

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: P1471863

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471863
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-B
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PLG Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

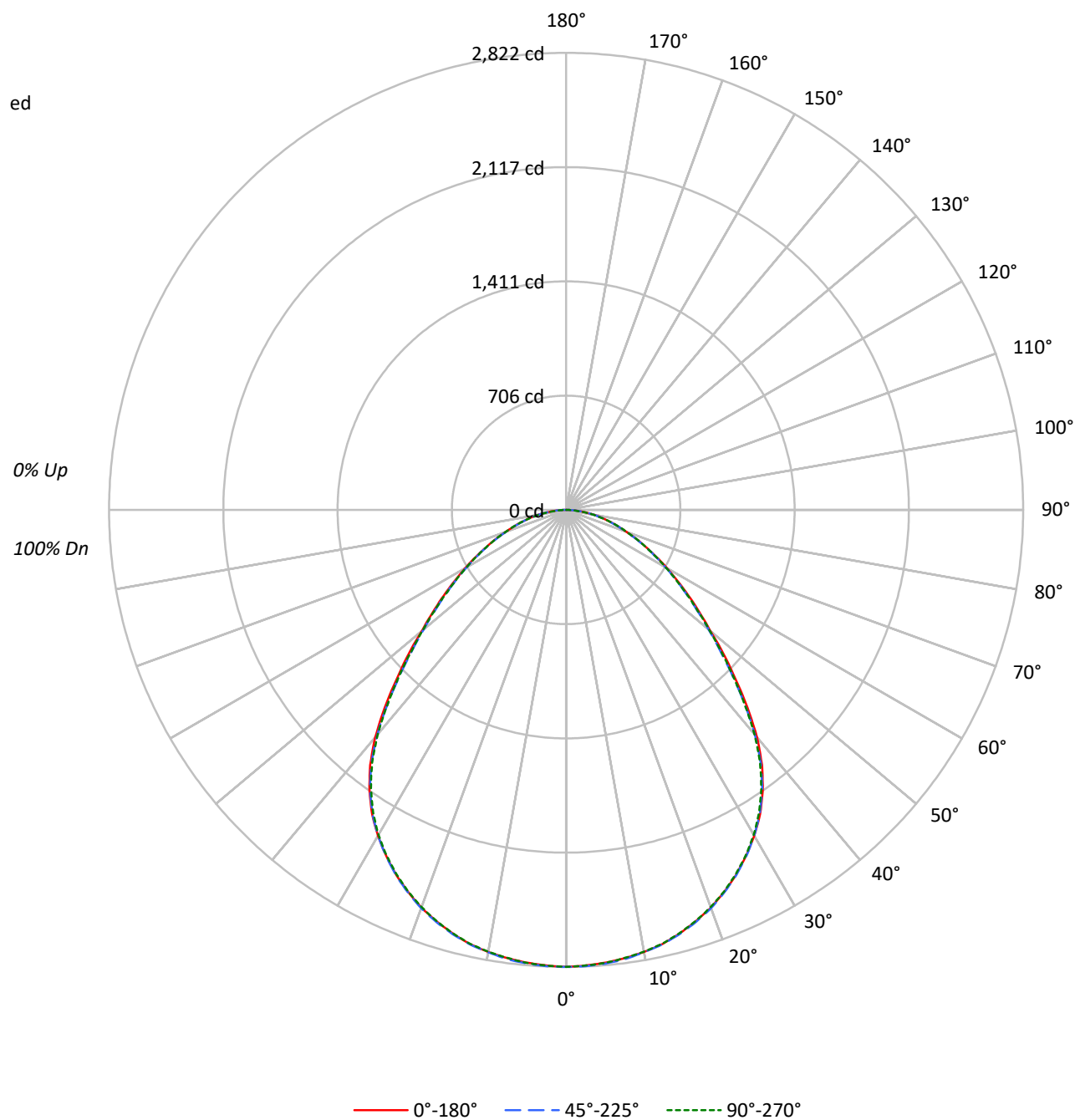
Lumens per Lamp: N/A
Luminaire Lumens: 6358.2 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.26
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RC	80				70					50					30					0
RW	70	50	30	10	70	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			100
1	110	106	102	98	107	103	100	97		99	96	94			95	93	91			86
2	101	94	87	82	99	92	86	81		88	84	79			85	81	78			74
3	93	83	76	70	91	82	75	69		79	73	68			76	71	67			64
4	86	75	67	60	84	73	66	60		71	64	59			69	63	58			56
5	79	67	59	53	77	66	58	53		64	57	52			62	56	51			49
6	74	61	53	47	72	60	52	47		58	51	46			57	51	46			43
7	69	56	48	42	67	55	47	42		54	46	41			52	46	41			39
8	64	51	43	38	62	51	43	38		49	42	37			48	42	37			35
9	60	47	39	34	59	47	39	34		46	39	34			44	38	34			32
10	56	44	36	31	55	43	36	31		42	36	31			41	35	31			29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3797	3797	3797
5°	3790	3798	3792
10°	3787	3790	3784
15°	3772	3777	3769
20°	3742	3748	3736
25°	3690	3693	3681
30°	3609	3609	3600
35°	3477	3467	3451
40°	3222	3187	3176
45°	2816	2770	2782
50°	2431	2402	2415
55°	2161	2128	2133
60°	1935	1908	1908
65°	1734	1721	1728
70°	1560	1544	1560
75°	1447	1426	1447
80°	1350	1334	1288
85°	1144	1144	1020

