

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: P1471856

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72S-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

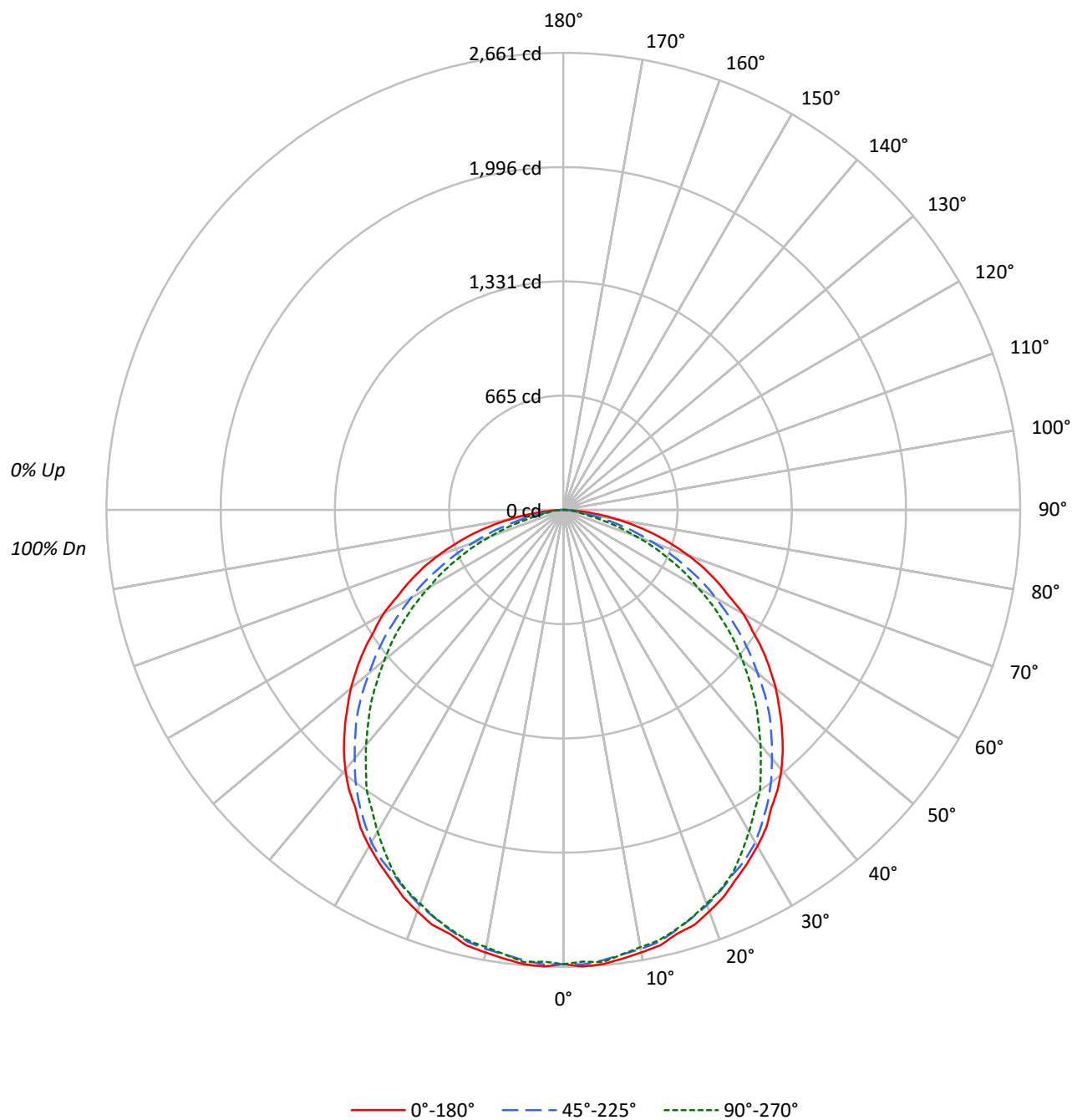
Lumens per Lamp: N/A
Luminaire Lumens: 7045.2 lumens
Efficiency: N/A
Efficacy: 115.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3559	3559	3559
5°	3585	3555	3570
10°	3575	3547	3532
15°	3559	3531	3524
20°	3562	3505	3492
25°	3527	3475	3464
30°	3512	3473	3360
35°	3472	3410	3278
40°	3470	3320	3138
45°	3426	3234	3013
50°	3380	3090	2849
55°	3315	2945	2675
60°	3256	2755	2429
65°	3145	2528	2172
70°	3043	2200	1772
75°	2858	1736	1220
80°	2478	1050	732
85°	1653	753	706

