

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: P738229

Luminaire Tested: **22PT-50-PB1-L940**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2212-851-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/8/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 22PT-50-PB1-L940
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 4000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

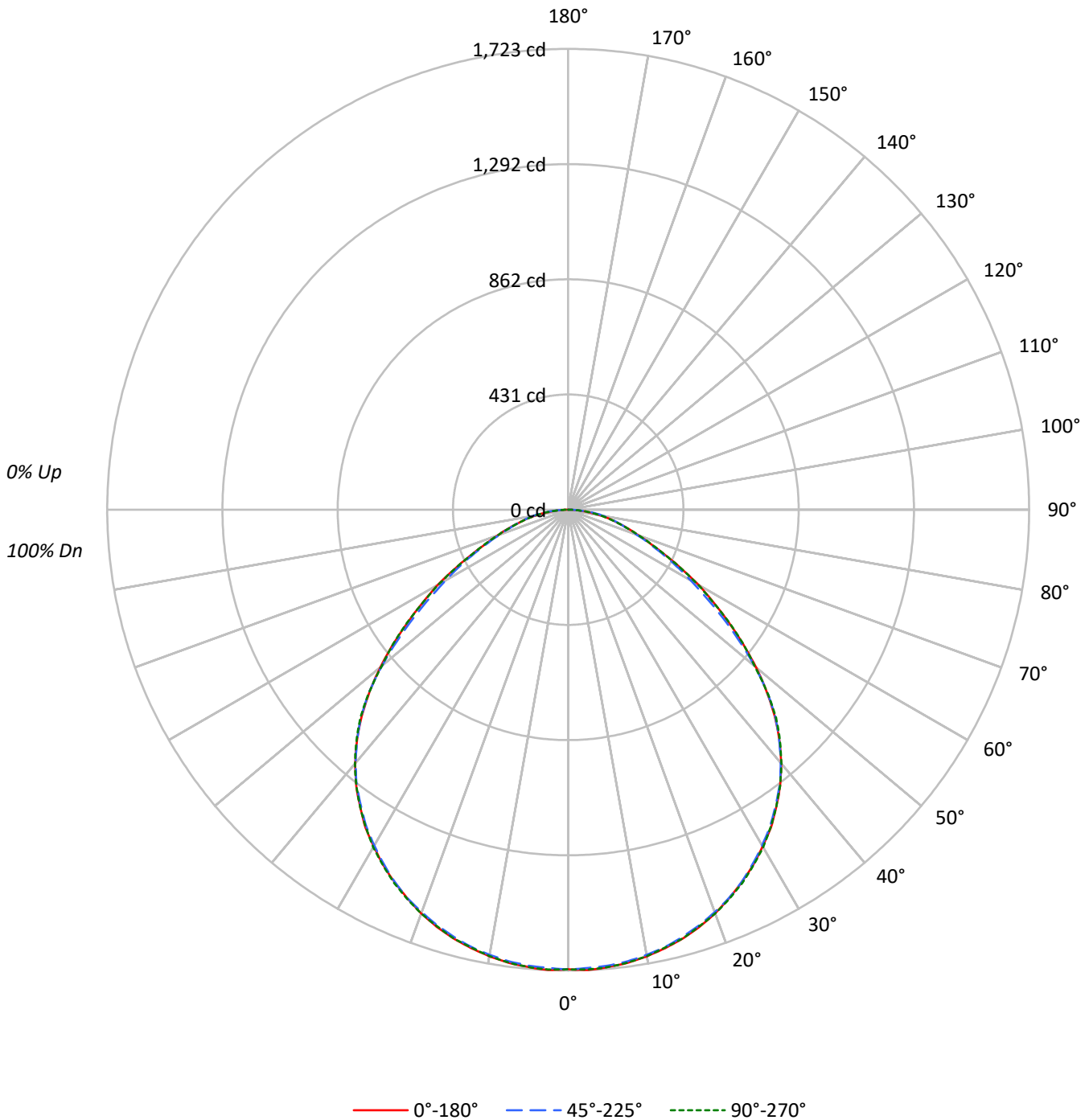
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4333.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.35
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: P738229
CATALOG NUMBER: 22PT-50-PB1-L940

