

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: P1050479

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

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2310-200-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-L835-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 80 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

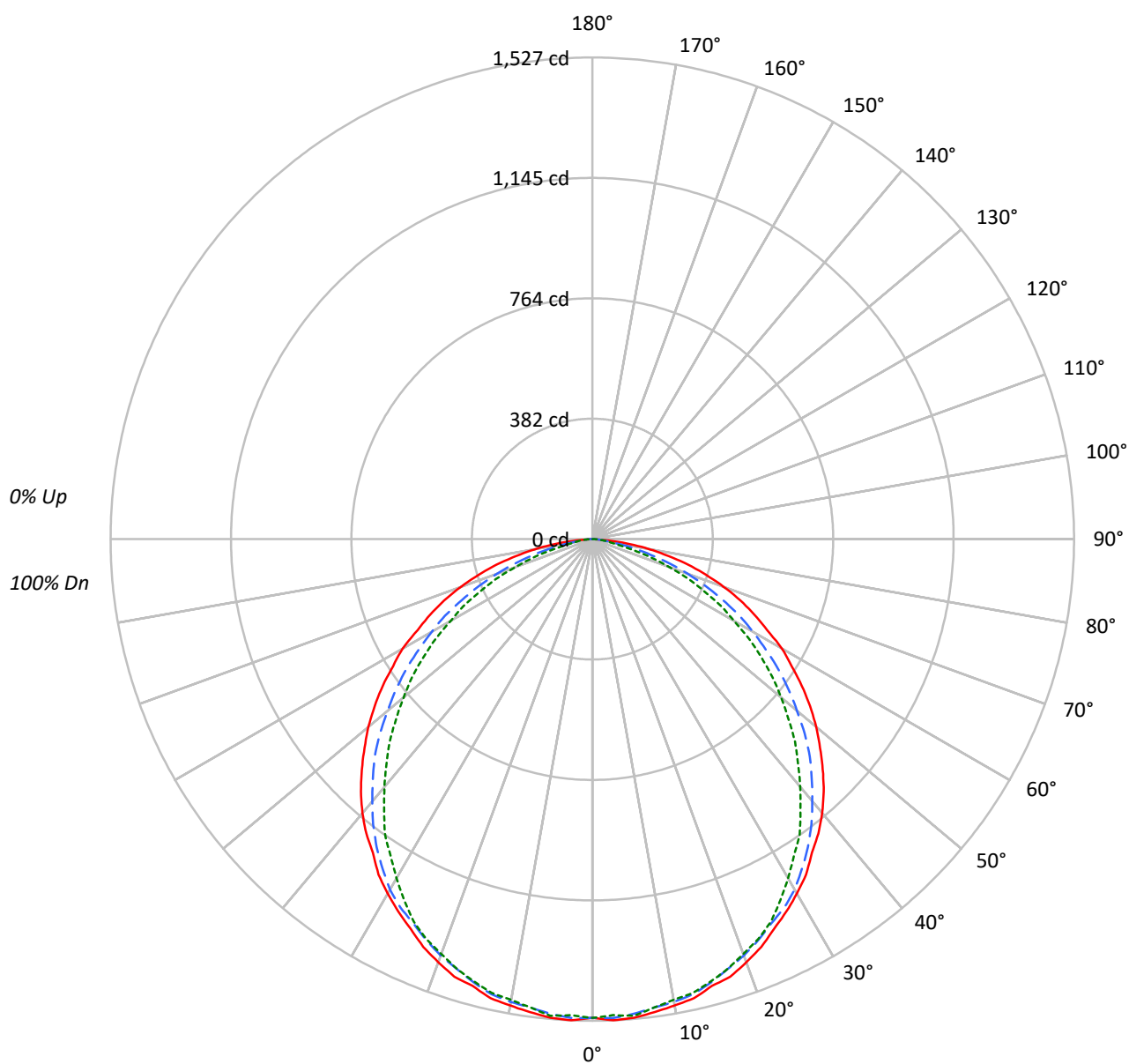
Lumens per Lamp: N/A
Luminaire Lumens: 4042.7 lumens
Efficiency: N/A
Efficacy: 122.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 33
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor:
Total Harmonic Distortion (THDi):
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
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					10
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
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°	2042	2042	2042
5°	2057	2040	2049
10°	2051	2035	2027
15°	2042	2026	2022
20°	2044	2011	2004
25°	2024	1994	1987
30°	2015	1993	1928
35°	1993	1957	1881
40°	1991	1905	1800
45°	1966	1856	1729
50°	1939	1773	1635
55°	1902	1690	1535
60°	1868	1581	1394
65°	1805	1450	1246
70°	1746	1262	1017
75°	1640	996	700
80°	1422	602	420
85°	949	432	404