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2816 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.2	4.2
10°-20°	764.4	12.0
20°-30°	1143.8	18.0
30°-40°	1310.5	20.6
40°-50°	1133.4	17.8
50°-60°	820.3	12.9
60°-70°	540.3	8.5
70°-80°	294.1	4.6
80°-90°	84.3	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°	2175.4	34.2
0°-40°	3485.9	54.8
0°-60°	5439.6	85.6
0°-90°	6358.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6358.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2822	2822	2822	2822	2822	
5°	2806	2812	2812	2812	2808	267
15°	2708	2710	2712	2716	2706	764
25°	2485	2485	2487	2489	2479	1143
35°	2117	2115	2111	2109	2101	1315
45°	1480	1476	1456	1454	1462	1146
55°	921	917	907	901	909	829
65°	545	549	541	537	543	544
75°	278	278	274	274	278	297
85°	74	74	74	76	66	86
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2821.8	2821.8	2821.8	2821.8	2821.8
2.5°	2815.8	2821.8	2819.8	2821.8	2815.8
5°	2805.8	2811.8	2811.8	2811.8	2807.8
7.5°	2791.7	2795.7	2797.7	2799.7	2789.7
10°	2771.7	2775.7	2773.7	2777.7	2769.7
12.5°	2745.7	2745.7	2747.7	2751.7	2743.7
15°	2707.6	2709.6	2711.6	2715.6	2705.6
17.5°	2663.6	2665.6	2667.6	2669.6	2661.6
20°	2613.5	2613.5	2617.5	2619.5	2609.5
22.5°	2551.4	2551.4	2555.4	2561.4	2549.4
25°	2485.3	2485.3	2487.3	2489.3	2479.3
27.5°	2407.2	2407.2	2409.2	2415.2	2403.2
30°	2323.1	2321.1	2323.1	2325.1	2317.1
32.5°	2229.0	2227.0	2225.0	2227.0	2217.0
35°	2116.8	2114.8	2110.8	2108.8	2100.8
37.5°	1986.7	1982.7	1974.6	1974.6	1966.6
40°	1834.5	1824.4	1814.4	1810.4	1808.4
42.5°	1658.2	1650.2	1636.2	1634.2	1634.2
45°	1480.0	1476.0	1455.9	1453.9	1462.0
47.5°	1319.8	1309.8	1291.7	1287.7	1299.7
50°	1161.6	1163.6	1147.5	1141.5	1153.5
52.5°	1037.4	1033.4	1019.4	1015.4	1025.4
55°	921.2	917.2	907.2	901.2	909.2
57.5°	815.1	813.1	803.1	801.1	805.1
60°	719.0	717.0	708.9	706.9	708.9
62.5°	628.8	628.8	620.8	616.8	622.8
65°	544.7	548.7	540.7	536.7	542.7
67.5°	468.6	472.6	464.6	460.6	468.6
70°	396.5	400.5	392.5	388.5	396.5
72.5°	334.4	336.5	330.4	328.4	338.5
75°	278.4	278.4	274.4	274.4	278.4
77.5°	226.3	224.3	222.3	222.3	218.3
80°	174.2	172.2	172.2	172.2	166.2
82.5°	124.2	120.2	122.2	124.2	114.2
85°	74.1	74.1	74.1	76.1	66.1
87.5°	30.0	30.0	28.0	30.0	26.0
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	13.9	15.4	14.3	15.7	16.0	13.8	15.3	14.2	15.6	15.9
	3H	15.3	16.7	15.7	17.0	17.4	15.2	16.6	15.6	16.9	17.3
	4H	15.9	17.2	16.3	17.5	17.9	15.8	17.1	16.2	17.4	17.8
	6H	16.3	17.5	16.7	17.9	18.2	16.2	17.4	16.6	17.7	18.1
	8H	16.5	17.6	16.9	18.0	18.4	16.3	17.5	16.8	17.8	18.2
	12H	16.6	17.6	17.0	18.0	18.4	16.4	17.5	16.9	17.9	18.3
4H	2H	14.4	15.7	14.8	16.0	16.4	14.3	15.6	14.7	15.9	16.3
	3H	16.0	17.1	16.5	17.5	17.9	16.0	17.0	16.4	17.4	17.8
	4H	16.7	17.7	17.2	18.1	18.5	16.6	17.6	17.1	18.0	18.4
	6H	17.3	18.1	17.7	18.6	19.0	17.2	18.0	17.6	18.5	18.9
	8H	17.5	18.2	17.9	18.7	19.2	17.4	18.1	17.8	18.6	19.1
	12H	17.6	18.3	18.1	18.8	19.3	17.5	18.2	18.0	18.7	19.1
8H	4H	17.0	17.7	17.4	18.2	18.6	16.9	17.7	17.4	18.1	18.6
	6H	17.6	18.3	18.1	18.8	19.3	17.6	18.2	18.1	18.7	19.2
	8H	17.9	18.5	18.4	19.0	19.5	17.8	18.4	18.3	18.9	19.4
	12H	18.1	18.6	18.6	19.1	19.7	18.0	18.5	18.5	19.0	19.6
12H	4H	17.0	17.7	17.5	18.2	18.6	16.9	17.6	17.4	18.1	18.6
	6H	17.7	18.3	18.2	18.7	19.3	17.6	18.2	18.1	18.7	19.2
	8H	18.0	18.5	18.5	19.0	19.6	17.9	18.4	18.4	18.9	19.5

(END OF REPORT)