

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: P1050731

Luminaire Tested: 24PTR-35-PL1-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737719)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-35-PL1-L850-UNV-STD-W
Description: 3500 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND LEAVES LENS

Light Source:
Ballast/Driver: -

Summary

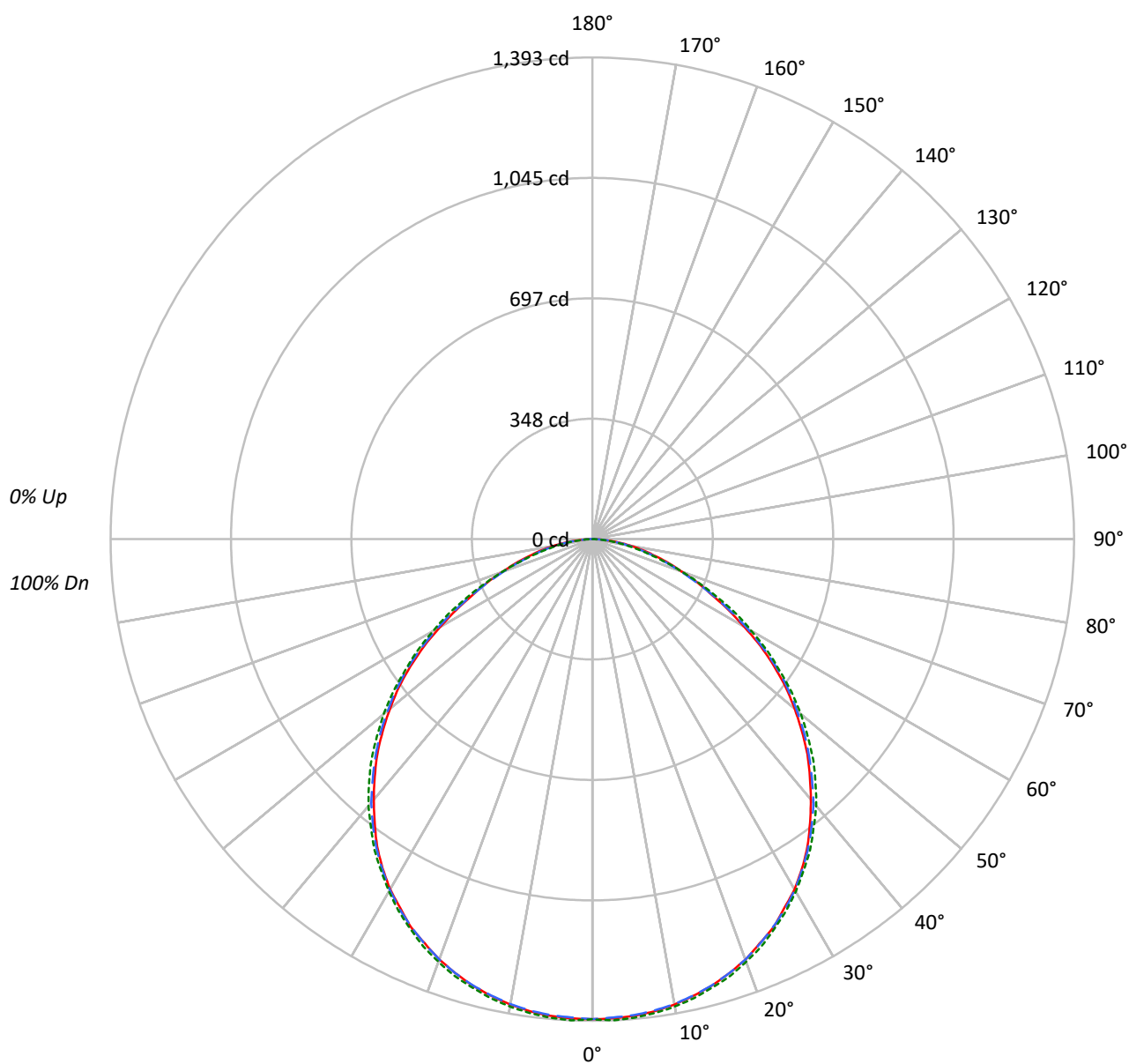
Lumens per Lamp: N/A
Luminaire Lumens: 3659.8 lumens
Efficiency: N/A
Efficacy: 130.7 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.26 / 1.35
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28
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	94	92	90	91	89	87	87	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	74	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	63	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	55	55	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	48	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	42	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	37	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	34	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	30	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	28	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1868	1868	1868
5°	1870	1866	1877
10°	1867	1865	1876
15°	1862	1861	1870
20°	1852	1852	1863
25°	1840	1837	1847
30°	1817	1819	1828
35°	1782	1789	1803
40°	1727	1747	1769
45°	1673	1687	1719
50°	1599	1616	1648
55°	1506	1530	1548
60°	1366	1395	1430
65°	1213	1226	1276
70°	1085	1063	1089
75°	978	922	904
80°	890	825	733
85°	753	684	588

