

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: P738227

Luminaire Tested: **22PT-50-PB1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738227
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-L930
Description: 5000 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND BEVEL LENS

Light Source: -
Ballast/Driver: -

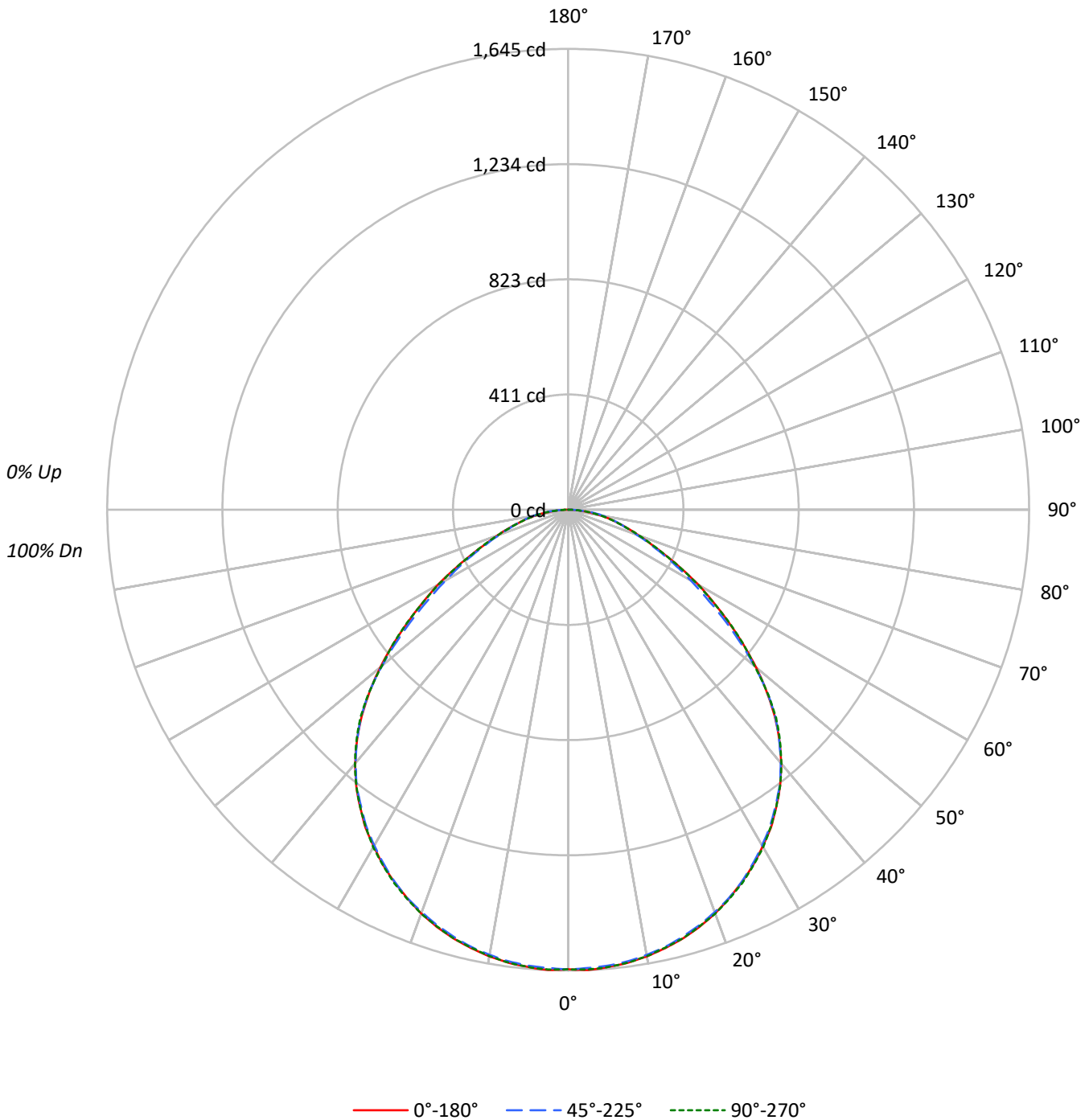
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4137.0 lumens
Efficiency: N/A
Efficacy: 105.3 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 (Ain): 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: P738227
CATALOG NUMBER: 22PT-50-PB1-L930

