

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: P738338

Luminaire Tested: **22PT-35-PW1-L850**

Issue Date: 2/8/2024



Test Information

Test Method: LM-79-08
Report Number: P738338
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-35-PW1-L850
Description: 3500 LUMEN 2X2 PERCEIVE PT TROFFER WITH 5000K, 80 CRI LEDS AND WAVES LENS

Light Source: -
Ballast/Driver: -

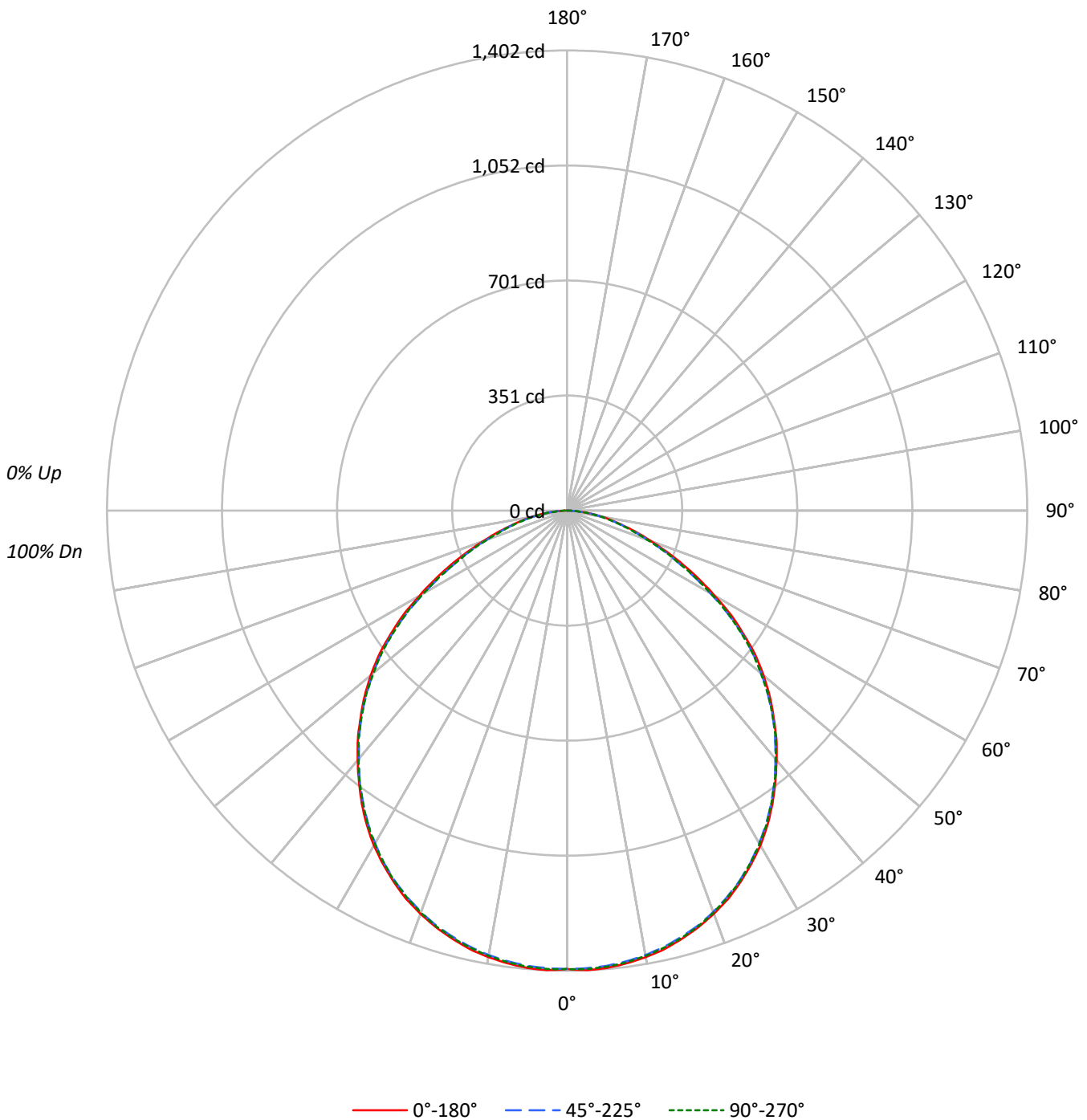
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3638.0 lumens
Efficiency: N/A
Efficacy: 138.3 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): 26.3
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: P738338
CATALOG NUMBER: 22PT-35-PW1-L850

