

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: P1471836

Luminaire Tested: 24PTR-50S-PR1-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471836
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-50S-PR1-L835-UNV-STD-W
Description: 5500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

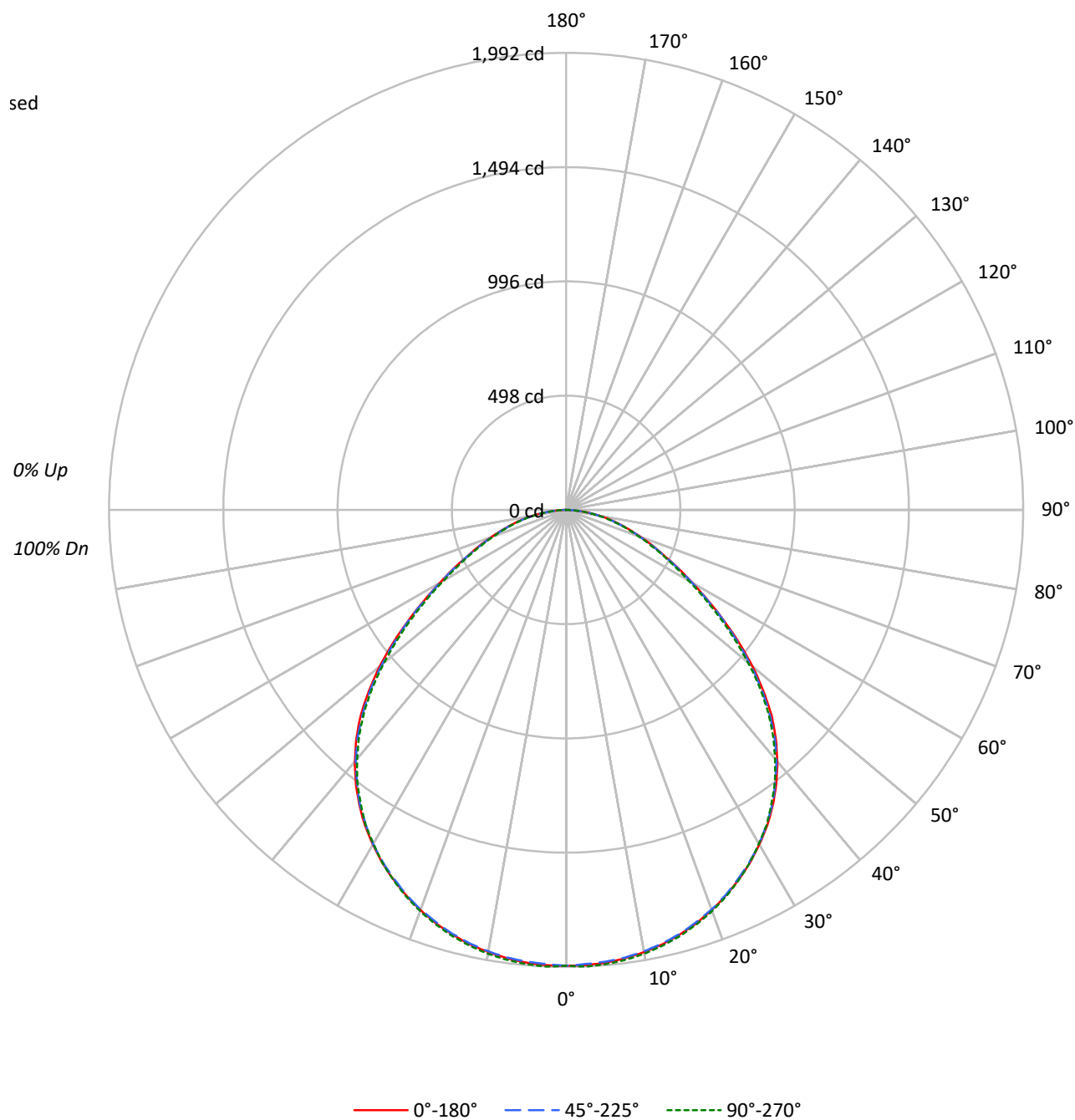
Lumens per Lamp: N/A
Luminaire Lumens: 5024.7 lumens
Efficiency: N/A
Efficacy: 113.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.1
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°	2673	2673	2673
5°	2676	2670	2685
10°	2673	2669	2683
15°	2668	2664	2677
20°	2657	2654	2664
25°	2640	2634	2643
30°	2616	2613	2610
35°	2581	2575	2564
40°	2515	2505	2488
45°	2410	2383	2366
50°	2218	2193	2166
55°	1963	1954	1916
60°	1706	1700	1654
65°	1503	1494	1465
70°	1364	1345	1317
75°	1263	1234	1211
80°	1153	1137	1099
85°	911	903	866

