

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: P1471861

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471861
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-B
Description: 7200 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PL1 Lens Black Recess
Frame
Light Source: -
Ballast/Driver: -

Summary

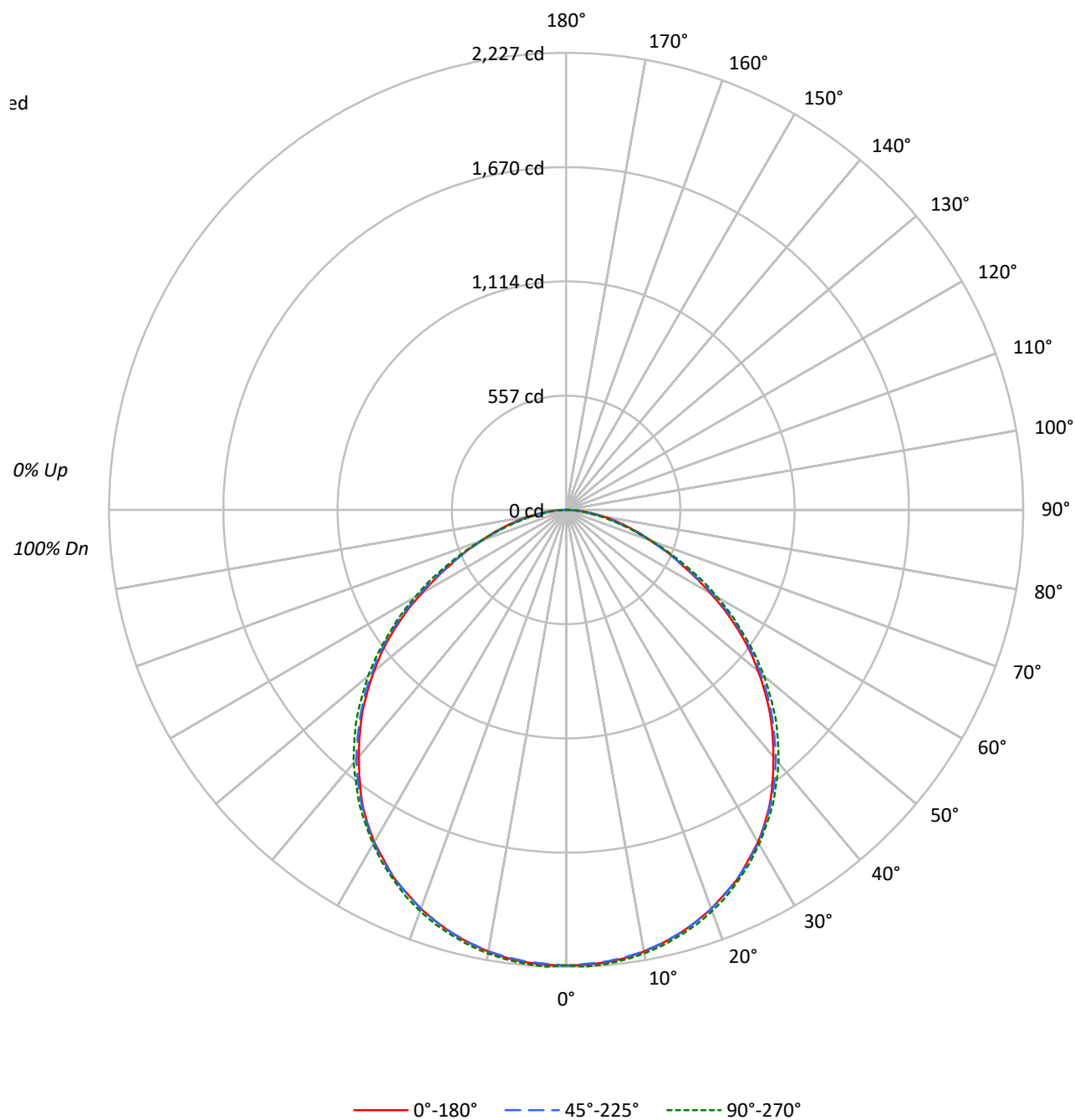
Lumens per Lamp: N/A
Luminaire Lumens: 5851.4 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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°	2987	2987	2987
5°	2989	2984	3000
10°	2986	2982	2999
15°	2976	2975	2990
20°	2961	2961	2978
25°	2942	2938	2953
30°	2904	2908	2922
35°	2849	2860	2883
40°	2760	2793	2828
45°	2674	2696	2748
50°	2557	2584	2635
55°	2408	2447	2475
60°	2184	2231	2286
65°	1940	1961	2040
70°	1734	1699	1741
75°	1564	1474	1445
80°	1422	1320	1172
85°	1204	1093	942

