

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: P1471868

Luminaire Tested: 24PTR-72S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737735)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72S-PR1-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

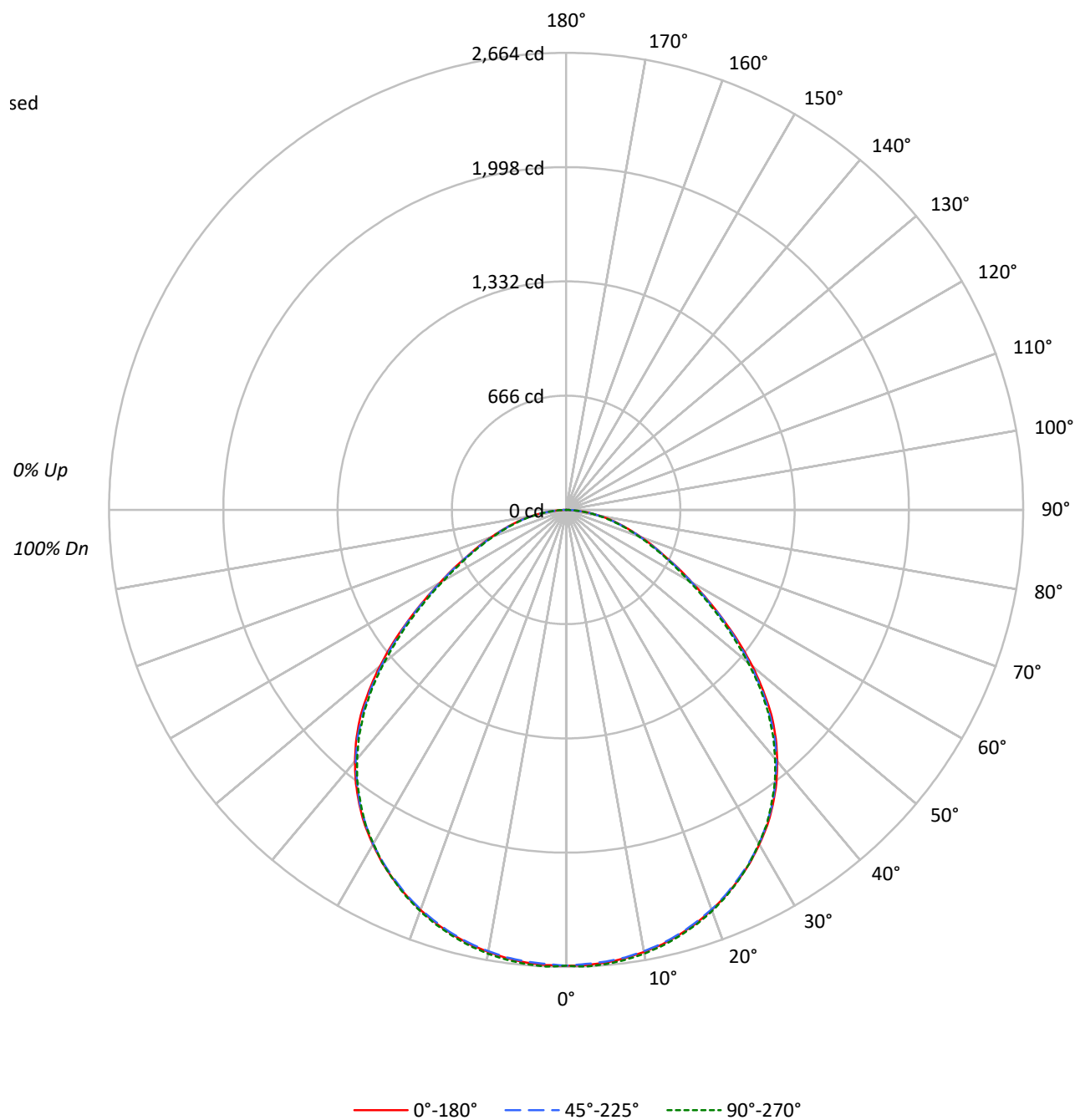
Lumens per Lamp: N/A
Luminaire Lumens: 6718.9 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	88	88	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	73
3	92	82	74	68	90	80	73	68	78	71	66	75	70	65	72	68	64	64	64	62
4	85	73	65	58	82	72	64	58	69	63	57	67	61	56	65	60	56	56	56	54
5	78	66	57	51	76	65	56	50	62	55	50	61	54	49	59	53	49	49	49	47
6	72	59	51	45	70	58	50	44	57	49	44	55	49	44	53	48	43	43	43	41
7	67	54	45	40	65	53	45	39	52	44	39	50	44	39	49	43	39	39	39	37
8	62	49	41	35	61	49	41	35	47	40	35	46	40	35	45	39	35	35	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	31	31	30
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3575	3575	3575
5°	3578	3570	3590
10°	3575	3569	3588
15°	3568	3563	3580
20°	3553	3549	3563
25°	3530	3521	3534
30°	3499	3494	3490
35°	3451	3443	3428
40°	3364	3350	3326
45°	3223	3187	3164
50°	2966	2932	2896
55°	2625	2613	2562
60°	2281	2273	2211
65°	2010	1998	1958
70°	1824	1798	1761
75°	1689	1650	1619
80°	1541	1520	1469
85°	1218	1207	1159

