Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: INVUE

Report Number: P676438

Luminaire Tested: **CCW-SA-2D-750-U-T3-HSS**

Issue Date: 04/25/2023

Report Generated By 670245763

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P676438
Test Lab:	INNOVATION CENTER(G1)
Issue Date:	04/25/2023
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	INVUE
Catalog Number:	CCW-SA-2D-750-U-T3-HSS
Description:	INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/ T3 distribution lens and House Side Shield
Light Source:	(32) 5000K CCT, 70 CRI LEDS
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	8218.6 lumens
Efficiency:	N/A
Efficacy:	101.7 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	80.8
Input Voltage (V):	120
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

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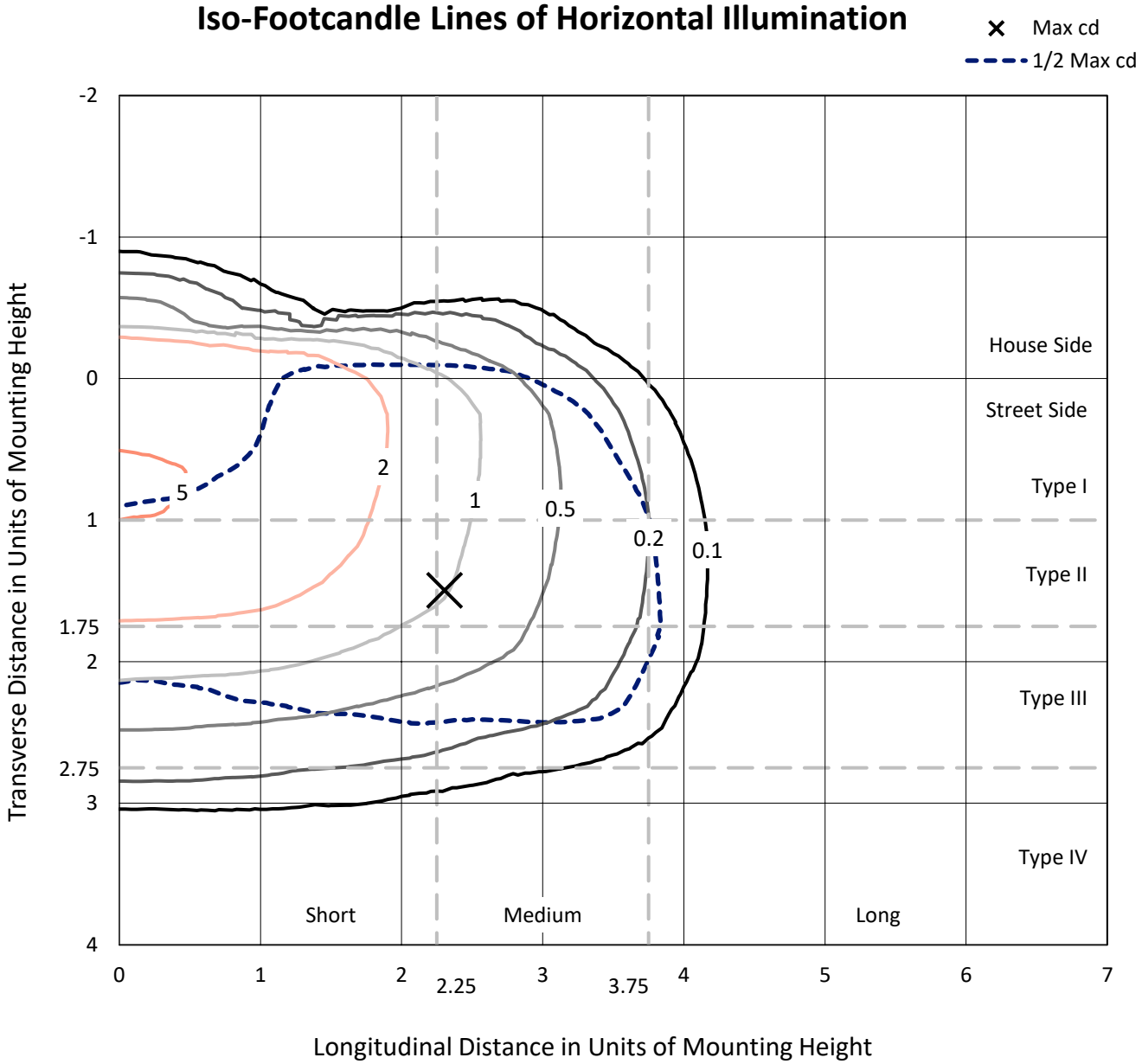
Iso-Footcandle Lines of Horizontal Illumination