Luminous Intensity Polar Plot





TEST NUMBER: P738227

CATALOG NUMBER: 22PT-50-PB1-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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°	4808	4808	4808
5°	4820	4805	4820
10°	4816	4801	4814
15°	4805	4787	4803
20°	4781	4767	4783
25°	4742	4738	4753
30°	4694	4683	4708
35°	4631	4614	4631
40°	4523	4513	4528
45°	4320	4328	4345
50°	3989	3956	3962
55°	3564	3445	3578
60°	3146	2955	3127
65°	2636	2553	2636
70°	2286	2223	2297
75°	2084	2115	2084
80°	1959	2128	1969
85°	1704	2084	1748



TEST NUMBER: P738227

CATALOG NUMBER: 22PT-50-PB1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	3.8
10°-20°	446.2	10.8
20°-30°	675.6	16.3
30°-40°	808.1	19.5
40°-50°	800.1	19.3
50°-60°	615.1	14.9
60°-70°	374.6	9.1
70°-80°	198.3	4.8
80°-90°	63.5	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°	1277.4	30.9
0°-40°	2085.5	50.4
0°-60°	3500.7	84.6
0°-90°	4137.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4137.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1639	1638	1634	1636	1639	156
15°	1584	1582	1578	1582	1584	447
25°	1467	1465	1465	1467	1470	676
35°	1295	1293	1290	1294	1295	809
45°	1042	1043	1044	1045	1048	800
55°	698	688	674	686	700	626
65°	380	371	368	368	380	384
75°	184	184	187	185	184	198
85°	51	58	62	59	52	58
90°	0	0	0	0	0	



TEST NUMBER: P738227

CATALOG NUMBER: 22PT-50-PB1-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1640.8	1640.8	1640.8	1640.8	1640.8
2.5°	1644.8	1642.2	1637.5	1640.8	1642.8
5°	1638.8	1638.2	1633.5	1636.2	1638.8
7.5°	1631.5	1629.5	1626.2	1628.8	1630.8
10°	1618.8	1617.5	1613.5	1616.8	1618.1
12.5°	1602.8	1601.5	1598.8	1601.5	1600.8
15°	1584.1	1581.5	1578.1	1581.5	1583.5
17.5°	1560.8	1558.1	1555.4	1557.5	1558.8
20°	1533.4	1529.4	1528.8	1531.4	1534.1
22.5°	1500.8	1500.8	1500.1	1502.1	1503.4
25°	1466.7	1465.4	1465.4	1467.4	1470.1
27.5°	1430.1	1427.4	1426.1	1429.4	1431.4
30°	1387.4	1386.7	1384.0	1389.4	1391.4
32.5°	1346.0	1339.3	1340.7	1343.3	1344.0
35°	1294.7	1293.3	1290.0	1294.0	1294.7
37.5°	1242.6	1242.0	1240.0	1241.3	1242.0
40°	1182.6	1181.9	1179.9	1182.6	1183.9
42.5°	1115.9	1114.6	1114.6	1116.6	1118.6
45°	1042.5	1043.2	1044.5	1045.2	1048.5
47.5°	960.5	961.8	963.2	961.8	962.5
50°	875.1	874.4	867.8	872.4	869.1
52.5°	785.1	775.1	769.7	780.4	787.7
55°	697.7	688.3	674.3	686.3	700.4
57.5°	613.6	597.6	583.0	597.0	611.0
60°	536.9	512.3	504.3	512.9	533.6
62.5°	454.9	437.6	434.9	436.2	454.2
65°	380.2	370.9	368.2	367.5	380.2
67.5°	318.8	312.8	309.5	312.2	320.2
70°	266.8	264.1	259.5	264.1	268.1
72.5°	224.1	223.4	219.4	223.4	222.1
75°	184.1	184.1	186.8	185.4	184.1
77.5°	150.1	151.4	156.1	152.1	148.1
80°	116.1	119.4	126.1	120.1	116.7
82.5°	82.7	90.0	97.4	90.0	85.4
85°	50.7	58.0	62.0	58.7	52.0
87.5°	22.0	26.0	27.3	25.3	22.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)