

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: P1050525

Luminaire Tested: 24PTR-50-L935-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050525
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-50-L935-UNV-STD-W
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND FROSTED LENS

Light Source:
Ballast/Driver: -

Summary

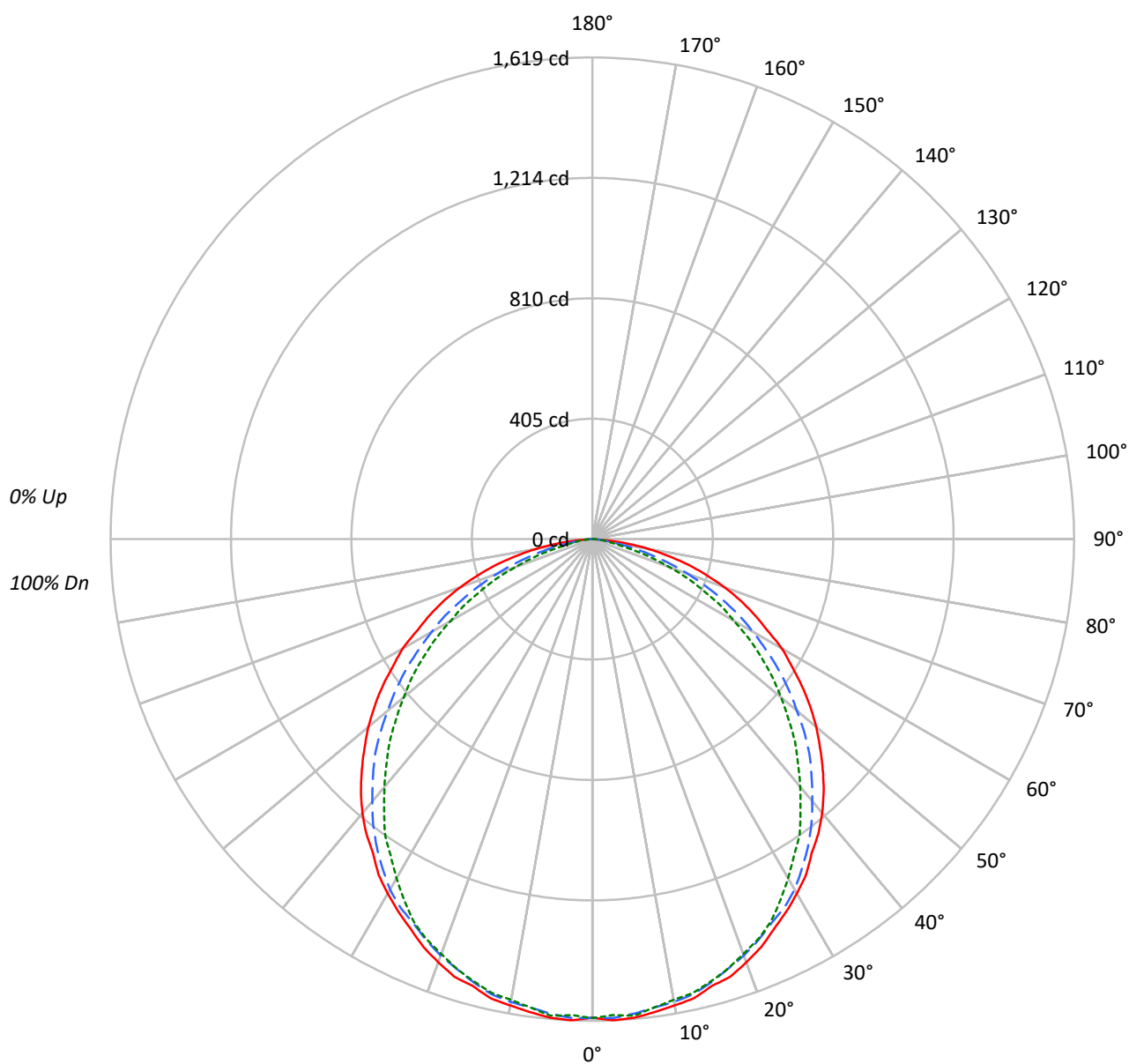
Lumens per Lamp: N/A
Luminaire Lumens: 4286.1 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.27 / 1.21 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41
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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	87	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	63	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	54	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	47	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	42	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	37	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	33	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	30	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	27	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2165	2165	2165
5°	2181	2163	2172
10°	2175	2158	2149
15°	2165	2148	2144
20°	2167	2132	2124
25°	2146	2114	2107
30°	2137	2113	2044
35°	2112	2075	1994
40°	2111	2020	1909
45°	2084	1968	1833
50°	2056	1880	1733
55°	2017	1792	1628
60°	1981	1676	1478
65°	1913	1538	1321
70°	1851	1338	1078
75°	1739	1056	742
80°	1507	638	446
85°	1007	459	429

