

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: P1471827

Luminaire Tested: 24PTR-50S-PC3-L835-UNV-STD-B

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471827
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737711)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-50S-PC3-L835-UNV-STD-B
Description: 5500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

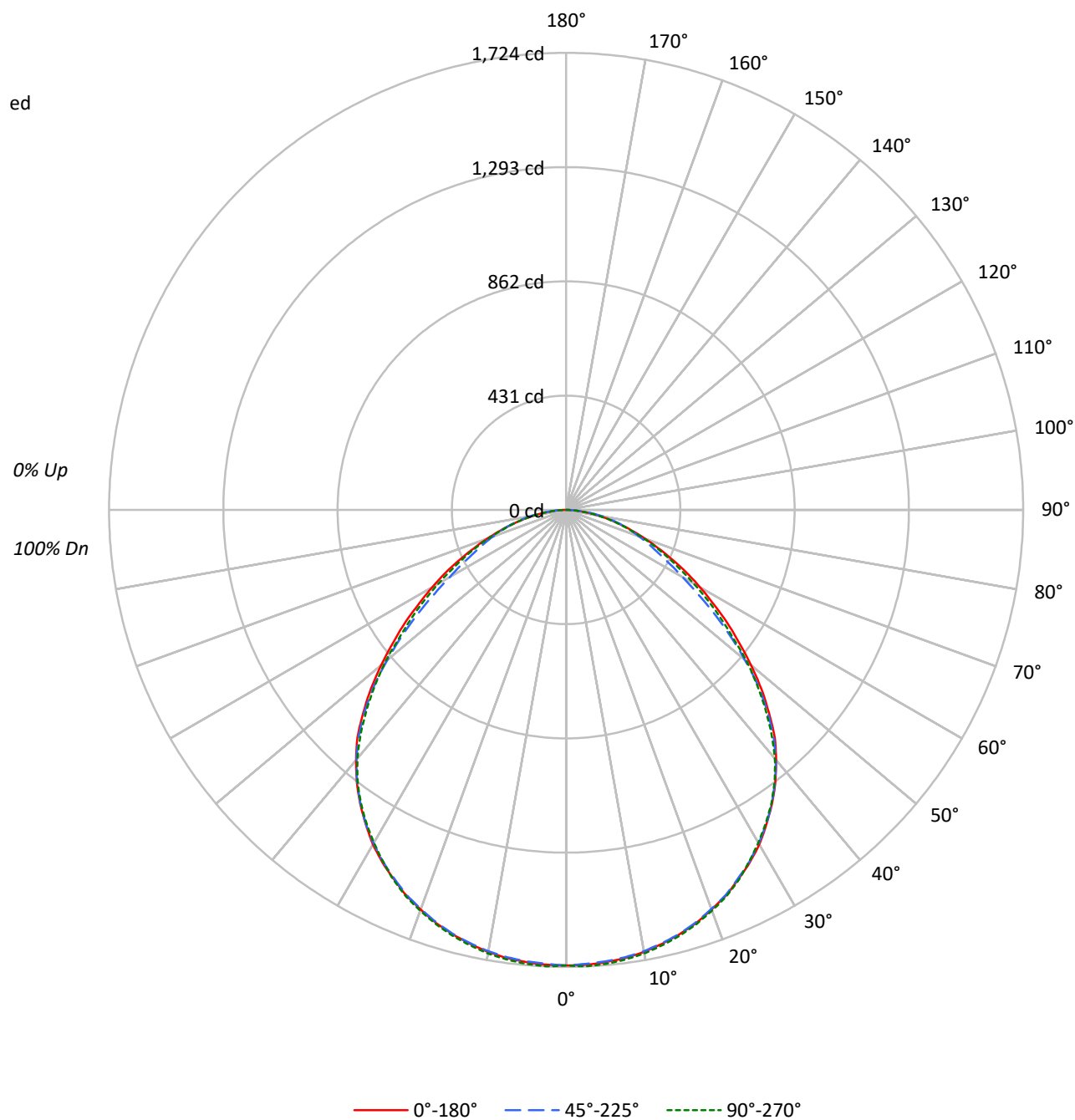
Lumens per Lamp: N/A
Luminaire Lumens: 4332.8 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	110	105	101	98	107	103	99	96		99	96	93		95	92	90		91	89	87
2	100	93	86	81	98	91	85	80		87	82	78		84	80	76		81	78	75
3	92	82	74	68	90	80	73	68		77	71	66		75	70	65		72	68	64
4	85	73	65	58	82	72	64	58		69	63	57		67	61	56		65	60	56
5	78	66	57	51	76	65	56	50		62	55	50		61	54	49		59	53	49
6	72	59	51	45	70	58	50	44		57	49	44		55	49	44		53	48	43
7	67	54	46	40	65	53	45	39		52	44	39		50	44	39		49	43	39
8	62	49	41	35	61	49	41	35		47	40	35		46	40	35		45	39	35
9	58	45	37	32	57	45	37	32		44	37	32		43	36	32		42	36	31
10	55	42	34	29	54	41	34	29		40	34	29		40	33	29		39	33	29

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2312	2312	2312
5°	2313	2309	2322
10°	2313	2309	2321
15°	2307	2305	2315
20°	2297	2294	2303
25°	2282	2278	2287
30°	2264	2257	2253
35°	2224	2221	2217
40°	2165	2161	2152
45°	2059	2043	2022
50°	1905	1841	1862
55°	1739	1598	1670
60°	1568	1363	1495
65°	1401	1219	1344
70°	1243	1153	1209
75°	1099	1118	1078
80°	948	1068	943
85°	710	844	710