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2410 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.5	3.8
10°-20°	540.9	10.8
20°-30°	819.5	16.3
30°-40°	978.3	19.5
40°-50°	962.1	19.1
50°-60°	743.6	14.8
60°-70°	468.9	9.3
70°-80°	253.6	5.0
80°-90°	69.3	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°	1548.9	30.8
0°-40°	2527.2	50.3
0°-60°	4232.9	84.2
0°-90°	5024.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5024.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1987	1987	1987	1987	1987	
5°	1981	1982	1977	1985	1988	188
15°	1916	1916	1913	1919	1922	541
25°	1778	1780	1774	1780	1780	820
35°	1571	1572	1567	1565	1561	981
45°	1267	1262	1252	1243	1244	970
55°	837	844	833	820	817	751
65°	472	473	469	461	460	475
75°	243	240	237	239	233	258
85°	59	60	58	59	56	70
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1986.8	1986.8	1986.8	1986.8	1986.8
2.5°	1986.1	1986.8	1981.1	1990.5	1992.5
5°	1981.1	1981.9	1976.7	1985.3	1987.6
7.5°	1971.1	1972.6	1967.7	1976.2	1978.3
10°	1956.8	1958.4	1953.5	1962.0	1964.1
12.5°	1939.2	1939.8	1935.6	1943.4	1945.4
15°	1915.7	1916.2	1912.8	1919.1	1921.9
17.5°	1888.5	1889.3	1884.4	1892.1	1893.4
20°	1855.9	1856.4	1853.6	1860.1	1860.8
22.5°	1819.4	1821.0	1816.6	1822.3	1823.1
25°	1778.3	1779.6	1773.9	1779.6	1780.4
27.5°	1734.8	1735.3	1730.4	1734.8	1734.1
30°	1684.1	1688.5	1682.0	1680.5	1680.0
32.5°	1631.6	1632.1	1625.9	1624.3	1627.2
35°	1571.1	1571.6	1567.4	1565.4	1561.0
37.5°	1504.8	1504.8	1496.8	1495.5	1494.7
40°	1432.1	1431.3	1426.4	1421.5	1416.3
42.5°	1352.9	1354.5	1344.4	1335.9	1334.6
45°	1266.8	1261.9	1252.5	1242.7	1243.5
47.5°	1165.1	1166.4	1153.7	1145.7	1143.6
50°	1059.5	1059.5	1047.6	1039.1	1034.7
52.5°	949.3	950.1	938.7	927.3	925.0
55°	836.8	843.7	833.1	819.7	816.8
57.5°	731.4	737.1	727.1	712.8	712.0
60°	633.9	634.4	631.6	618.1	614.5
62.5°	550.6	547.0	545.4	538.4	534.0
65°	472.2	473.0	469.3	461.3	460.0
67.5°	408.8	408.0	401.6	396.6	393.8
70°	346.7	344.6	341.8	337.7	334.8
72.5°	291.3	291.3	289.0	287.7	282.8
75°	243.0	240.1	237.3	238.6	232.9
77.5°	196.6	193.8	191.5	188.6	187.3
80°	148.8	145.9	146.7	142.3	141.8
82.5°	103.2	103.2	101.9	98.3	99.1
85°	59.0	59.8	58.5	59.0	56.1
87.5°	21.5	22.0	23.5	22.0	22.0
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	15.5	14.3	15.8	16.1	13.7	15.3	14.1	15.6	15.9
	3H	15.3	16.7	15.7	17.0	17.4	15.1	16.5	15.4	16.8	17.2
	4H	15.8	17.1	16.2	17.5	17.9	15.6	16.9	16.0	17.3	17.6
	6H	16.2	17.4	16.6	17.8	18.2	16.0	17.2	16.4	17.6	18.0
	8H	16.3	17.5	16.8	17.9	18.3	16.1	17.3	16.5	17.7	18.1
	12H	16.4	17.5	16.9	17.9	18.3	16.2	17.3	16.6	17.7	18.1
4H	2H	14.4	15.7	14.8	16.1	16.4	14.2	15.5	14.6	15.9	16.2
	3H	16.0	17.1	16.4	17.5	17.9	15.8	16.9	16.2	17.3	17.7
	4H	16.6	17.6	17.0	18.0	18.5	16.4	17.4	16.9	17.8	18.3
	6H	17.2	18.0	17.6	18.5	18.9	17.0	17.8	17.4	18.3	18.7
	8H	17.3	18.1	17.8	18.6	19.0	17.1	17.9	17.6	18.4	18.9
	12H	17.5	18.2	17.9	18.7	19.1	17.3	18.0	17.7	18.5	18.9
8H	4H	16.9	17.7	17.3	18.1	18.6	16.7	17.5	17.2	17.9	18.4
	6H	17.5	18.2	18.0	18.7	19.1	17.3	18.0	17.8	18.5	19.0
	8H	17.8	18.4	18.3	18.9	19.4	17.6	18.2	18.1	18.7	19.2
	12H	17.9	18.5	18.4	19.0	19.5	17.8	18.3	18.3	18.8	19.3
12H	4H	16.9	17.6	17.4	18.1	18.5	16.7	17.4	17.2	17.9	18.4
	6H	17.6	18.2	18.1	18.6	19.2	17.4	18.0	17.9	18.5	19.0
	8H	17.8	18.4	18.4	18.9	19.4	17.7	18.2	18.2	18.7	19.3

(END OF REPORT)