

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: P1471862

Luminaire Tested: 24PTR-72S-PL1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471862
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-72S-PL1-L835-UNV-STD-W
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens White Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

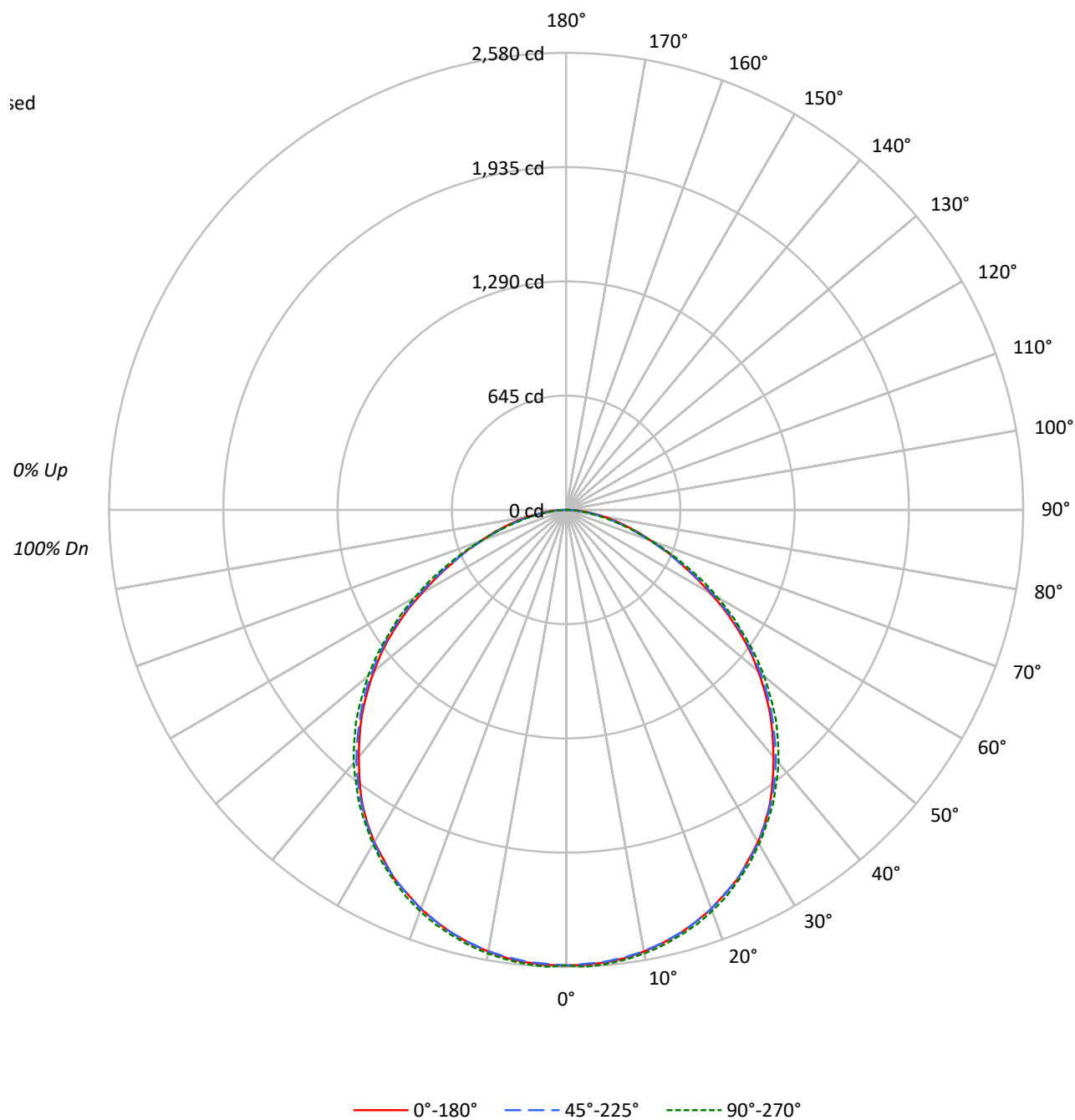
Lumens per Lamp: N/A
Luminaire Lumens: 6779.0 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	109	105	101	97	107	103	99	96		98	95	93		94	92	90		91	89	87
2	100	92	86	80	97	90	84	79		87	82	77		83	79	75		80	77	74
3	91	81	73	67	89	80	72	66		77	70	65		74	69	64		71	67	63
4	84	72	64	57	82	71	63	57		68	61	56		66	60	55		64	59	55
5	77	65	56	49	75	64	55	49		61	54	49		60	53	48		58	52	48
6	71	58	50	43	69	57	49	43		56	48	43		54	47	42		52	47	42
7	66	53	44	38	65	52	44	38		51	43	38		49	43	38		48	42	37
8	62	48	40	34	60	48	40	34		46	39	34		45	39	34		44	38	34
9	58	44	36	31	56	44	36	31		43	36	31		42	35	30		41	35	30
10	54	41	33	28	53	41	33	28		40	33	28		39	32	28		38	32	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3460	3460	3460
5°	3463	3457	3476
10°	3459	3455	3474
15°	3448	3447	3464
20°	3431	3431	3450
25°	3408	3403	3422
30°	3365	3370	3386
35°	3301	3313	3340
40°	3198	3235	3277
45°	3098	3124	3184
50°	2962	2994	3053
55°	2790	2834	2868
60°	2530	2584	2649
65°	2248	2272	2363
70°	2009	1968	2017
75°	1812	1708	1674
80°	1647	1529	1358
85°	1396	1267	1090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3184 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.9	3.6
10°-20°	699.7	10.3
20°-30°	1058.3	15.6
30°-40°	1261.5	18.6
40°-50°	1268.5	18.7
50°-60°	1076.6	15.9
60°-70°	716.8	10.6
70°-80°	357.9	5.3
80°-90°	95.7	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°	2001.9	29.5
0°-40°	3263.5	48.1
0°-60°	5608.6	82.7
0°-90°	6779.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6779.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2572	2572	2572	2572	2572	
5°	2564	2565	2559	2571	2574	244
15°	2476	2478	2474	2485	2487	698
25°	2296	2296	2292	2303	2305	1055
35°	2010	2012	2017	2031	2033	1253
45°	1628	1631	1642	1664	1673	1253
55°	1189	1198	1208	1220	1222	1060
65°	706	712	714	724	742	708
75°	349	344	329	321	322	374
85°	90	89	82	77	71	105
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2571.8	2571.8	2571.8	2571.8	2571.8
2.5°	2569.7	2571.8	2564.8	2577.3	2580.4