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2084 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.5	3.6
10°-20°	436.5	10.2
20°-30°	659.3	15.4
30°-40°	783.9	18.3
40°-50°	795.0	18.5
50°-60°	690.3	16.1
60°-70°	490.1	11.4
70°-80°	234.2	5.5
80°-90°	44.4	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°	1248.3	29.1
0°-40°	2032.1	47.4
0°-60°	3517.4	82.1
0°-90°	4286.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4286.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1609	1609	1609	1609	1609	
5°	1615	1609	1601	1605	1608	153
15°	1554	1558	1542	1540	1539	440
25°	1445	1443	1424	1430	1419	667
35°	1286	1284	1263	1220	1214	808
45°	1095	1086	1034	979	963	845
55°	860	834	764	719	694	768
65°	601	556	483	431	415	595
75°	334	273	203	161	143	351
85°	65	34	30	29	28	82
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1609.1	1609.1	1609.1	1609.1	1609.1
2.5°	1618.7	1612.9	1611.0	1617.7	1601.4
5°	1614.8	1609.1	1601.4	1605.3	1608.1
7.5°	1603.3	1598.5	1588.0	1596.6	1588.0
10°	1591.8	1587.0	1579.4	1582.3	1572.7
12.5°	1580.3	1568.8	1566.9	1568.8	1562.1
15°	1554.5	1558.3	1542.0	1540.1	1539.1
17.5°	1542.0	1532.4	1515.2	1516.1	1514.2
20°	1513.3	1501.8	1489.3	1487.4	1483.5
22.5°	1483.5	1470.1	1458.6	1464.4	1455.8
25°	1445.2	1443.3	1424.1	1429.9	1419.3
27.5°	1411.7	1405.0	1396.3	1383.9	1368.5
30°	1375.2	1368.5	1359.9	1327.3	1315.8
32.5°	1336.9	1329.2	1312.0	1273.7	1261.2
35°	1286.1	1284.2	1263.1	1220.0	1214.2
37.5°	1247.8	1226.7	1209.5	1165.4	1149.1
40°	1201.8	1190.3	1150.0	1107.9	1086.8
42.5°	1151.0	1137.6	1091.6	1046.5	1023.5
45°	1095.4	1085.8	1034.1	979.4	963.2
47.5°	1037.9	1029.3	967.9	915.2	894.2
50°	982.3	971.8	898.0	847.2	828.0
52.5°	921.9	904.7	831.9	782.0	763.8
55°	859.7	833.8	763.8	718.8	693.9
57.5°	793.5	769.6	691.9	645.0	624.9
60°	736.0	702.5	622.9	575.0	549.1
62.5°	662.2	633.5	557.8	501.2	488.8
65°	600.9	555.8	483.0	431.3	415.0
67.5°	538.6	485.9	412.1	359.4	350.8
70°	470.6	415.9	340.2	288.5	274.1
72.5°	401.6	347.9	274.1	219.5	210.8
75°	334.5	273.1	203.2	161.0	142.8
77.5°	261.6	206.0	142.8	98.7	87.2
80°	194.5	139.0	82.4	58.5	57.5
82.5°	127.5	80.5	44.1	45.0	43.1
85°	65.2	34.5	29.7	28.8	27.8
87.5°	12.5	13.4	14.4	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)