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: P1471858

Luminaire Tested: 24PTR-72S-PB1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method:	LM-79-2019
Report Number:	P1471858
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737703)
Test Lab:	INNOVATION CENTER
Issue Date:	6/22/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	24PTR-72S-PB1-L835-UNV-STD-W
Description:	7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PB1 Lens White Reces
	Frame
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6678.9 lumens
Efficiency:	N/A
Efficacy:	109.7 lumens/watt
Spacing Criteria (0/90/45):	1.26 / 1.25 / 1.34
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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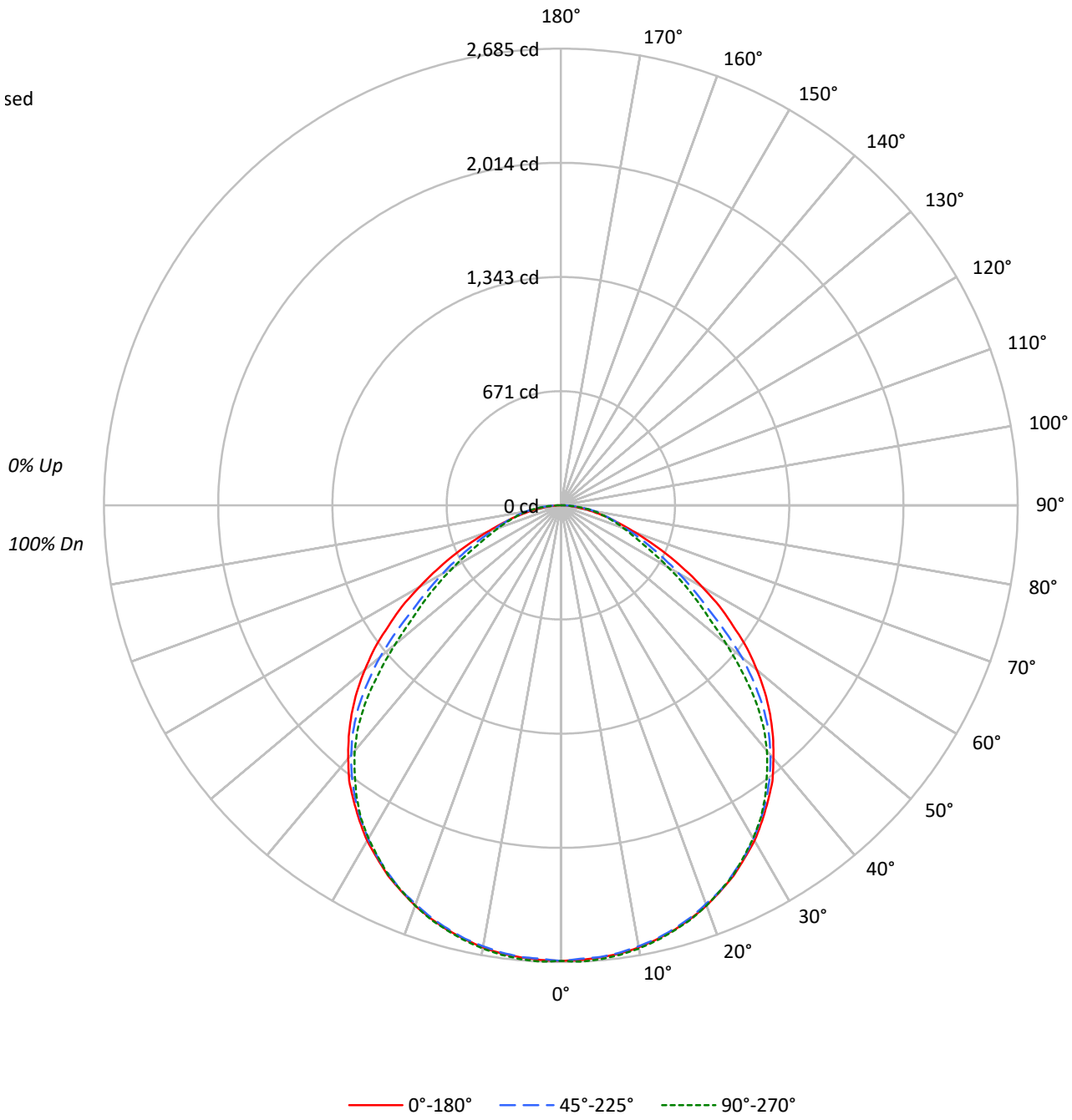
Luminous Intensity Polar Plot



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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	105	101	98	107	103	99	96	99	96	93	95	93	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	83	78	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	64	62
4	85	73	65	59	83	72	64	58	70	63	58	67	62	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	55	50	59	54	49	47
6	72	60	51	45	71	59	51	45	57	50	44	55	49	44	54	48	44	42
7	67	54	46	40	66	53	45	40	52	45	39	51	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	41	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3604	3604	3604
5°	3604	3600	3618
10°	3606	3597	3615
15°	3598	3589	3602
20°	3585	3571	3585
25°	3566	3551	3560
30°	3537	3517	3511
35°	3485	3458	3437
40°	3414	3368	3310
45°	3310	3203	3072
50°	3145	2903	2655
55°	2898	2466	2287
60°	2580	2155	1959
65°	2213	1868	1668
70°	1827	1646	1530
75°	1541	1575	1490
80°	1303	1608	1533
85°	1020	1629	1425

