

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: P738347

Luminaire Tested: **22PT-45-PW1-L930**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738347
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-45-PW1-L930
Description: 4500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 3000K, 90 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

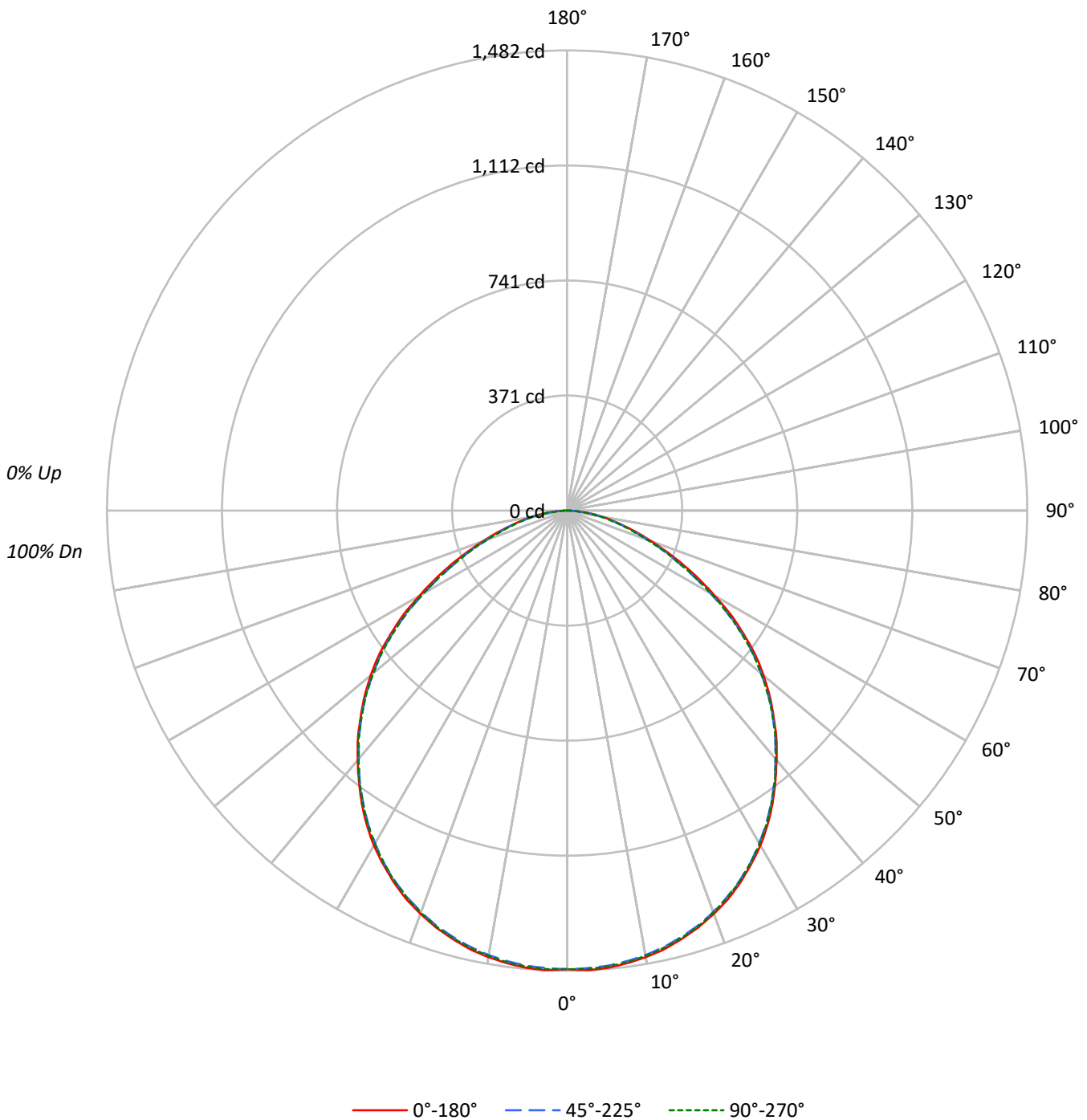
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3846.0 lumens
Efficiency: N/A
Efficacy: 109.0 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): 35.3
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: P738347
CATALOG NUMBER: 22PT-45-PW1-L930

