

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P738572

Luminaire Tested: **24PT-50-PL1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738572
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PT-50-PL1-L935
Description: 5000 LUMEN 2X4 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND LEAVES LENS

Light Source: -
Ballast/Driver: -

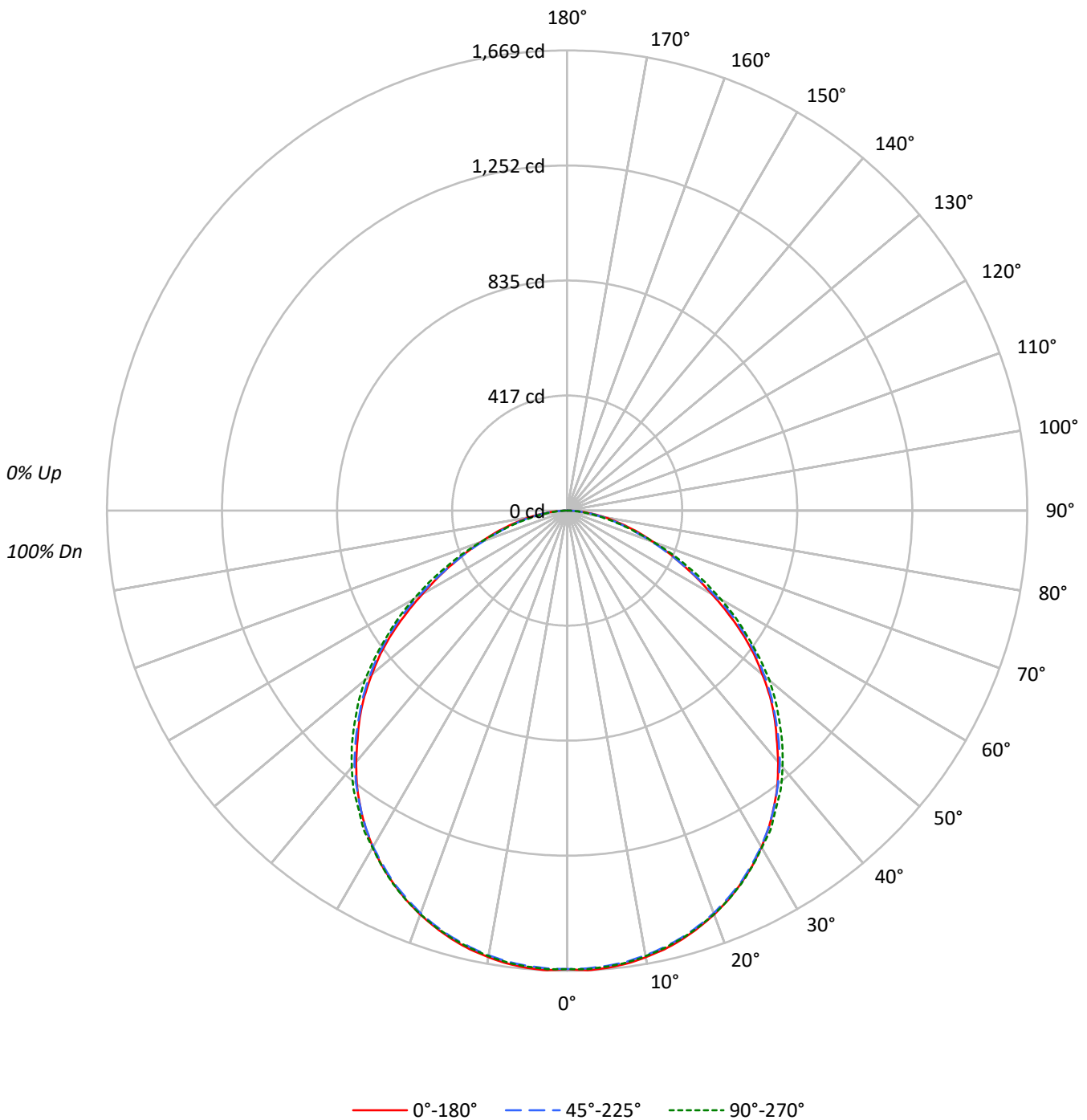
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4402.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
Luminous Opening: Rectangular (W 1.92' x L: 3.92' x H: 0')
CIE Type: Direct

Input Watts (W): 41
Input Voltage (V): NR
Input Current (A_{in}): 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: 25 FT

