

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: P1050886

Luminaire Tested: 24PTR-40-PP3-L850-UNV-STD-W

Issue Date: 7/11/2025

Test Information

Test Method: LM-79-2019
Report Number: P1050886
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P737727)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24PTR-40-PP3-L850-UNV-STD-W
Description: 4000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND PRISM LENS

Light Source:
Ballast/Driver: -

Summary

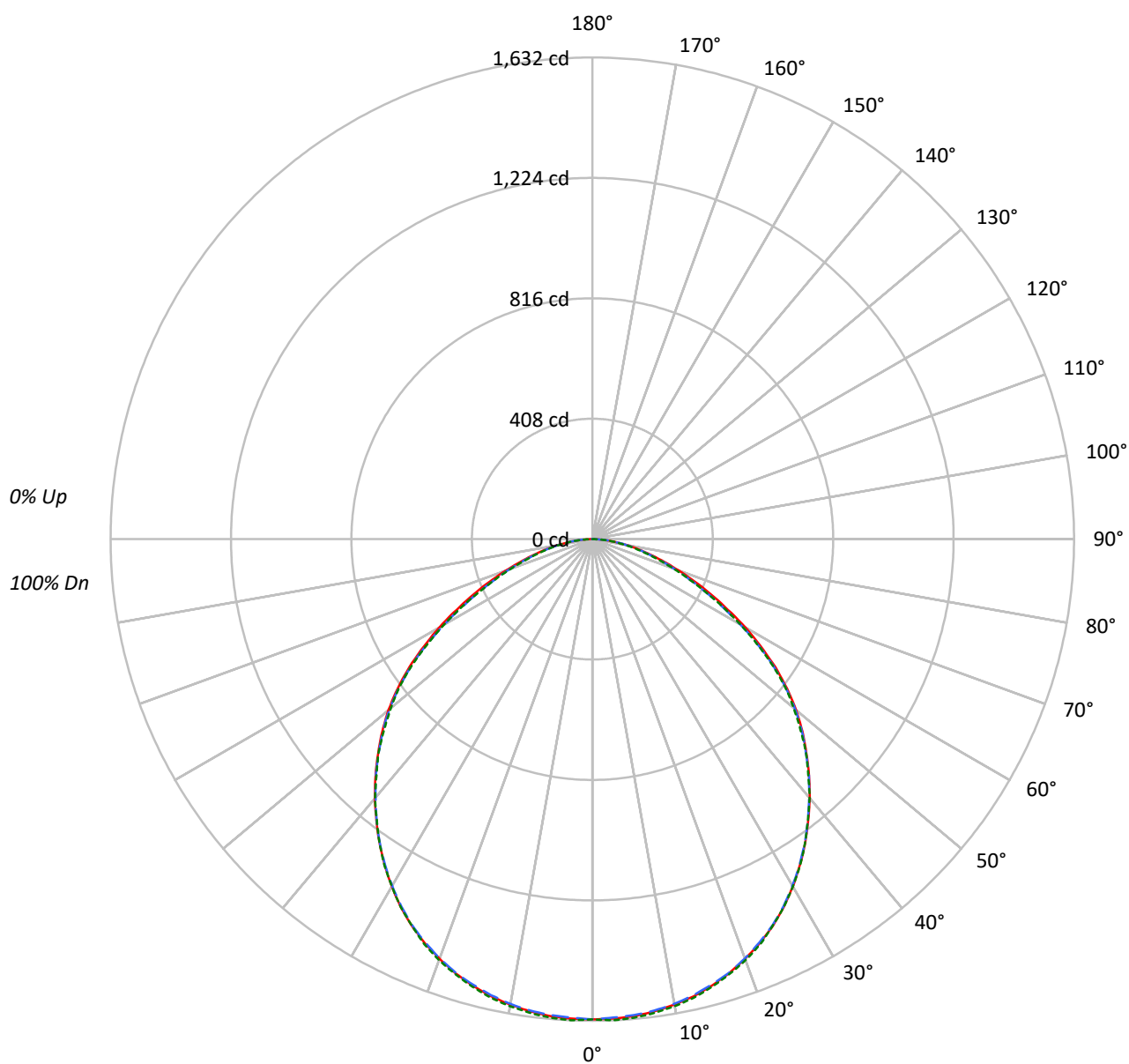
Lumens per Lamp: N/A
Luminaire Lumens: 4203.9 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.34
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	103	99	96	99	96	93	95	92	90	91	89	87	85		
2	100	92	86	80	97	90	84	79	87	82	78	84	79	76	81	77	74	72		
3	92	81	74	67	89	80	73	67	77	71	66	74	69	65	72	67	63	61		
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53		
5	77	65	56	50	75	64	56	50	62	55	49	60	54	49	58	52	48	46		
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40		
7	66	53	45	39	65	52	44	39	51	44	38	50	43	38	48	42	38	36		
8	62	49	40	35	60	48	40	35	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	57	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	34	28	53	41	33	28	40	33	28	39	33	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2189	2189	2189
5°	2191	2186	2198
10°	2188	2185	2195
15°	2181	2177	2187
20°	2167	2165	2174
25°	2147	2144	2146
30°	2111	2107	2111
35°	2065	2062	2064
40°	2012	2006	2011
45°	1952	1946	1949
50°	1887	1878	1864
55°	1776	1755	1750
60°	1612	1558	1560
65°	1415	1344	1343
70°	1224	1168	1155
75°	1059	1019	998
80°	938	924	883
85°	775	801	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 1959 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	154.3	3.7
10°-20°	442.1	10.5
20°-30°	665.5	15.8
30°-40°	785.5	18.7
40°-50°	790.0	18.8
50°-60°	666.9	15.9
60°-70°	428.3	10.2
70°-80°	213.0	5.1
80°-90°	58.4	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°	1261.9	30.0
