

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: P738356

Luminaire Tested: **22PT-50-PW1-L935**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2210-816-12)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PW1-L935
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3500K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

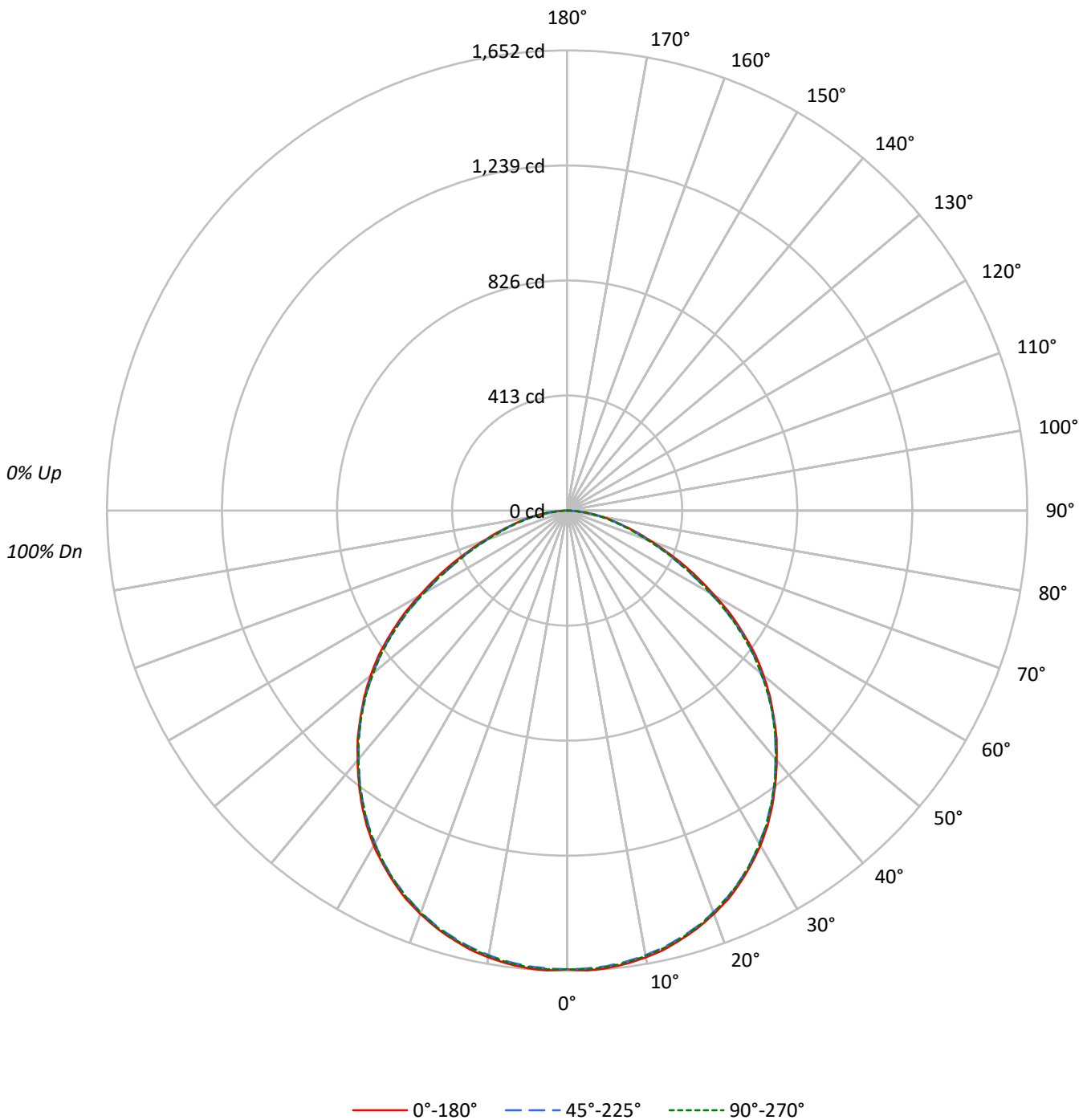
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4289.0 lumens
Efficiency: N/A
Efficacy: 109.1 lumens/watt
Spacing Criteria (0/90/45): 1.25 / 1.24 / 1.34
Luminous Opening: Rectangular (W 1.92' x L: 1.92' x H: 0')
CIE Type: Direct

Input Watts (W): 39.3
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: P738356
CATALOG NUMBER: 22PT-50-PW1-L935