Luminous Intensity Polar Plot





TEST NUMBER: P738229

CATALOG NUMBER: 22PT-50-PB1-L940

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	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	73
3	92	82	74	68	90	81	73	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	57	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	55	50	61	54	50	59	53	49	47
6	72	59	51	45	70	59	50	44	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	58	45	37	32	57	45	37	32	44	37	32	43	36	32	42	36	31	30
10	55	42	34	29	54	41	34	29	40	34	29	40	33	29	39	33	29	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5036	5036	5036
5°	5049	5032	5049
10°	5045	5028	5042
15°	5033	5014	5031
20°	5008	4993	5010
25°	4966	4962	4978
30°	4916	4904	4931
35°	4850	4833	4850
40°	4738	4727	4743
45°	4525	4533	4551
50°	4178	4143	4149
55°	3733	3608	3747
60°	3296	3095	3275
65°	2761	2673	2761
70°	2394	2328	2406
75°	2183	2214	2183
80°	2052	2227	2064
85°	1785	2185	1832



TEST NUMBER: P738229

CATALOG NUMBER: 22PT-50-PB1-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.0	3.8
10°-20°	467.3	10.8
20°-30°	707.6	16.3
30°-40°	846.3	19.5
40°-50°	838.0	19.3
50°-60°	644.3	14.9
60°-70°	392.3	9.1
70°-80°	207.7	4.8
80°-90°	66.5	1.5
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°	1337.9	30.9
0°-40°	2184.2	50.4
0°-60°	3666.5	84.6
0°-90°	4333.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4333.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1719	1719	1719	1719	1719	
5°	1716	1716	1711	1714	1716	163
15°	1659	1656	1653	1656	1658	468
25°	1536	1535	1535	1537	1540	708
35°	1356	1355	1351	1355	1356	847
45°	1092	1093	1094	1095	1098	838
55°	731	721	706	719	734	655
65°	398	388	386	385	398	403
75°	193	193	196	194	193	207
85°	53	61	65	62	54	61
90°	0	0	0	0	0	



TEST NUMBER: P738229

CATALOG NUMBER: 22PT-50-PB1-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1718.6	1718.6	1718.6	1718.6	1718.6
2.5°	1722.8	1720.0	1715.1	1718.6	1720.7
5°	1716.5	1715.8	1710.9	1713.7	1716.5
7.5°	1708.8	1706.7	1703.2	1706.0	1708.1
10°	1695.5	1694.1	1689.9	1693.4	1694.8
12.5°	1678.7	1677.3	1674.6	1677.3	1676.6
15°	1659.2	1656.4	1652.9	1656.4	1658.5
17.5°	1634.7	1631.9	1629.1	1631.2	1632.6
20°	1606.1	1601.9	1601.2	1604.0	1606.8
22.5°	1571.9	1571.9	1571.2	1573.3	1574.7
25°	1536.2	1534.8	1534.8	1536.9	1539.7
27.5°	1497.8	1495.0	1493.6	1497.1	1499.2
30°	1453.1	1452.4	1449.6	1455.2	1457.3
32.5°	1409.8	1402.8	1404.2	1407.0	1407.7
35°	1356.0	1354.6	1351.1	1355.3	1356.0
37.5°	1301.5	1300.8	1298.7	1300.1	1300.8
40°	1238.6	1237.9	1235.8	1238.6	1240.0
42.5°	1168.8	1167.4	1167.4	1169.5	1171.6
45°	1091.9	1092.6	1094.0	1094.7	1098.2
47.5°	1006.0	1007.4	1008.8	1007.4	1008.1
50°	916.6	915.9	908.9	913.8	910.3
52.5°	822.3	811.8	806.2	817.4	825.1
55°	730.7	721.0	706.3	718.9	733.5
57.5°	642.7	625.9	610.6	625.2	639.9
60°	562.4	536.5	528.1	537.2	558.9
62.5°	476.4	458.3	455.5	456.9	475.7
65°	398.2	388.4	385.6	384.9	398.2
67.5°	333.9	327.6	324.2	326.9	335.3
70°	279.4	276.6	271.8	276.6	280.8
72.5°	234.7	234.0	229.8	234.0	232.6
75°	192.8	192.8	195.6	194.2	192.8
77.5°	157.2	158.6	163.5	159.3	155.1
80°	121.6	125.0	132.0	125.7	122.3
82.5°	86.6	94.3	102.0	94.3	89.4
85°	53.1	60.8	65.0	61.5	54.5
87.5°	23.1	27.2	28.6	26.5	23.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)