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3223 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.0	3.8
10°-20°	723.3	10.8
20°-30°	1095.8	16.3
30°-40°	1308.2	19.5
40°-50°	1286.5	19.1
50°-60°	994.3	14.8
60°-70°	627.0	9.3
70°-80°	339.1	5.0
80°-90°	92.6	1.4
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°	2071.2	30.8
0°-40°	3379.3	50.3
0°-60°	5660.2	84.2
0°-90°	6718.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6718.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2657	2657	2657	2657	2657	
5°	2649	2650	2643	2655	2658	252
15°	2562	2562	2558	2566	2570	723
25°	2378	2380	2372	2380	2381	1096
35°	2101	2102	2096	2093	2087	1312
45°	1694	1687	1675	1662	1663	1297
55°	1119	1128	1114	1096	1092	1004
65°	631	632	628	617	615	635
75°	325	321	317	319	311	345
85°	79	80	78	79	75	94
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2656.8	2656.8	2656.8	2656.8	2656.8
2.5°	2655.7	2656.8	2649.2	2661.6	2664.4
5°	2649.2	2650.2	2643.3	2654.7	2657.8
7.5°	2635.7	2637.7	2631.2	2642.6	2645.3
10°	2616.6	2618.7	2612.1	2623.5	2626.3
12.5°	2593.1	2593.8	2588.3	2598.6	2601.4
15°	2561.6	2562.3	2557.8	2566.1	2569.9
17.5°	2525.3	2526.3	2519.8	2530.1	2531.9
20°	2481.7	2482.4	2478.6	2487.2	2488.3
22.5°	2432.9	2435.0	2429.1	2436.7	2437.8
25°	2377.9	2379.6	2372.0	2379.6	2380.7
27.5°	2319.8	2320.5	2313.9	2319.8	2318.7
30°	2252.0	2257.9	2249.2	2247.1	2246.4
32.5°	2181.7	2182.4	2174.1	2172.0	2175.9
35°	2100.8	2101.5	2095.9	2093.2	2087.3
37.5°	2012.2	2012.2	2001.5	1999.8	1998.7
40°	1915.0	1913.9	1907.4	1900.8	1893.9
42.5°	1809.1	1811.2	1797.7	1786.3	1784.6
45°	1693.9	1687.3	1674.9	1661.7	1662.8
47.5°	1557.9	1559.7	1542.7	1532.0	1529.2
50°	1416.8	1416.8	1400.9	1389.4	1383.6
52.5°	1269.4	1270.4	1255.2	1240.0	1236.9
55°	1118.9	1128.2	1114.0	1096.1	1092.3
57.5°	978.1	985.7	972.2	953.2	952.1
60°	847.6	848.3	844.5	826.5	821.7
62.5°	736.2	731.4	729.3	720.0	714.1
65°	631.4	632.4	627.6	616.9	615.1
67.5°	546.6	545.6	537.0	530.4	526.6
70°	463.6	460.8	457.0	451.5	447.7
72.5°	389.6	389.6	386.5	384.7	378.2
75°	324.9	321.1	317.3	319.0	311.4
77.5°	262.9	259.1	256.0	252.2	250.5
80°	198.9	195.1	196.2	190.3	189.6
82.5°	138.0	138.0	136.3	131.5	132.5
85°	78.9	79.9	78.2	78.9	75.1
87.5°	28.7	29.4	31.5	29.4	29.4
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	15.0	16.5	15.3	16.8	17.1	14.7	16.3	15.1	16.6	16.9
	3H	16.3	17.7	16.7	18.0	18.4	16.1	17.5	16.5	17.8	18.2
	4H	16.8	18.1	17.2	18.5	18.9	16.6	17.9	17.0	18.3	18.6
	6H	17.2	18.4	17.6	18.8	19.2	17.0	18.2	17.4	18.6	19.0
	8H	17.4	18.5	17.8	18.9	19.3	17.1	18.3	17.6	18.7	19.1
	12H	17.4	18.5	17.9	18.9	19.4	17.2	18.3	17.6	18.7	19.1
4H	2H	15.4	16.7	15.8	17.1	17.4	15.2	16.5	15.6	16.9	17.3
	3H	17.0	18.1	17.4	18.5	18.9	16.8	17.9	17.2	18.3	18.7
	4H	17.6	18.6	18.1	19.0	19.5	17.5	18.4	17.9	18.9	19.3
	6H	18.2	19.0	18.6	19.5	19.9	18.0	18.8	18.4	19.3	19.7
	8H	18.3	19.1	18.8	19.6	20.1	18.2	19.0	18.6	19.4	19.9
	12H	18.5	19.2	18.9	19.7	20.1	18.3	19.0	18.7	19.5	19.9
8H	4H	17.9	18.7	18.3	19.1	19.6	17.7	18.5	18.2	19.0	19.4
	6H	18.5	19.2	19.0	19.7	20.2	18.4	19.0	18.8	19.5	20.0
	8H	18.8	19.4	19.3	19.9	20.4	18.6	19.2	19.1	19.7	20.2
	12H	18.9	19.5	19.5	20.0	20.5	18.8	19.3	19.3	19.8	20.4
12H	4H	17.9	18.6	18.4	19.1	19.6	17.7	18.5	18.2	18.9	19.4
	6H	18.6	19.2	19.1	19.6	20.2	18.4	19.0	18.9	19.5	20.0
	8H	18.9	19.4	19.4	19.9	20.4	18.7	19.2	19.2	19.7	20.3

(END OF REPORT)