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	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°	4327	4327	4327
5°	4349	4329	4337
10°	4345	4324	4333
15°	4331	4312	4322
20°	4309	4290	4297
25°	4270	4251	4256
30°	4213	4187	4192
35°	4124	4101	4104
40°	4014	3993	3996
45°	3898	3884	3879
50°	3763	3721	3711
55°	3545	3498	3479
60°	3218	3125	3132
65°	2861	2728	2728
70°	2453	2364	2346
75°	2127	2081	2033
80°	1913	1836	1800
85°	1520	1533	1449



TEST NUMBER: P738347

CATALOG NUMBER: 22PT-45-PW1-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	3.6
10°-20°	401.6	10.4
20°-30°	605.8	15.8
30°-40°	717.5	18.7
40°-50°	722.3	18.8
50°-60°	610.8	15.9
60°-70°	397.1	10.3
70°-80°	197.6	5.1
80°-90°	53.3	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°	1147.4	29.8
0°-40°	1864.9	48.5
0°-60°	3198.0	83.2
0°-90°	3846.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3846.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1477	1477	1477	1477	1477	
5°	1478	1473	1472	1471	1475	141
15°	1428	1423	1422	1421	1425	403
25°	1321	1316	1315	1314	1316	608
35°	1153	1148	1146	1146	1147	720
45°	941	937	937	936	936	726
55°	694	688	685	682	681	619
65°	413	401	394	390	394	410
75°	188	188	184	179	180	204
85°	45	46	46	46	43	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1476.8	1476.8	1476.8	1476.8	1476.8
2.5°	1481.8	1476.8	1475.1	1474.3	1478.1
5°	1478.5	1473.0	1471.8	1470.9	1474.7
7.5°	1470.9	1465.9	1464.2	1463.8	1467.6
10°	1460.5	1455.5	1453.4	1452.5	1456.3
12.5°	1447.1	1441.6	1439.5	1438.7	1442.1
15°	1427.8	1423.2	1421.6	1421.1	1424.9
17.5°	1406.9	1402.3	1401.5	1400.2	1404.0
20°	1381.8	1377.2	1375.9	1374.2	1378.0
22.5°	1354.2	1348.7	1347.0	1345.8	1348.7
25°	1320.7	1316.1	1314.8	1313.6	1316.5
27.5°	1283.8	1280.5	1278.8	1277.6	1279.2
30°	1245.3	1239.5	1237.4	1236.5	1239.0
32.5°	1201.0	1196.8	1193.8	1193.4	1196.3
35°	1152.8	1147.8	1146.5	1146.5	1147.4
37.5°	1101.7	1099.2	1097.1	1095.9	1098.4
40°	1049.4	1048.6	1044.0	1043.6	1044.8
42.5°	997.9	994.6	991.2	992.9	993.7
45°	940.6	937.2	937.2	936.0	936.0
47.5°	885.3	882.0	877.4	877.8	878.6
50°	825.5	821.3	816.3	819.2	814.2
52.5°	764.4	756.8	753.1	753.1	752.6
55°	694.0	688.2	684.8	681.9	681.1
57.5°	626.2	617.4	609.1	609.9	612.8
60°	549.2	545.0	533.3	534.1	534.5
62.5°	479.7	471.8	459.6	459.6	463.8
65°	412.7	401.4	393.5	390.5	393.5
67.5°	347.0	340.7	334.0	329.4	333.6
70°	286.3	283.0	275.9	271.2	273.8
72.5°	236.9	232.3	226.5	223.9	221.4
75°	187.9	187.9	183.8	178.7	179.6
77.5°	148.2	146.9	144.0	141.9	141.9
80°	113.4	112.2	108.8	108.0	106.7
82.5°	78.3	78.7	77.0	75.8	74.1
85°	45.2	46.0	45.6	45.6	43.1
87.5°	19.3	17.6	18.8	18.4	20.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)