Luminous Intensity Polar Plot





TEST NUMBER: P738356

CATALOG NUMBER: 22PT-50-PW1-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	84	79	76	81	77	74	72
3	92	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	72	64	57	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	77	65	56	50	75	64	56	49	62	54	49	60	53	48	58	52	48	46
6	72	59	50	44	70	58	49	43	56	48	43	54	48	43	53	47	42	40
7	66	53	45	39	65	52	44	38	51	44	38	49	43	38	48	42	38	36
8	62	49	40	35	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4826	4826	4826
5°	4850	4827	4837
10°	4846	4822	4832
15°	4830	4809	4820
20°	4805	4784	4792
25°	4762	4741	4746
30°	4699	4669	4675
35°	4599	4573	4577
40°	4476	4453	4457
45°	4346	4331	4325
50°	4196	4149	4139
55°	3954	3901	3880
60°	3589	3485	3493
65°	3191	3042	3042
70°	2735	2635	2615
75°	2373	2320	2268
80°	2135	2048	2008
85°	1694	1711	1617



TEST NUMBER: P738356

CATALOG NUMBER: 22PT-50-PW1-L935

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.2	3.6
10°-20°	447.8	10.4
20°-30°	675.6	15.8
30°-40°	800.2	18.7
40°-50°	805.5	18.8
50°-60°	681.1	15.9
60°-70°	442.9	10.3
70°-80°	220.4	5.1
80°-90°	59.4	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°	1279.6	29.8
0°-40°	2079.7	48.5
0°-60°	3566.3	83.2
0°-90°	4289.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1647	1647	1647	1647	1647	
5°	1649	1643	1641	1640	1645	157
15°	1592	1587	1585	1585	1589	449
25°	1473	1468	1466	1465	1468	678
35°	1286	1280	1279	1279	1280	803
45°	1049	1045	1045	1044	1044	809
55°	774	767	764	760	760	691
65°	460	448	439	436	439	457
75°	210	210	205	199	200	227
85°	50	51	51	51	48	61
90°	0	0	0	0	0	



TEST NUMBER: P738356

CATALOG NUMBER: 22PT-50-PW1-L935

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1646.9	1646.9	1646.9	1646.9	1646.9
2.5°	1652.5	1646.9	1645.0	1644.1	1648.3
5°	1648.8	1642.7	1641.3	1640.4	1644.6
7.5°	1640.4	1634.8	1632.9	1632.4	1636.6
10°	1628.7	1623.1	1620.8	1619.8	1624.0
12.5°	1613.8	1607.7	1605.4	1604.4	1608.2
15°	1592.3	1587.2	1585.3	1584.8	1589.0
17.5°	1569.0	1563.8	1562.9	1561.5	1565.7
20°	1540.9	1535.8	1534.4	1532.5	1536.7
22.5°	1510.1	1504.1	1502.2	1500.8	1504.1
25°	1472.8	1467.7	1466.3	1464.9	1468.1
27.5°	1431.7	1428.0	1426.1	1424.7	1426.6
30°	1388.8	1382.2	1379.9	1379.0	1381.8
32.5°	1339.3	1334.6	1331.3	1330.9	1334.1
35°	1285.6	1280.0	1278.6	1278.6	1279.5
37.5°	1228.6	1225.8	1223.5	1222.1	1224.9
40°	1170.3	1169.4	1164.2	1163.8	1165.2
42.5°	1112.9	1109.1	1105.4	1107.3	1108.2
45°	1048.9	1045.2	1045.2	1043.8	1043.8
47.5°	987.3	983.6	978.4	978.9	979.8
50°	920.6	915.9	910.3	913.5	907.9
52.5°	852.4	844.0	839.8	839.8	839.3
55°	774.0	767.4	763.7	760.4	759.5
57.5°	698.3	688.5	679.2	680.1	683.4
60°	612.5	607.8	594.7	595.7	596.1
62.5°	535.0	526.1	512.6	512.6	517.2
65°	460.3	447.7	438.8	435.5	438.8
67.5°	387.0	380.0	372.5	367.4	372.0
70°	319.3	315.6	307.6	302.5	305.3
72.5°	264.2	259.1	252.5	249.7	246.9
75°	209.6	209.6	204.9	199.3	200.3
77.5°	165.3	163.9	160.6	158.2	158.2
80°	126.5	125.1	121.4	120.4	119.0
82.5°	87.3	87.8	85.9	84.5	82.6
85°	50.4	51.3	50.9	50.9	48.1
87.5°	21.5	19.6	21.0	20.5	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)