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3426 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.7	3.6
10°-20°	717.4	10.2
20°-30°	1083.7	15.4
30°-40°	1288.5	18.3
40°-50°	1306.8	18.5
50°-60°	1134.7	16.1
60°-70°	805.5	11.4
70°-80°	384.9	5.5
80°-90°	73.0	1.0
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°	2051.8	29.1
0°-40°	3340.3	47.4
0°-60°	5781.8	82.1
0°-90°	7045.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7045.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2645	2645	2645	2645	2645	
5°	2654	2645	2632	2639	2643	252
15°	2555	2561	2535	2532	2530	724
25°	2376	2372	2341	2350	2333	1097
35°	2114	2111	2076	2005	1996	1328
45°	1801	1785	1700	1610	1583	1389
55°	1413	1370	1256	1182	1140	1263
65°	988	914	794	709	682	978
75°	550	449	334	265	235	577
85°	107	57	49	47	46	135
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2644.9	2644.9	2644.9	2644.9	2644.9
2.5°	2660.7	2651.2	2648.1	2659.1	2632.3
5°	2654.4	2644.9	2632.3	2638.6	2643.3
7.5°	2635.5	2627.6	2610.3	2624.4	2610.3
10°	2616.6	2608.7	2596.1	2600.8	2585.1
12.5°	2597.7	2578.8	2575.6	2578.8	2567.7
15°	2555.1	2561.4	2534.7	2531.5	2529.9
17.5°	2534.7	2518.9	2490.5	2492.1	2489.0
20°	2487.4	2468.5	2448.0	2444.9	2438.6
22.5°	2438.6	2416.5	2397.6	2407.1	2392.9
25°	2375.5	2372.4	2340.9	2350.3	2333.0
27.5°	2320.4	2309.4	2295.2	2274.7	2249.5
30°	2260.6	2249.5	2235.3	2181.8	2162.9
32.5°	2197.5	2184.9	2156.6	2093.6	2073.1
35°	2114.0	2110.9	2076.2	2005.4	1995.9
37.5°	2051.0	2016.4	1988.0	1915.6	1888.8
40°	1975.4	1956.5	1890.4	1821.0	1786.4
42.5°	1891.9	1869.9	1794.3	1720.2	1682.4
45°	1800.6	1784.8	1699.7	1610.0	1583.2
47.5°	1706.0	1691.9	1591.0	1504.4	1469.8
50°	1614.7	1597.4	1476.1	1392.6	1361.1
52.5°	1515.4	1487.1	1367.4	1285.4	1255.5
55°	1413.0	1370.5	1255.5	1181.5	1140.5
57.5°	1304.3	1265.0	1137.4	1060.2	1027.1
60°	1209.8	1154.7	1023.9	945.2	902.6
62.5°	1088.5	1041.3	916.8	823.9	803.4
65°	987.7	913.7	793.9	708.9	682.1
67.5°	885.3	798.7	677.4	590.7	576.6
70°	773.5	683.7	559.2	474.2	450.5
72.5°	660.0	571.8	450.5	360.7	346.6
75°	549.8	449.0	334.0	264.6	234.7
77.5°	430.1	338.7	234.7	162.3	143.4
80°	319.8	228.4	135.5	96.1	94.5
82.5°	209.5	132.3	72.5	74.0	70.9
85°	107.1	56.7	48.8	47.3	45.7
87.5°	20.5	22.1	23.6	23.6	23.6
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	16.6	18.2	16.9	18.5	18.8	15.2	16.8	15.6	17.1	17.5
	3H	18.4	19.8	18.8	20.2	20.5	16.5	17.9	16.9	18.3	18.6
	4H	19.1	20.4	19.5	20.8	21.2	16.8	18.2	17.2	18.5	18.9
	6H	19.6	20.8	20.0	21.2	21.6	16.9	18.1	17.3	18.5	18.9
	8H	19.7	20.9	20.1	21.3	21.7	16.9	18.1	17.3	18.5	18.9
	12H	19.8	20.9	20.2	21.3	21.7	16.9	18.0	17.3	18.4	18.8
4H	2H	17.0	18.3	17.4	18.7	19.0	15.9	17.3	16.3	17.6	18.0
	3H	19.0	20.1	19.4	20.5	20.9	17.3	18.5	17.7	18.9	19.3
	4H	19.8	20.8	20.2	21.2	21.7	17.7	18.7	18.1	19.1	19.6
	6H	20.4	21.3	20.8	21.7	22.2	17.8	18.7	18.3	19.1	19.6
	8H	20.5	21.4	21.0	21.8	22.3	17.8	18.7	18.3	19.1	19.6
	12H	20.6	21.4	21.1	21.9	22.3	17.9	18.6	18.3	19.1	19.5
8H	4H	19.9	20.7	20.3	21.2	21.6	18.0	18.8	18.4	19.2	19.7
	6H	20.5	21.2	21.0	21.7	22.2	18.1	18.8	18.6	19.3	19.8
	8H	20.7	21.3	21.2	21.8	22.3	18.2	18.8	18.7	19.3	19.8
	12H	20.9	21.4	21.4	21.9	22.4	18.2	18.7	18.7	19.2	19.8
12H	4H	19.9	20.6	20.3	21.1	21.6	18.0	18.7	18.5	19.2	19.7
	6H	20.5	21.1	21.0	21.6	22.1	18.1	18.8	18.7	19.2	19.8
	8H	20.7	21.3	21.2	21.8	22.3	18.2	18.8	18.7	19.2	19.8

(END OF REPORT)