

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: P1471835

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

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471835
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-B
Description: 5500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND PR1 Lens Black Recess Frame
Light Source: -
Ballast/Driver: -

Summary

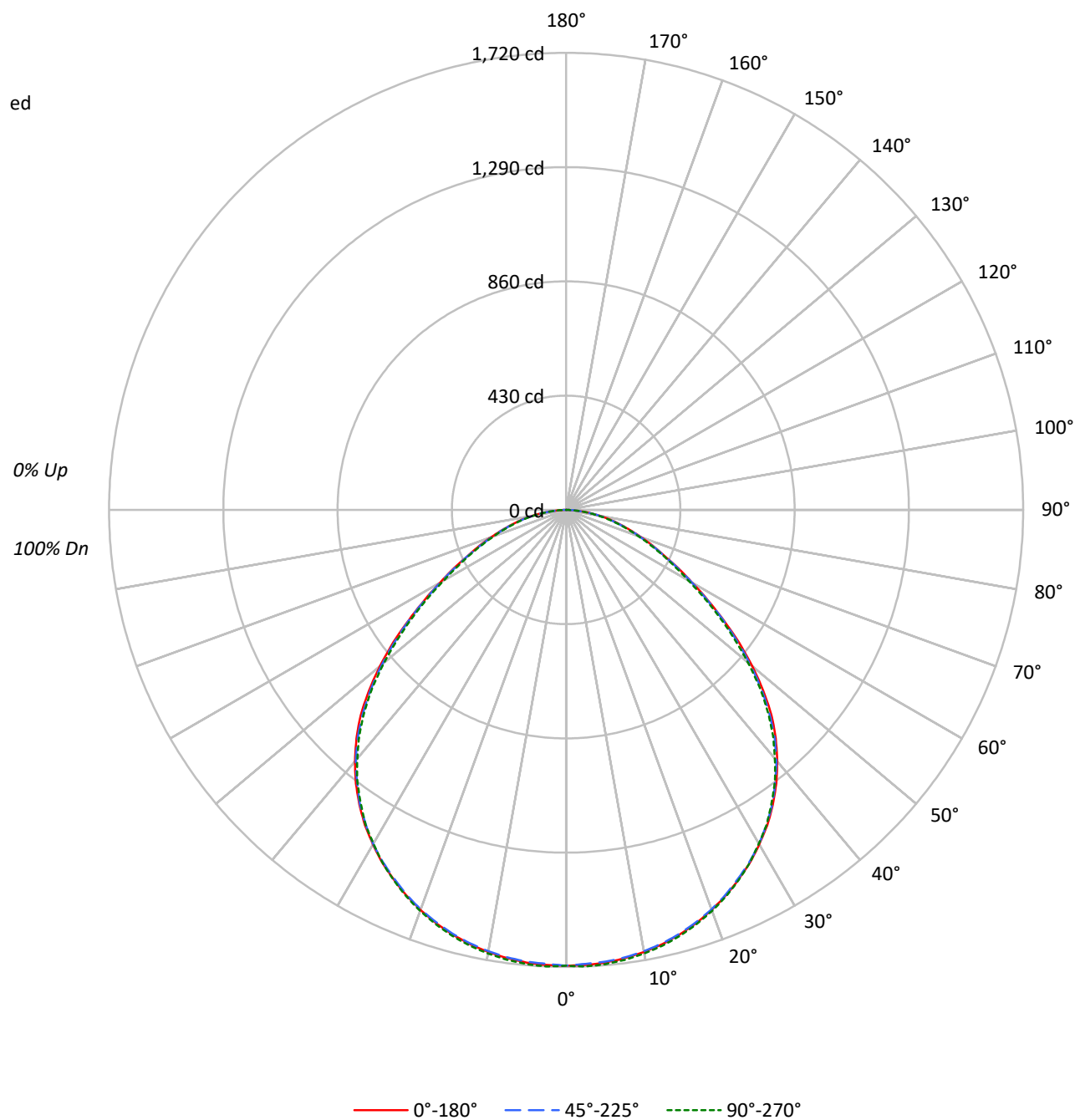
Lumens per Lamp: N/A
Luminaire Lumens: 4337.1 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1471835

CATALOG NUMBER: 24PTR-50S-PR1-L835-UNV-STD-B

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2308	2308	2308
5°	2310	2304	2317
10°	2308	2304	2316
15°	2303	2300	2311
20°	2294	2291	2300
25°	2279	2273	2281
30°	2259	2256	2253
35°	2227	2222	2213
40°	2171	2162	2147
45°	2081	2057	2042
50°	1914	1893	1869
55°	1694	1687	1654
60°	1473	1467	1427
65°	1298	1290	1264
70°	1177	1161	1137
75°	1090	1065	1045
80°	995	981	948
85°	786	780	749