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2063 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	3.8
10°-20°	467.9	10.8
20°-30°	708.4	16.3
30°-40°	844.6	19.5
40°-50°	825.2	19.0
50°-60°	631.0	14.6
60°-70°	405.1	9.4
70°-80°	225.4	5.2
80°-90°	62.2	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°	1339.3	30.9
0°-40°	2183.8	50.4
0°-60°	3640.0	84.0
0°-90°	4332.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4332.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1713	1714	1709	1718	1719	163
15°	1656	1658	1655	1660	1662	468
25°	1537	1539	1534	1539	1540	709
35°	1354	1355	1352	1352	1350	846
45°	1082	1084	1074	1071	1063	832
55°	741	716	681	690	712	663
65°	440	406	383	396	422	439
75°	212	213	215	212	207	226
85°	46	54	55	53	46	57
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1718.6	1718.6	1718.6	1718.6	1718.6
2.5°	1717.5	1718.1	1713.7	1721.1	1723.5
5°	1712.6	1713.7	1709.4	1717.5	1719.3
7.5°	1705.2	1706.3	1702.1	1710.1	1710.8
10°	1692.9	1693.6	1689.8	1697.8	1698.9
12.5°	1676.4	1678.2	1673.9	1681.3	1681.7
15°	1656.5	1657.8	1654.7	1660.3	1662.1
17.5°	1633.3	1633.9	1630.8	1636.9	1637.5
20°	1604.2	1604.2	1601.8	1608.7	1608.7
22.5°	1574.8	1573.0	1572.3	1574.8	1578.6
25°	1536.8	1538.6	1534.3	1539.3	1540.4
27.5°	1499.9	1499.9	1496.1	1498.6	1495.5
30°	1457.5	1455.1	1452.6	1453.0	1450.1
32.5°	1406.4	1406.4	1405.2	1405.2	1401.5
35°	1353.7	1354.8	1352.3	1351.6	1349.9
37.5°	1296.9	1298.9	1294.5	1293.4	1292.0
40°	1232.4	1232.4	1230.6	1228.1	1225.0
42.5°	1165.4	1165.4	1157.6	1151.3	1147.1
45°	1081.9	1084.3	1073.8	1071.4	1062.9
47.5°	998.8	997.0	982.9	981.1	976.2
50°	910.3	899.8	879.7	885.1	889.6
52.5°	821.9	808.9	779.5	785.5	792.9
55°	741.3	715.6	681.2	689.7	711.8
57.5°	657.1	622.7	588.3	604.4	631.8
60°	582.7	544.1	506.5	523.7	555.7
62.5°	511.4	470.4	440.2	456.7	483.8
65°	440.2	406.3	383.0	395.8	422.3
67.5°	375.0	352.2	336.3	342.4	363.8
70°	316.0	301.7	293.2	295.0	307.3
72.5°	260.0	256.4	253.3	253.3	254.4
75°	211.5	213.3	215.1	212.2	207.3
77.5°	166.6	172.6	177.1	170.9	164.8
80°	122.4	132.2	137.8	130.9	121.7
82.5°	83.5	94.7	96.5	92.2	81.7
85°	46.0	54.0	54.7	52.9	46.0
87.5°	17.2	20.3	22.1	20.3	17.9
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	13.4	14.9	13.7	15.3	15.6	13.2	14.7	13.5	15.0	15.3
	3H	14.8	16.2	15.2	16.5	16.9	14.6	16.0	15.0	16.3	16.7
	4H	15.4	16.7	15.8	17.0	17.4	15.2	16.5	15.6	16.8	17.2
	6H	15.7	17.0	16.2	17.3	17.7	15.6	16.8	16.0	17.2	17.5
	8H	15.9	17.0	16.3	17.4	17.8	15.7	16.9	16.1	17.2	17.6
	12H	15.9	17.0	16.4	17.4	17.9	15.8	16.9	16.2	17.3	17.7
4H	2H	13.8	15.1	14.2	15.4	15.8	13.6	14.9	14.0	15.2	15.6
	3H	15.5	16.6	15.9	16.9	17.4	15.3	16.4	15.7	16.8	17.2
	4H	16.1	17.1	16.6	17.5	18.0	16.0	17.0	16.4	17.4	17.8
	6H	16.7	17.5	17.1	18.0	18.4	16.5	17.4	17.0	17.8	18.3
	8H	16.8	17.7	17.3	18.1	18.6	16.7	17.5	17.2	18.0	18.4
	12H	17.0	17.7	17.4	18.2	18.6	16.8	17.5	17.3	18.0	18.5
8H	4H	16.4	17.2	16.9	17.7	18.1	16.3	17.1	16.7	17.5	18.0
	6H	17.1	17.7	17.6	18.2	18.7	16.9	17.6	17.4	18.1	18.6
	8H	17.3	17.9	17.8	18.4	18.9	17.2	17.8	17.7	18.3	18.8
	12H	17.5	18.0	18.0	18.5	19.1	17.4	17.9	17.9	18.4	19.0
12H	4H	16.4	17.2	16.9	17.6	18.1	16.3	17.0	16.8	17.5	18.0
	6H	17.1	17.7	17.7	18.2	18.7	17.0	17.6	17.5	18.1	18.6
	8H	17.4	18.0	17.9	18.5	19.0	17.3	17.8	17.8	18.3	18.9

(END OF REPORT)