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1966 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	3.6
10°-20°	411.7	10.2
20°-30°	621.8	15.4
30°-40°	739.4	18.3
40°-50°	749.9	18.5
50°-60°	651.1	16.1
60°-70°	462.2	11.4
70°-80°	220.9	5.5
80°-90°	41.9	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°	1177.4	29.1
0°-40°	1916.7	47.4
0°-60°	3317.7	82.1
0°-90°	4042.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4042.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1518	1518	1518	1518	1518	
5°	1523	1518	1510	1514	1517	145
15°	1466	1470	1454	1453	1452	415
25°	1363	1361	1343	1349	1339	630
35°	1213	1211	1191	1151	1145	762
45°	1033	1024	975	924	908	797
55°	811	786	720	678	654	725
65°	567	524	456	407	391	561
75°	316	258	192	152	135	331
85°	62	32	28	27	26	78
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1517.7	1517.7	1517.7	1517.7	1517.7
2.5°	1526.8	1521.3	1519.5	1525.8	1510.5
5°	1523.1	1517.7	1510.5	1514.1	1516.8
7.5°	1512.3	1507.8	1497.8	1506.0	1497.8
10°	1501.4	1496.9	1489.7	1492.4	1483.4
12.5°	1490.6	1479.7	1477.9	1479.7	1473.4
15°	1466.2	1469.8	1454.4	1452.6	1451.7
17.5°	1454.4	1445.4	1429.1	1430.0	1428.2
20°	1427.3	1416.5	1404.7	1402.9	1399.3
22.5°	1399.3	1386.6	1375.8	1381.2	1373.1
25°	1363.1	1361.3	1343.3	1348.7	1338.7
27.5°	1331.5	1325.2	1317.0	1305.3	1290.8
30°	1297.2	1290.8	1282.7	1252.0	1241.1
32.5°	1261.0	1253.8	1237.5	1201.3	1189.6
35°	1213.1	1211.3	1191.4	1150.7	1145.3
37.5°	1176.9	1157.0	1140.8	1099.2	1083.8
40°	1133.5	1122.7	1084.7	1045.0	1025.1
42.5°	1085.6	1073.0	1029.6	987.1	965.4
45°	1033.2	1024.2	975.4	923.8	908.5
47.5°	979.0	970.8	913.0	863.3	843.4
50°	926.5	916.6	847.0	799.1	781.0
52.5°	869.6	853.3	784.6	737.6	720.4
55°	810.8	786.4	720.4	678.0	654.5
57.5°	748.5	725.9	652.6	608.4	589.4
60°	694.2	662.6	587.6	542.4	518.0
62.5°	624.6	597.5	526.1	472.8	461.0
65°	566.8	524.3	455.6	406.8	391.4
67.5°	508.0	458.3	388.7	339.0	330.8
70°	443.8	392.3	320.9	272.1	258.5
72.5°	378.8	328.1	258.5	207.0	198.9
75°	315.5	257.6	191.6	151.9	134.7
77.5°	246.8	194.3	134.7	93.1	82.3
80°	183.5	131.1	77.7	55.1	54.2
82.5°	120.2	75.9	41.6	42.5	40.7
85°	61.5	32.5	28.0	27.1	26.2
87.5°	11.8	12.7	13.6	13.6	13.6
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)