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3310 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.0	3.8
10°-20°	728.7	10.9
20°-30°	1103.9	16.5
30°-40°	1315.3	19.7
40°-50°	1286.3	19.3
50°-60°	972.9	14.6
60°-70°	597.8	8.9
70°-80°	318.4	4.8
80°-90°	101.6	1.5
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°	2086.6	31.2
0°-40°	3401.9	50.9
0°-60°	5661.1	84.8
0°-90°	6678.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6678.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2678	2678	2678	2678	2678	
5°	2668	2672	2665	2675	2678	254
15°	2583	2586	2576	2586	2586	729
25°	2402	2398	2392	2395	2398	1106
35°	2122	2118	2105	2095	2092	1327
45°	1739	1730	1683	1627	1614	1338
55°	1236	1173	1051	992	975	1106
65°	695	639	587	540	524	692
75°	296	300	303	293	287	318
85°	66	86	106	99	92	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2678.5	2678.5	2678.5	2678.5	*2678.5*
2.5°	*2675.3*	*2678.5*	*2668.4*	*2681.9*	*2685.0*
5°	2668.4	2671.9	2665.3	2675.3	*2678.5*
7.5°	2658.7	2658.7	2652.2	2661.8	*2665.3*
10°	2639.0	2639.0	2632.4	2642.1	*2645.6*
12.5°	2612.7	2612.7	2609.3	2615.8	*2619.3*
15°	2583.0	2586.1	2576.4	2586.1	*2586.1*
17.5°	2546.7	2543.6	2540.1	2546.7	*2550.1*
20°	2503.8	2503.8	2494.1	2500.7	*2503.8*
22.5°	2454.3	2454.3	2451.2	2454.3	*2451.2*
25°	2401.8	2398.3	2391.7	2395.2	*2398.3*
27.5°	2339.1	2339.1	2332.6	2332.6	*2329.1*
30°	2276.5	2273.1	2263.4	2256.8	*2259.9*
32.5°	2200.8	2197.3	2187.7	2181.1	*2184.2*
35°	2121.6	2118.5	2105.3	2095.3	*2092.2*
37.5°	2042.7	2032.7	2016.1	2003.0	*1989.8*
40°	1943.8	1933.8	1917.5	1887.8	*1884.3*
42.5°	1844.9	1835.2	1808.6	1772.6	*1762.6*
45°	1739.4	1729.7	1683.4	1627.3	*1614.2*
47.5°	1627.3	1611.1	1538.4	1469.3	*1443.0*
50°	1502.5	1472.7	1387.0	1298.1	*1268.3*
52.5°	1380.4	1327.8	1215.7	1136.5	*1107.1*
55°	1235.5	1172.9	1051.1	991.6	*975.0*
57.5°	1107.1	1021.4	922.4	863.3	*850.2*
60°	958.8	879.6	800.7	747.8	*728.1*
62.5°	823.5	754.4	688.6	642.3	*619.5*
65°	695.2	639.2	586.6	540.3	*524.0*
67.5°	570.0	540.3	497.4	461.4	*451.4*
70°	464.5	447.9	418.5	401.9	*388.8*
72.5°	369.0	375.6	355.9	349.3	*339.3*
75°	296.4	299.9	303.0	293.3	*286.7*
77.5°	224.1	240.4	253.5	247.0	*240.4*
80°	168.1	184.4	207.5	197.8	*197.8*
82.5°	115.2	135.2	155.0	148.4	*144.9*
85°	66.1	85.8	105.5	98.9	*92.3*
87.5°	26.3	42.9	46.0	46.0	*42.9*
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	15.3	16.9	15.7	17.2	17.5	14.1	15.6	14.4	15.9	16.2
	3H	16.6	18.0	17.0	18.3	18.7	15.3	16.7	15.7	17.0	17.4
	4H	17.0	18.3	17.4	18.7	19.0	15.9	17.2	16.3	17.5	17.9
	6H	17.3	18.5	17.7	18.9	19.3	16.4	17.6	16.8	17.9	18.3
	8H	17.4	18.5	17.8	18.9	19.3	16.6	17.7	17.0	18.1	18.5
	12H	17.4	18.5	17.8	18.9	19.3	16.7	17.8	17.1	18.2	18.6
4H	2H	15.7	17.0	16.1	17.3	17.7	14.6	15.9	15.0	16.2	16.6
	3H	17.1	18.2	17.5	18.6	19.0	16.1	17.2	16.5	17.6	18.0
	4H	17.7	18.6	18.1	19.1	19.5	16.8	17.7	17.2	18.2	18.6
	6H	18.1	18.9	18.5	19.4	19.8	17.4	18.3	17.9	18.7	19.2
	8H	18.2	19.0	18.7	19.5	19.9	17.7	18.5	18.1	18.9	19.4
	12H	18.3	19.0	18.8	19.5	20.0	17.9	18.6	18.3	19.1	19.5
8H	4H	17.9	18.7	18.3	19.1	19.6	17.1	17.9	17.5	18.3	18.8
	6H	18.4	19.1	18.9	19.6	20.1	17.9	18.5	18.4	19.0	19.5
	8H	18.6	19.2	19.1	19.7	20.2	18.2	18.8	18.7	19.3	19.8
	12H	18.8	19.3	19.3	19.8	20.4	18.5	19.0	19.0	19.5	20.1
12H	4H	17.9	18.6	18.4	19.1	19.6	17.1	17.8	17.6	18.3	18.8
	6H	18.5	19.1	19.0	19.5	20.1	17.9	18.5	18.5	19.0	19.5
	8H	18.8	19.3	19.3	19.8	20.3	18.3	18.9	18.9	19.4	19.9

(END OF REPORT)