

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: P1471792

Luminaire Tested: 24PTR-40S-L835-UNV-STD-W

Issue Date: 6/22/2026

Test Information

Test Method: LM-79-2019
Report Number: P1471792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/22/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40S-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND Frosted Lens White Recessed Frame
Light Source: -
Ballast/Driver: -

Summary

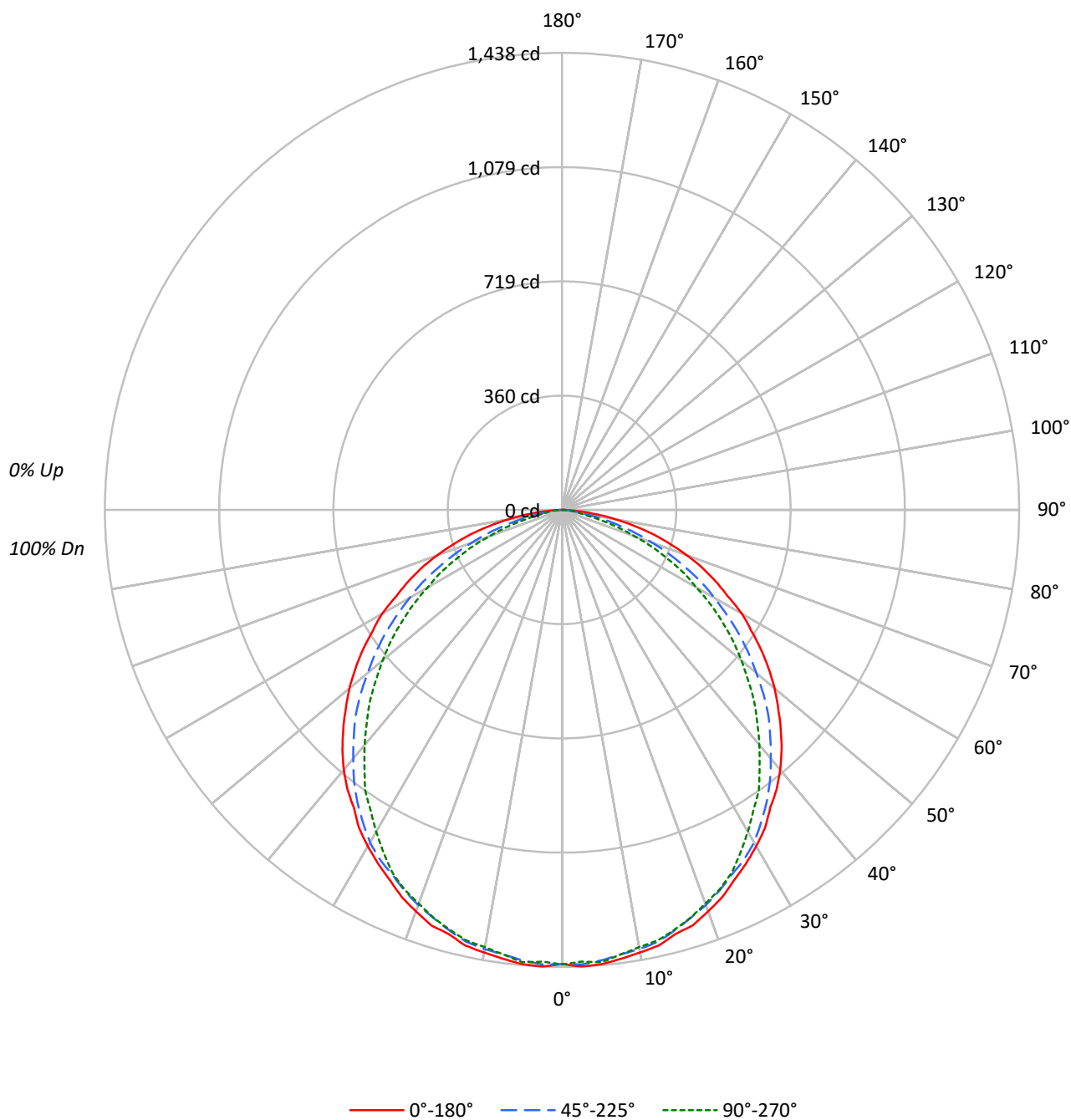
Lumens per Lamp: N/A
Luminaire Lumens: 3807.6 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 30.3
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			0
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	96		98	95	93			95	92	90			91
2	100	92	85	80	97	90	84	79		87	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		76	70	65			74	68	64			71
4	84	72	63	57	81	71	63	56		68	61	56			66	60	55			64
5	77	64	56	49	75	63	55	49		61	54	48			59	53	48			57
6	71	58	49	43	69	57	49	43		55	48	42			54	47	42			52
7	66	53	44	38	64	52	44	38		50	43	38			49	42	37			48
8	61	48	40	34	60	47	39	34		46	39	34			45	38	33			44
9	57	44	36	31	56	44	36	30		42	35	30			41	35	30			40
10	54	41	33	28	53	40	33	28		39	32	28			38	32	27			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1923	1923	1923
5°	1938	1921	1930
10°	1932	1917	1909
15°	1924	1908	1905
20°	1925	1894	1887
25°	1906	1878	1872
30°	1898	1877	1816
35°	1877	1843	1772
40°	1875	1794	1696
45°	1852	1748	1628
50°	1827	1670	1540
55°	1791	1592	1446
60°	1760	1489	1313
65°	1699	1366	1174
70°	1644	1189	958
75°	1544	938	660
80°	1339	567	396
85°	894	408	381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1852 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	135.5	3.6
10°-20°	387.7	10.2
20°-30°	585.7	15.4
30°-40°	696.4	18.3
40°-50°	706.2	18.5
50°-60°	613.3	16.1
60°-70°	435.4	11.4
70°-80°	208.0	5.5
80°-90°	39.4	1.0
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°	1108.9	29.1
0°-40°	1805.3	47.4
0°-60°	3124.8	82.1
0°-90°	3807.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3807.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1430	1430	1430	1430	1430	
5°	1435	1430	1423	1426	1429	136
15°	1381	1384	1370	1368	1367	391
25°	1284	1282	1265	1270	1261	593
35°	1142	1141	1122	1084	1079	718
45°	973	965	919	870	856	751
55°	764	741	678	638	616	682
65°	534	494	429	383	369	529
75°	297	243	180	143	127	312
85°	58	31	26	26	25	73
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1429.5	1429.5	1429.5	1429.5	1429.5
