

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: P1471828

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471828
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-W
Description: 5500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PC3 Lens White Reces:
Frame
Light Source: -
Ballast/Driver: -

Summary

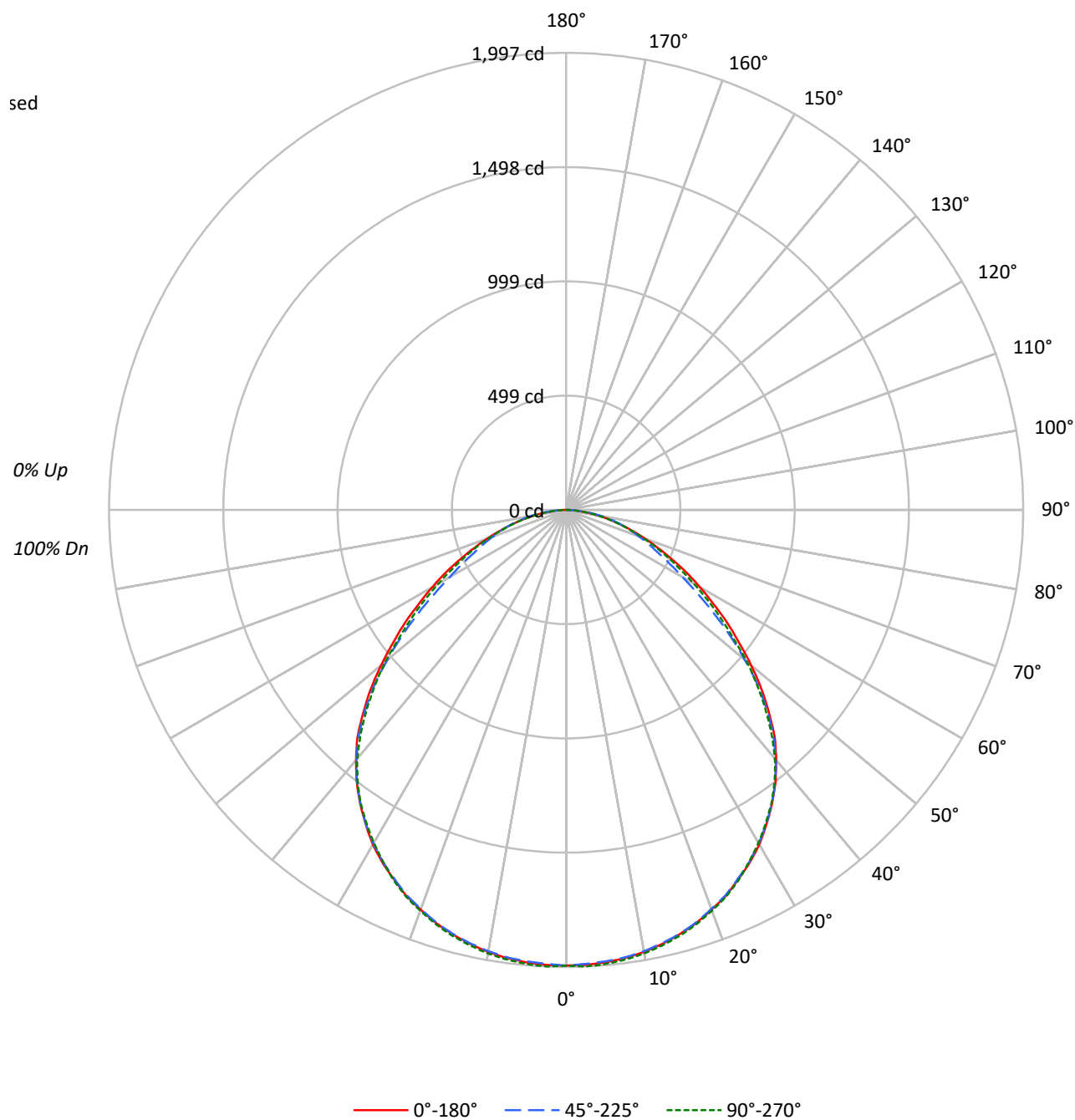
Lumens per Lamp: N/A
Luminaire Lumens: 5019.7 lumens
Efficiency: N/A
Efficacy: 113.8 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.25 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	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	87	87	87	85
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	75	75	72
3	92	82	74	68	90	80	73	68	77	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	46	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	40	33	29	39	33	29	29	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2679	2679	2679
5°	2680	2675	2690
10°	2680	2675	2689
15°	2673	2670	2682
20°	2661	2657	2669
25°	2643	2639	2649
30°	2623	2615	2610
35°	2576	2573	2569
40°	2508	2504	2493
45°	2385	2367	2343
50°	2208	2133	2157
55°	2015	1851	1934
60°	1817	1579	1732
65°	1624	1413	1558
70°	1440	1336	1400
75°	1274	1295	1248
80°	1099	1237	1093
85°	823	979	823