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2081 cd/sqm

TEST NUMBER: P1471835

CATALOG NUMBER: 24PTR-50S-PR1-L835-UNV-STD-B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.7	3.8
10°-20°	466.9	10.8
20°-30°	707.4	16.3
30°-40°	844.4	19.5
40°-50°	830.4	19.1
50°-60°	641.9	14.8
60°-70°	404.7	9.3
70°-80°	218.9	5.0
80°-90°	59.8	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°	1337.0	30.8
0°-40°	2181.4	50.3
0°-60°	3653.7	84.2
0°-90°	4337.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4337.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1715	1715	1715	1715	1715	
5°	1710	1711	1706	1714	1716	163
15°	1654	1654	1651	1656	1659	467
25°	1535	1536	1531	1536	1537	707
35°	1356	1356	1353	1351	1347	847
45°	1093	1089	1081	1073	1073	837
55°	722	728	719	708	705	648
65°	408	408	405	398	397	410
75°	210	207	205	206	201	223
85°	51	52	50	51	48	61
90°	0	0	0	0	0	

TEST NUMBER: P1471835

CATALOG NUMBER: 24PTR-50S-PR1-L835-UNV-STD-B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1715.0	1715.0	1715.0	1715.0	1715.0
2.5°	1714.3	1715.0	1710.0	1718.1	1719.9
5°	1710.0	1710.7	1706.2	1713.6	1715.6
7.5°	1701.3	1702.7	1698.4	1705.8	1707.6
10°	1689.1	1690.4	1686.1	1693.5	1695.3
12.5°	1673.9	1674.3	1670.7	1677.4	1679.2
15°	1653.5	1654.0	1651.1	1656.4	1658.9
17.5°	1630.1	1630.8	1626.5	1633.2	1634.3
20°	1602.0	1602.4	1599.9	1605.5	1606.2
22.5°	1570.5	1571.8	1568.0	1572.9	1573.6
25°	1535.0	1536.1	1531.2	1536.1	1536.7
27.5°	1497.4	1497.9	1493.6	1497.4	1496.8
30°	1453.7	1457.5	1451.9	1450.5	1450.1
32.5°	1408.3	1408.8	1403.4	1402.1	1404.5
35°	1356.1	1356.5	1352.9	1351.2	1347.4
37.5°	1298.9	1298.9	1292.0	1290.9	1290.2
40°	1236.1	1235.5	1231.2	1227.0	1222.5
42.5°	1167.8	1169.1	1160.4	1153.1	1151.9
45°	1093.4	1089.2	1081.1	1072.7	1073.3
47.5°	1005.7	1006.8	995.8	988.9	987.1
50°	914.5	914.5	904.3	896.9	893.1
52.5°	819.4	820.1	810.2	800.4	798.4
55°	722.3	728.3	719.1	707.5	705.1
57.5°	631.4	636.3	627.6	615.3	614.6
60°	547.2	547.6	545.2	533.5	530.4
62.5°	475.2	472.1	470.8	464.8	461.0
65°	407.6	408.2	405.1	398.2	397.1
67.5°	352.9	352.2	346.6	342.4	339.9
70°	299.3	297.5	295.0	291.4	289.0
72.5°	251.5	251.5	249.5	248.3	244.1
75°	209.7	207.3	204.8	205.9	201.0
77.5°	169.7	167.3	165.3	162.8	161.7
80°	128.4	126.0	126.6	122.8	122.4
82.5°	89.1	89.1	88.0	84.9	85.5
85°	50.9	51.6	50.5	50.9	48.5
87.5°	18.5	19.0	20.3	19.0	19.0
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	13.4	15.0	13.8	15.3	15.6	13.2	14.8	13.6	15.1	15.4
	3H	14.8	16.2	15.2	16.5	16.9	14.6	16.0	14.9	16.3	16.6
	4H	15.3	16.6	15.7	17.0	17.3	15.1	16.4	15.5	16.7	17.1
	6H	15.7	16.9	16.1	17.3	17.7	15.5	16.7	15.9	17.1	17.5
	8H	15.8	17.0	16.3	17.4	17.8	15.6	16.8	16.0	17.2	17.6
	12H	15.9	17.0	16.3	17.4	17.8	15.7	16.8	16.1	17.2	17.6
4H	2H	13.9	15.2	14.3	15.5	15.9	13.7	15.0	14.1	15.4	15.7
	3H	15.5	16.5	15.9	16.9	17.3	15.3	16.4	15.7	16.8	17.2
	4H	16.1	17.1	16.5	17.5	17.9	15.9	16.9	16.4	17.3	17.8
	6H	16.6	17.5	17.1	17.9	18.4	16.5	17.3	16.9	17.8	18.2
	8H	16.8	17.6	17.3	18.1	18.5	16.6	17.4	17.1	17.9	18.3
	12H	16.9	17.7	17.4	18.1	18.6	16.7	17.5	17.2	17.9	18.4
8H	4H	16.3	17.1	16.8	17.6	18.1	16.2	17.0	16.7	17.4	17.9
	6H	17.0	17.7	17.5	18.2	18.6	16.8	17.5	17.3	18.0	18.5
	8H	17.2	17.8	17.8	18.4	18.8	17.1	17.7	17.6	18.2	18.7
	12H	17.4	18.0	17.9	18.5	19.0	17.2	17.8	17.8	18.3	18.8
12H	4H	16.4	17.1	16.8	17.6	18.0	16.2	16.9	16.7	17.4	17.9
	6H	17.1	17.7	17.6	18.1	18.7	16.9	17.5	17.4	18.0	18.5
	8H	17.3	17.9	17.8	18.4	18.9	17.2	17.7	17.7	18.2	18.8

(END OF REPORT)