Luminous Intensity Polar Plot





TEST NUMBER: P738338

CATALOG NUMBER: 22PT-35-PW1-L850

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°	4093	4093	4093
5°	4113	4095	4103
10°	4110	4090	4098
15°	4097	4079	4088
20°	4076	4058	4064
25°	4039	4021	4026
30°	3986	3960	3965
35°	3901	3879	3882
40°	3797	3777	3780
45°	3687	3673	3669
50°	3559	3520	3510
55°	3354	3309	3291
60°	3044	2956	2963
65°	2707	2581	2581
70°	2320	2235	2219
75°	2013	1968	1923
80°	1811	1736	1704
85°	1439	1452	1372



TEST NUMBER: P738338

CATALOG NUMBER: 22PT-35-PW1-L850

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.5	3.6
10°-20°	379.9	10.4
20°-30°	573.0	15.8
30°-40°	678.7	18.7
40°-50°	683.2	18.8
50°-60°	577.7	15.9
60°-70°	375.7	10.3
70°-80°	186.9	5.1
80°-90°	50.4	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°	1085.4	29.8
0°-40°	1764.1	48.5
0°-60°	3025.0	83.2
0°-90°	3638.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3638.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1397	1397	1397	1397	1397	
5°	1398	1393	1392	1391	1395	133
15°	1351	1346	1345	1344	1348	381
25°	1249	1245	1244	1242	1245	575
35°	1090	1086	1084	1084	1085	682
45°	890	886	886	885	885	687
55°	656	651	648	645	644	586
65°	390	380	372	369	372	387
75°	178	178	174	169	170	193
85°	43	44	43	43	41	51
90°	0	0	0	0	0	



TEST NUMBER: P738338

CATALOG NUMBER: 22PT-35-PW1-L850

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.9	1396.9	1396.9	1396.9	1396.9
2.5°	1401.7	1396.9	1395.4	1394.6	1398.1
5°	1398.5	1393.4	1392.2	1391.4	1395.0
7.5°	1391.4	1386.6	1385.1	1384.7	1388.2
10°	1381.5	1376.7	1374.8	1374.0	1377.5
12.5°	1368.8	1363.7	1361.7	1360.9	1364.1
15°	1350.6	1346.3	1344.7	1344.3	1347.8
17.5°	1330.8	1326.5	1325.7	1324.5	1328.0
20°	1307.1	1302.7	1301.5	1299.9	1303.5
22.5°	1280.9	1275.8	1274.2	1273.0	1275.8
25°	1249.2	1244.9	1243.7	1242.5	1245.3
27.5°	1214.4	1211.2	1209.6	1208.5	1210.0
30°	1178.0	1172.4	1170.4	1169.7	1172.0
32.5°	1136.0	1132.0	1129.3	1128.9	1131.6
35°	1090.5	1085.7	1084.5	1084.5	1085.3
37.5°	1042.2	1039.8	1037.8	1036.6	1039.0
40°	992.7	991.9	987.5	987.1	988.3
42.5°	944.0	940.8	937.6	939.2	940.0
45°	889.7	886.5	886.5	885.4	885.4
47.5°	837.4	834.3	829.9	830.3	831.1
50°	780.8	776.9	772.1	774.9	770.1
52.5°	723.0	715.9	712.3	712.3	711.9
55°	656.5	651.0	647.8	645.0	644.2
57.5°	592.4	584.0	576.1	576.9	579.7
60°	519.5	515.5	504.4	505.2	505.6
62.5°	453.8	446.2	434.8	434.8	438.7
65°	390.4	379.7	372.2	369.4	372.2
67.5°	328.2	322.3	316.0	311.6	315.6
70°	270.8	267.7	260.9	256.6	259.0
72.5°	224.1	219.8	214.2	211.8	209.5
75°	177.8	177.8	173.8	169.1	169.9
77.5°	140.2	139.0	136.2	134.2	134.2
80°	107.3	106.1	102.9	102.2	101.0
82.5°	74.0	74.4	72.9	71.7	70.1
85°	42.8	43.6	43.2	43.2	40.8
87.5°	18.2	16.6	17.8	17.4	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)