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 1719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.7	3.6
10°-20°	377.7	10.3
20°-30°	571.4	15.6
30°-40°	681.0	18.6
40°-50°	684.8	18.7
50°-60°	581.2	15.9
60°-70°	387.0	10.6
70°-80°	193.2	5.3
80°-90°	51.7	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°	1080.8	29.5
0°-40°	1761.8	48.1
0°-60°	3027.9	82.7
0°-90°	3659.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3659.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1388	1388	1388	1388	1388	
5°	1384	1385	1382	1388	1389	132
15°	1336	1338	1336	1342	1343	377
25°	1239	1239	1238	1243	1244	570
35°	1085	1086	1089	1097	1098	677
45°	879	881	886	898	903	676
55°	642	646	652	658	660	572
65°	381	384	385	391	401	382
75°	188	186	177	173	174	202
85°	49	48	44	42	38	56
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1388.4	1388.4	1388.4	1388.4	1388.4
2.5°	1387.3	1388.4	1384.7	1391.4	1393.1
5°	1384.3	1384.7	1381.7	1387.9	1389.4
7.5°	1377.6	1378.1	1375.0	1381.7	1382.6
10°	1366.7	1367.9	1365.2	1371.4	1372.9
12.5°	1352.9	1354.4	1351.8	1358.5	1359.6
15°	1336.5	1338.0	1335.9	1341.5	1342.6
17.5°	1316.3	1317.4	1316.3	1321.5	1324.5
20°	1293.7	1293.7	1293.7	1298.3	1300.9
22.5°	1265.4	1268.0	1266.9	1273.1	1275.7
25°	1239.3	1239.3	1237.6	1243.4	1244.3
27.5°	1202.6	1206.7	1206.4	1211.4	1212.5
30°	1169.2	1170.3	1170.8	1174.4	1176.5
32.5°	1128.6	1129.5	1131.2	1136.3	1136.8
35°	1084.9	1086.0	1089.0	1096.6	1097.8
37.5°	1034.0	1039.6	1042.2	1050.5	1051.4
40°	983.0	986.5	994.4	1003.0	1007.1
42.5°	931.0	935.1	939.8	951.6	955.3
45°	879.1	880.6	886.4	898.1	903.4
47.5°	821.5	826.2	831.2	841.5	844.7
50°	763.9	769.0	772.2	781.3	787.5
52.5°	705.8	710.5	714.0	719.6	725.8
55°	642.1	646.5	652.3	658.5	660.0
57.5°	577.2	582.2	586.0	592.5	599.3
60°	507.7	513.5	518.5	524.7	531.4
62.5°	443.0	445.4	450.7	460.9	470.7
65°	381.1	384.3	385.2	391.0	400.7
67.5°	329.7	329.7	325.0	327.1	337.9
70°	275.7	273.6	270.1	268.0	276.8
72.5°	232.0	229.3	221.7	218.1	222.8
75°	188.2	185.6	177.4	173.3	173.8
77.5°	151.2	147.1	140.4	133.3	131.8
80°	114.8	113.1	106.5	99.8	94.6
82.5°	81.3	77.8	74.0	69.9	65.8
85°	48.8	47.9	44.3	41.7	38.1
87.5°	20.0	20.0	19.1	17.9	17.0
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)