9	1155.8	1152.2	1162.9
50°	*1039.3*	1041.1	1026.7	1021.4	1032.1
52.5°	*928.2*	924.6	912.1	908.5	917.4
55°	*824.3*	820.7	811.7	806.3	813.5
57.5°	*729.3*	727.5	718.5	716.7	720.3
60°	*643.3*	641.5	634.3	632.5	634.3
62.5°	*562.6*	562.6	555.5	551.9	557.3
65°	*487.4*	491.0	483.8	480.2	485.6
67.5°	*419.3*	422.9	415.7	412.1	419.3
70°	*354.8*	358.4	351.2	347.6	354.8
72.5°	*299.2*	301.0	295.7	293.9	302.8
75°	*249.1*	249.1	245.5	245.5	249.1
77.5°	*202.5*	200.7	198.9	198.9	195.3
80°	*155.9*	154.1	154.1	154.1	148.7
82.5°	*111.1*	107.5	109.3	111.1	102.1
85°	*66.3*	66.3	66.3	68.1	59.1
87.5°	*26.9*	26.9	25.1	26.9	23.3
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	13.5	15.0	13.9	15.3	15.7	13.4	14.9	13.8	15.2	15.6
	3H	15.0	16.3	15.3	16.6	17.0	14.9	16.2	15.2	16.5	16.9
	4H	15.5	16.8	15.9	17.1	17.5	15.4	16.7	15.8	17.0	17.4
	6H	15.9	17.1	16.3	17.5	17.9	15.8	17.0	16.2	17.4	17.8
	8H	16.1	17.2	16.5	17.6	18.0	16.0	17.1	16.4	17.5	17.9
	12H	16.2	17.2	16.6	17.6	18.0	16.0	17.1	16.5	17.5	17.9
4H	2H	14.0	15.3	14.4	15.6	16.0	13.9	15.2	14.3	15.5	15.9
	3H	15.7	16.7	16.1	17.1	17.5	15.6	16.6	16.0	17.0	17.4
	4H	16.3	17.3	16.8	17.7	18.1	16.2	17.2	16.7	17.6	18.1
	6H	16.9	17.7	17.4	18.2	18.6	16.8	17.6	17.3	18.1	18.5
	8H	17.1	17.9	17.6	18.3	18.8	17.0	17.8	17.4	18.2	18.7
	12H	17.2	17.9	17.7	18.4	18.9	17.1	17.8	17.6	18.3	18.7
8H	4H	16.6	17.3	17.0	17.8	18.3	16.5	17.3	17.0	17.7	18.2
	6H	17.3	17.9	17.8	18.4	18.9	17.2	17.8	17.7	18.3	18.8
	8H	17.5	18.1	18.0	18.6	19.1	17.4	18.0	18.0	18.5	19.0
	12H	17.7	18.2	18.2	18.7	19.3	17.6	18.1	18.1	18.6	19.2
12H	4H	16.6	17.3	17.1	17.8	18.2	16.5	17.2	17.0	17.7	18.2
	6H	17.3	17.9	17.8	18.4	18.9	17.2	17.8	17.8	18.3	18.8
	8H	17.6	18.1	18.1	18.6	19.2	17.5	18.1	18.1	18.5	19.1

(END OF REPORT)