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2390 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.8	3.8
10°-20°	542.1	10.8
20°-30°	820.7	16.3
30°-40°	978.4	19.5
40°-50°	956.0	19.0
50°-60°	731.0	14.6
60°-70°	469.4	9.4
70°-80°	261.1	5.2
80°-90°	72.1	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°	1551.6	30.9
0°-40°	2530.0	50.4
0°-60°	4217.1	84.0
0°-90°	5019.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5019.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1991	1991	1991	1991	1991	
5°	1984	1985	1980	1990	1992	189
15°	1919	1921	1917	1924	1926	542
25°	1780	1782	1778	1783	1785	821
35°	1568	1570	1567	1566	1564	980
45°	1253	1256	1244	1241	1231	964
55°	859	829	789	799	825	768
65°	510	471	444	458	489	509
75°	245	247	249	246	240	262
85°	53	63	63	61	53	66
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1991.1	1991.1	1991.1	1991.1	1991.1
2.5°	1989.8	1990.5	1985.4	1993.9	1996.7
5°	1984.1	1985.4	1980.4	1989.8	1991.8
7.5°	1975.5	1976.8	1971.9	1981.2	1982.0
10°	1961.3	1962.1	1957.7	1967.0	1968.3
12.5°	1942.2	1944.2	1939.3	1947.8	1948.4
15°	1919.1	1920.7	1917.1	1923.5	1925.6
17.5°	1892.2	1893.0	1889.4	1896.4	1897.1
20°	1858.6	1858.6	1855.7	1863.8	1863.8
22.5°	1824.4	1822.4	1821.6	1824.4	1828.8
25°	1780.4	1782.5	1777.6	1783.3	1784.6
27.5°	1737.7	1737.7	1733.3	1736.2	1732.6
30°	1688.6	1685.7	1682.9	1683.4	1680.0
32.5°	1629.3	1629.3	1628.0	1628.0	1623.6
35°	1568.3	1569.6	1566.7	1565.9	1563.9
37.5°	1502.5	1504.9	1499.7	1498.4	1496.8
40°	1427.8	1427.8	1425.7	1422.8	1419.2
42.5°	1350.1	1350.1	1341.1	1333.8	1328.9
45°	1253.4	1256.2	1244.1	1241.2	1231.4
47.5°	1157.1	1155.0	1138.7	1136.7	1131.0
50°	1054.7	1042.5	1019.2	1025.4	1030.6
52.5°	952.2	937.2	903.0	910.0	918.5
55°	858.8	829.0	789.2	799.0	824.6
57.5°	761.2	721.4	681.5	700.2	732.0
60°	675.1	630.3	586.8	606.8	643.8
62.5°	592.5	544.9	510.0	529.1	560.4
65°	510.0	470.7	443.8	458.5	489.3
67.5°	434.4	408.0	389.7	396.7	421.5
70°	366.1	349.6	339.7	341.8	356.0
72.5°	301.2	297.0	293.4	293.4	294.7
75°	245.0	247.1	249.2	245.8	240.1
77.5°	193.0	200.0	205.2	197.9	191.0
80°	141.8	153.2	159.6	151.6	141.0
82.5°	96.8	109.7	111.8	106.9	94.7
85°	53.3	62.6	63.4	61.3	53.3
87.5°	19.9	23.5	25.6	23.5	20.7
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	15.4	14.3	15.8	16.1	13.7	15.2	14.0	15.5	15.9
	3H	15.3	16.7	15.7	17.1	17.4	15.1	16.5	15.5	16.8	17.2
	4H	15.9	17.2	16.3	17.5	17.9	15.7	17.0	16.1	17.3	17.7
	6H	16.3	17.5	16.7	17.8	18.2	16.1	17.3	16.5	17.7	18.1
	8H	16.4	17.5	16.8	17.9	18.3	16.2	17.4	16.6	17.8	18.2
	12H	16.4	17.6	16.9	17.9	18.4	16.3	17.4	16.7	17.8	18.2
4H	2H	14.3	15.6	14.7	15.9	16.3	14.1	15.4	14.5	15.8	16.1
	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	17.1	18.1	18.5	16.5	17.5	16.9	17.9	18.3
	6H	17.2	18.1	17.6	18.5	19.0	17.0	17.9	17.5	18.3	18.8
	8H	17.4	18.2	17.8	18.6	19.1	17.2	18.0	17.7	18.5	18.9
	12H	17.5	18.2	17.9	18.7	19.1	17.3	18.0	17.8	18.5	19.0
8H	4H	16.9	17.7	17.4	18.2	18.6	16.8	17.6	17.2	18.0	18.5
	6H	17.6	18.3	18.1	18.7	19.2	17.5	18.1	18.0	18.6	19.1
	8H	17.8	18.4	18.3	18.9	19.4	17.7	18.3	18.2	18.8	19.3
	12H	18.0	18.5	18.5	19.0	19.6	17.9	18.4	18.4	18.9	19.5
12H	4H	16.9	17.7	17.4	18.1	18.6	16.8	17.5	17.3	18.0	18.5
	6H	17.6	18.3	18.2	18.7	19.3	17.5	18.1	18.0	18.6	19.1
	8H	17.9	18.5	18.4	19.0	19.5	17.8	18.4	18.3	18.8	19.4

(END OF REPORT)