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 2748 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.6	3.6
10°-20°	603.9	10.3
20°-30°	913.5	15.6
30°-40°	1088.9	18.6
40°-50°	1094.9	18.7
50°-60°	929.3	15.9
60°-70°	618.7	10.6
70°-80°	308.9	5.3
80°-90°	82.6	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°	1728.0	29.5
0°-40°	2816.9	48.1
0°-60°	4841.1	82.7
0°-90°	5851.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5851.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2220	2220	2220	2220	2220	
5°	2213	2214	2209	2219	2221	210
15°	2137	2139	2136	2145	2147	603
25°	1981	1981	1979	1988	1989	911
35°	1734	1736	1741	1753	1755	1082
45°	1406	1408	1417	1436	1444	1081
55°	1026	1034	1043	1053	1055	915
65°	609	614	616	625	641	611
75°	301	297	284	277	278	323
85°	78	76	71	67	61	90
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2219.8	2219.8	2219.8	2219.8	2219.8
2.5°	2218.0	2219.8	2213.9	2224.6	2227.3
5°	2213.3	2213.9	2209.1	2218.9	2221.3
7.5°	2202.5	2203.4	2198.3	2209.1	2210.6
10°	2185.2	2187.0	2182.8	2192.6	2195.0
12.5°	2163.1	2165.4	2161.3	2172.0	2173.8
15°	2136.8	2139.1	2135.9	2144.8	2146.6
17.5°	2104.5	2106.3	2104.5	2112.8	2117.6
20°	2068.3	2068.3	2068.3	2075.8	2080.0
22.5°	2023.2	2027.4	2025.6	2035.4	2039.6
25°	1981.4	1981.4	1978.7	1987.9	1989.4
27.5°	1922.8	1929.4	1928.8	1936.8	1938.6
30°	1869.3	1871.1	1872.0	1877.7	1880.9
32.5°	1804.4	1805.9	1808.6	1816.7	1817.6
35°	1734.5	1736.3	1741.1	1753.3	1755.1
37.5°	1653.2	1662.2	1666.4	1679.5	1681.0
40°	1571.6	1577.3	1589.9	1603.6	1610.2
42.5°	1488.6	1495.1	1502.6	1521.4	1527.4
45°	1405.5	1407.9	1417.1	1436.0	1444.3
47.5°	1313.4	1320.9	1329.0	1345.4	1350.5
50°	1221.4	1229.5	1234.5	1249.2	1259.0
52.5°	1128.4	1135.9	1141.6	1150.6	1160.4
55°	1026.5	1033.7	1043.0	1052.8	1055.2
57.5°	922.8	930.9	936.9	947.3	958.1
60°	811.7	820.9	829.0	838.9	849.6
62.5°	708.3	712.2	720.5	737.0	752.5
65°	609.3	614.4	615.9	625.2	640.7
67.5°	527.2	527.2	519.7	523.0	540.3
70°	440.8	437.5	431.8	428.5	442.6
72.5°	370.9	366.7	354.4	348.8	356.2
75°	300.9	296.8	283.6	277.0	277.9
77.5°	241.8	235.2	224.4	213.1	210.7
80°	183.5	180.8	170.3	159.6	151.2
82.5°	130.0	124.3	118.3	111.8	105.2
85°	78.0	76.5	70.8	66.6	61.0
87.5°	32.0	32.0	30.5	28.7	27.2
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	16.6	15.4	16.9	17.2	15.2	16.8	15.5	17.1	17.4
	3H	16.4	17.8	16.8	18.1	18.5	16.5	17.9	16.9	18.2	18.6
	4H	16.9	18.2	17.3	18.6	19.0	16.9	18.3	17.3	18.6	19.0
	6H	17.3	18.5	17.7	18.9	19.3	17.2	18.4	17.6	18.8	19.2
	8H	17.4	18.6	17.8	19.0	19.4	17.3	18.5	17.7	18.9	19.2
	12H	17.5	18.6	17.9	19.0	19.4	17.3	18.5	17.7	18.8	19.3
4H	2H	15.5	16.8	15.9	17.2	17.6	15.6	17.0	16.0	17.3	17.7
	3H	17.1	18.2	17.5	18.6	19.0	17.1	18.3	17.6	18.7	19.1
	4H	17.7	18.7	18.1	19.1	19.6	17.7	18.7	18.1	19.1	19.5
	6H	18.2	19.1	18.7	19.5	20.0	18.1	19.0	18.5	19.4	19.8
	8H	18.4	19.2	18.9	19.7	20.1	18.2	19.0	18.6	19.5	19.9
	12H	18.5	19.3	19.0	19.7	20.2	18.3	19.0	18.7	19.5	20.0
8H	4H	17.9	18.7	18.4	19.2	19.7	17.9	18.7	18.4	19.2	19.6
	6H	18.5	19.2	19.0	19.7	20.2	18.4	19.1	18.9	19.6	20.0
	8H	18.8	19.4	19.3	19.9	20.4	18.6	19.2	19.1	19.7	20.2
	12H	19.0	19.5	19.5	20.0	20.6	18.7	19.2	19.2	19.7	20.3
12H	4H	17.9	18.7	18.4	19.1	19.6	17.9	18.7	18.4	19.1	19.6
	6H	18.6	19.2	19.1	19.7	20.2	18.4	19.0	18.9	19.5	20.0
	8H	18.9	19.4	19.4	19.9	20.5	18.6	19.2	19.2	19.7	20.2

(END OF REPORT)