5°	2564.1	2564.8	2559.3	2570.7	2573.5
7.5°	2551.7	2552.7	2546.8	2559.3	2561.0
10°	2531.6	2533.7	2528.8	2540.2	2543.0
12.5°	2506.0	2508.7	2503.9	2516.4	2518.4
15°	2475.5	2478.3	2474.5	2484.9	2486.9
17.5°	2438.1	2440.2	2438.1	2447.8	2453.3
20°	2396.2	2396.2	2396.2	2404.9	2409.7
22.5°	2343.9	2348.8	2346.7	2358.1	2363.0
25°	2295.5	2295.5	2292.4	2303.1	2304.8
27.5°	2227.6	2235.2	2234.5	2243.9	2246.0
30°	2165.6	2167.7	2168.8	2175.3	2179.1
32.5°	2090.5	2092.2	2095.4	2104.7	2105.7
35°	2009.5	2011.6	2017.1	2031.3	2033.4
37.5°	1915.3	1925.7	1930.5	1945.8	1947.5
40°	1820.8	1827.4	1841.9	1857.8	1865.5
42.5°	1724.5	1732.2	1740.8	1762.6	1769.6
45°	1628.3	1631.1	1641.8	1663.6	1673.3
47.5°	1521.7	1530.3	1539.7	1558.7	1564.6
50°	1415.0	1424.4	1430.3	1447.2	1458.6
52.5°	1307.3	1316.0	1322.6	1333.0	1344.4
55°	1189.3	1197.6	1208.3	1219.7	1222.5
57.5°	1069.1	1078.5	1085.4	1097.5	1110.0
60°	940.3	951.1	960.4	971.9	984.3
62.5°	820.6	825.1	834.7	853.8	871.8
65°	706.0	711.8	713.6	724.3	742.3
67.5°	610.7	610.7	602.1	605.9	626.0
70°	510.7	506.9	500.3	496.5	512.8
72.5°	429.7	424.8	410.6	404.0	412.7
75°	348.6	343.8	328.6	321.0	322.0
77.5°	280.1	272.5	260.0	246.9	244.1
80°	212.6	209.5	197.3	184.9	175.2
82.5°	150.6	144.0	137.1	129.5	121.9
85°	90.4	88.6	82.1	77.2	70.6
87.5°	37.0	37.0	35.3	33.2	31.5
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	15.5	17.1	15.9	17.4	17.7	15.7	17.3	16.0	17.6	17.9
	3H	16.9	18.3	17.3	18.7	19.0	17.0	18.4	17.4	18.8	19.1
	4H	17.4	18.7	17.8	19.1	19.5	17.4	18.8	17.8	19.1	19.5
	6H	17.8	19.0	18.2	19.4	19.8	17.7	19.0	18.1	19.3	19.7
	8H	17.9	19.1	18.3	19.5	19.9	17.8	19.0	18.2	19.4	19.8
	12H	18.0	19.1	18.4	19.5	19.9	17.8	19.0	18.3	19.4	19.8
4H	2H	16.0	17.4	16.4	17.7	18.1	16.1	17.5	16.5	17.8	18.2
	3H	17.6	18.7	18.0	19.1	19.5	17.7	18.8	18.1	19.2	19.6
	4H	18.2	19.2	18.7	19.6	20.1	18.2	19.2	18.6	19.6	20.1
	6H	18.7	19.6	19.2	20.1	20.5	18.6	19.5	19.0	19.9	20.4
	8H	18.9	19.7	19.4	20.2	20.6	18.7	19.5	19.2	20.0	20.4
	12H	19.0	19.8	19.5	20.2	20.7	18.8	19.5	19.3	20.0	20.5
8H	4H	18.4	19.3	18.9	19.7	20.2	18.4	19.2	18.9	19.7	20.1
	6H	19.0	19.7	19.5	20.2	20.7	18.9	19.6	19.4	20.1	20.5
	8H	19.3	19.9	19.8	20.4	20.9	19.1	19.7	19.6	20.2	20.7
	12H	19.5	20.0	20.0	20.5	21.1	19.2	19.7	19.7	20.2	20.8
12H	4H	18.4	19.2	18.9	19.7	20.1	18.4	19.2	18.9	19.6	20.1
	6H	19.1	19.7	19.6	20.2	20.7	18.9	19.6	19.5	20.0	20.6
	8H	19.4	19.9	19.9	20.4	21.0	19.2	19.7	19.7	20.2	20.8

(END OF REPORT)