TEST NUMBER: P738572
CATALOG NUMBER: 24PT-50-PL1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738572

CATALOG NUMBER: 24PT-50-PL1-L935

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	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	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	67	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56	66	60	55	64	59	55	52
5	77	65	56	49	75	64	55	49	61	54	49	60	53	48	58	52	48	46
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2385	2385	2385
5°	2396	2386	2390
10°	2395	2385	2389
15°	2391	2381	2386
20°	2379	2371	2377
25°	2361	2356	2363
30°	2333	2330	2338
35°	2291	2292	2310
40°	2228	2245	2275
45°	2159	2168	2211
50°	2062	2086	2136
55°	1936	1972	2002
60°	1738	1781	1847
65°	1555	1559	1643
70°	1387	1349	1397
75°	1253	1178	1157
80°	1113	1038	916
85°	913	865	716



TEST NUMBER: P738572

CATALOG NUMBER: 24PT-50-PL1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.8	3.6
10°-20°	453.0	10.3
20°-30°	686.2	15.6
30°-40°	820.1	18.6
40°-50°	827.3	18.8
50°-60°	701.9	15.9
60°-70°	464.4	10.5
70°-80°	230.5	5.2
80°-90°	61.0	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°	1297.0	29.5
0°-40°	2117.0	48.1
0°-60°	3646.2	82.8
0°-90°	4402.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4402.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1663	1663	1663	1663	1663	
5°	1665	1659	1658	1657	1660	158
15°	1610	1605	1604	1604	1607	454
25°	1492	1489	1489	1489	1494	687
35°	1309	1307	1309	1316	1319	818
45°	1065	1063	1069	1084	1090	819
55°	774	776	789	796	801	689
65°	458	458	459	474	484	457
75°	226	220	213	206	209	242
85°	56	56	53	48	44	66
90°	0	0	0	0	0	



TEST NUMBER: P738572

CATALOG NUMBER: 24PT-50-PL1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1663.1	1663.1	1663.1	1663.1	1663.1
2.5°	1668.8	1663.5	1662.1	1661.1	1665.0
5°	1665.0	1659.2	1657.8	1656.8	1660.2
7.5°	1657.3	1651.1	1650.2	1649.2	1653.5
10°	1644.9	1639.2	1638.2	1637.2	1641.1
12.5°	1630.1	1624.3	1622.4	1622.9	1625.3
15°	1610.5	1605.2	1603.8	1603.8	1607.1
17.5°	1586.1	1581.3	1580.4	1579.9	1584.2
20°	1558.8	1554.1	1554.1	1555.5	1557.9
22.5°	1527.8	1524.4	1522.5	1523.5	1528.3
25°	1492.4	1489.1	1489.1	1488.6	1493.8
27.5°	1453.2	1448.9	1448.9	1452.7	1454.6
30°	1409.2	1405.4	1407.3	1410.2	1412.1
32.5°	1361.9	1359.5	1360.9	1365.2	1372.9
35°	1308.8	1306.9	1309.3	1316.5	1319.4
37.5°	1253.4	1252.0	1255.3	1264.9	1273.0
40°	1190.3	1190.3	1199.4	1208.0	1215.6
42.5°	1124.8	1129.1	1135.8	1149.2	1155.9
45°	1064.6	1063.1	1069.3	1083.7	1090.4
47.5°	997.6	996.2	1005.3	1015.3	1026.3
50°	924.5	924.0	935.0	943.6	957.5
52.5°	853.3	857.6	864.8	872.4	880.5
55°	774.4	776.3	788.7	795.9	800.7
57.5°	689.3	695.5	710.8	721.3	725.6
60°	606.1	610.0	621.0	639.6	643.9
62.5°	530.6	532.0	538.7	559.8	565.5
65°	458.4	457.5	459.4	473.7	484.2
67.5°	392.9	389.1	389.1	396.8	409.7
70°	330.8	325.1	321.7	324.1	333.2
72.5°	278.7	271.0	262.4	261.0	266.7
75°	226.1	219.9	212.7	206.0	208.9
77.5°	180.2	175.0	168.3	160.6	156.8
80°	134.8	132.9	125.7	118.6	110.9
82.5°	94.2	92.7	88.0	82.2	77.4
85°	55.5	55.5	52.6	48.3	43.5
87.5°	24.9	23.9	24.9	21.0	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)