0°-40°	2047.4	48.7
0°-60°	3504.3	83.4
0°-90°	4203.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4203.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1627	1627	1627	1627	1627	
5°	1622	1623	1619	1626	1628	154
15°	1566	1566	1563	1570	1570	442
25°	1446	1447	1444	1447	1446	665
35°	1257	1258	1256	1257	1257	786
45°	1026	1029	1023	1024	1024	792
55°	757	756	748	745	746	673
65°	445	438	422	418	422	443
75°	204	203	196	194	192	220
85°	50	52	52	49	49	59
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1627.1	1627.1	1627.1	1627.1	1627.1
2.5°	1626.4	1627.1	1622.8	1630.5	1631.8
5°	1622.4	1622.8	1618.7	1626.4	1627.5
7.5°	1614.0	1614.6	1611.0	1618.1	1619.4
10°	1601.5	1603.5	1599.2	1605.8	1606.9
12.5°	1586.3	1587.0	1582.7	1590.4	1591.7
15°	1565.7	1566.1	1562.7	1569.8	1569.8
17.5°	1541.9	1542.5	1540.2	1546.2	1545.5
20°	1513.1	1514.8	1511.8	1515.9	1518.3
22.5°	1481.8	1482.4	1478.8	1484.2	1486.5
25°	1446.4	1446.8	1444.0	1446.8	1445.7
27.5°	1405.0	1406.0	1402.0	1405.0	1405.6
30°	1358.8	1361.8	1356.0	1358.4	1358.8
32.5°	1309.3	1311.0	1306.9	1307.5	1310.5
35°	1257.3	1258.0	1255.6	1256.7	1256.7
37.5°	1201.3	1203.7	1200.0	1201.7	1199.4
40°	1145.7	1143.4	1142.1	1143.4	1145.1
42.5°	1087.2	1087.8	1086.1	1084.8	1082.0
45°	1025.8	1029.4	1022.8	1024.1	1024.1
47.5°	965.7	966.1	962.7	959.0	956.7
50°	901.3	901.3	897.0	894.2	890.6
52.5°	830.9	829.9	825.1	822.1	823.8
55°	757.1	756.5	748.3	745.3	745.9
57.5°	676.2	677.5	665.0	662.0	662.0
60°	598.9	592.9	578.8	574.7	579.8
62.5°	517.8	510.7	495.5	495.5	499.6
65°	444.6	438.2	422.3	418.0	421.7
67.5°	376.2	370.2	355.6	353.2	354.3
70°	311.2	306.0	297.0	291.6	293.6
72.5°	255.2	250.4	244.4	240.3	238.0
75°	203.7	202.6	196.1	194.2	191.9
77.5°	161.2	160.7	155.4	153.0	150.6
80°	121.0	120.4	119.3	115.7	114.0
82.5°	86.3	86.3	85.6	82.6	80.9
85°	50.2	51.9	51.9	48.9	48.9
87.5°	20.2	21.2	20.2	20.2	19.5
90°	0.0	0.0	0.0	0.0	0.0



— 0°-180° - - 45°-225° 90°-270°

(END OF REPORT)