2.5°	1438.0	1432.9	1431.2	1437.1	1422.6
5°	1434.6	1429.5	1422.6	1426.1	1428.6
7.5°	1424.3	1420.1	1410.7	1418.4	1410.7
10°	1414.1	1409.9	1403.1	1405.6	1397.1
12.5°	1403.9	1393.7	1392.0	1393.7	1387.7
15°	1380.9	1384.3	1369.9	1368.2	1367.3
17.5°	1369.9	1361.3	1346.0	1346.9	1345.2
20°	1344.3	1334.1	1323.0	1321.3	1317.9
22.5°	1317.9	1306.0	1295.8	1300.9	1293.2
25°	1283.9	1282.2	1265.1	1270.2	1260.9
27.5°	1254.1	1248.1	1240.5	1229.4	1215.8
30°	1221.7	1215.8	1208.1	1179.2	1168.9
32.5°	1187.7	1180.9	1165.5	1131.5	1120.4
35°	1142.5	1140.8	1122.1	1083.8	1078.7
37.5°	1108.5	1089.8	1074.4	1035.3	1020.8
40°	1067.6	1057.4	1021.6	984.2	965.5
42.5°	1022.5	1010.6	969.7	929.7	909.3
45°	973.1	964.6	918.6	870.1	855.6
47.5°	922.0	914.4	859.9	813.1	794.3
50°	872.7	863.3	797.7	752.6	735.6
52.5°	819.0	803.7	739.0	694.7	678.5
55°	763.7	740.7	678.5	638.5	616.4
57.5°	704.9	683.7	614.7	573.0	555.1
60°	653.9	624.1	553.4	510.8	487.8
62.5°	588.3	562.8	495.5	445.3	434.2
65°	533.8	493.8	429.1	383.1	368.6
67.5°	478.5	431.6	366.1	319.3	311.6
70°	418.0	369.5	302.2	256.3	243.5
72.5°	356.7	309.0	243.5	195.0	187.3
75°	297.1	242.6	180.5	143.0	126.9
77.5°	232.4	183.0	126.9	87.7	77.5
80°	172.8	123.4	73.2	51.9	51.1
82.5°	113.2	71.5	39.2	40.0	38.3
85°	57.9	30.6	26.4	25.5	24.7
87.5°	11.1	11.9	12.8	12.8	12.8
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	14.4	16.0	14.8	16.3	16.6	13.1	14.7	13.5	15.0	15.3
	3H	16.2	17.7	16.6	18.0	18.4	14.4	15.8	14.7	16.1	16.5
	4H	16.9	18.3	17.3	18.6	19.0	14.7	16.0	15.1	16.4	16.7
	6H	17.4	18.7	17.8	19.0	19.4	14.7	16.0	15.1	16.4	16.7
	8H	17.6	18.7	18.0	19.1	19.5	14.7	15.9	15.2	16.3	16.7
	12H	17.6	18.8	18.0	19.1	19.6	14.8	15.9	15.2	16.3	16.7
4H	2H	14.8	16.2	15.2	16.5	16.9	13.8	15.1	14.2	15.5	15.8
	3H	16.9	18.0	17.3	18.4	18.8	15.2	16.3	15.6	16.7	17.1
	4H	17.6	18.7	18.1	19.1	19.5	15.6	16.6	16.0	17.0	17.4
	6H	18.2	19.1	18.7	19.6	20.0	15.7	16.6	16.1	17.0	17.5
	8H	18.4	19.2	18.9	19.7	20.1	15.7	16.5	16.2	17.0	17.4
	12H	18.5	19.2	19.0	19.7	20.2	15.7	16.5	16.2	16.9	17.4
8H	4H	17.7	18.6	18.2	19.0	19.5	15.8	16.7	16.3	17.1	17.6
	6H	18.4	19.1	18.9	19.6	20.0	16.0	16.7	16.5	17.2	17.6
	8H	18.6	19.2	19.1	19.7	20.2	16.0	16.6	16.5	17.1	17.6
	12H	18.7	19.3	19.2	19.7	20.3	16.1	16.6	16.6	17.1	17.7
12H	4H	17.7	18.5	18.2	18.9	19.4	15.8	16.6	16.3	17.1	17.5
	6H	18.4	19.0	18.9	19.4	20.0	16.0	16.6	16.5	17.1	17.6
	8H	18.6	19.1	19.1	19.6	20.2	16.1	16.6	16.6	17.1	17.7

(END OF REPORT)