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc
Type III - Medium - N/A

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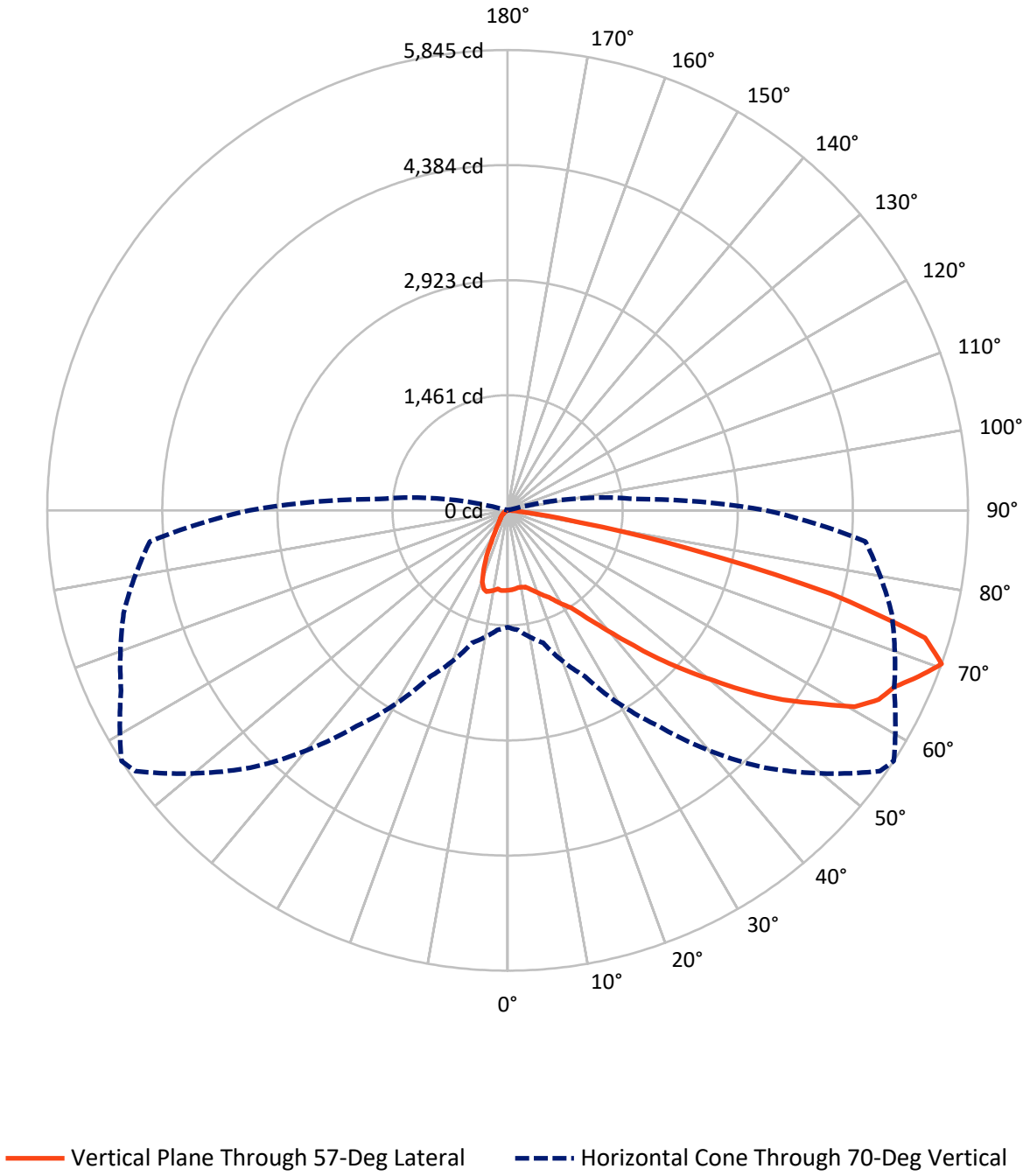
Luminous Intensity Polar Plot



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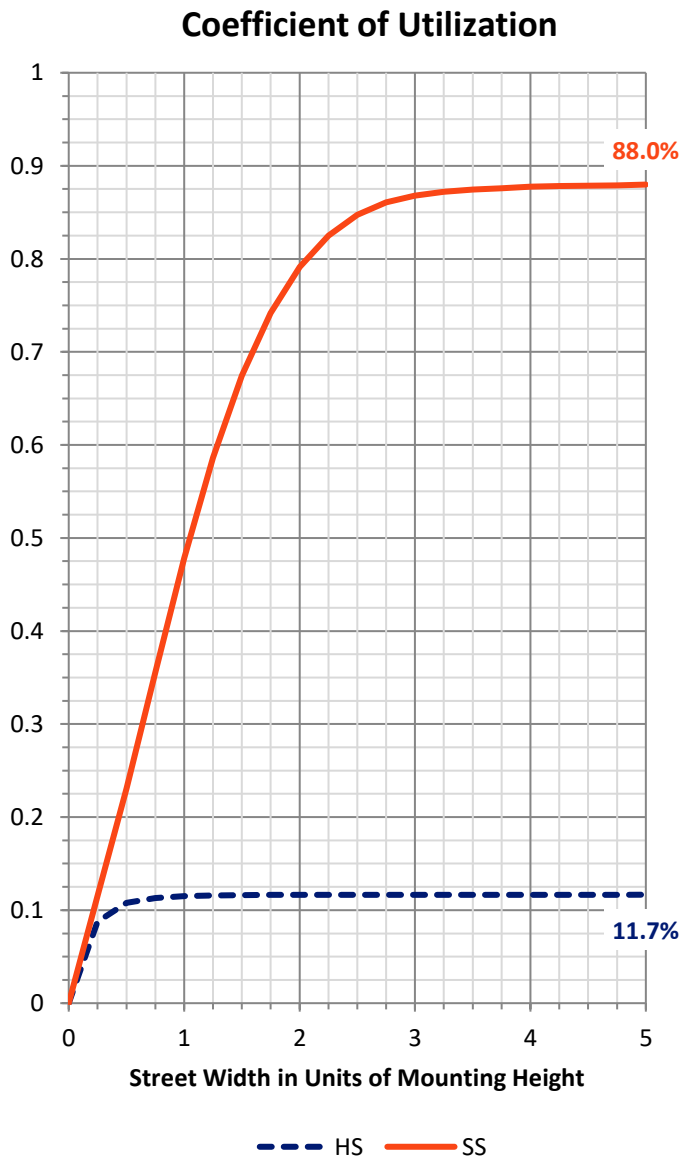
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	968.8	0.0	968.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	7249.8	0.0	7249.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	8218.6	0.0	8218.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	1.2
10°-20°	264.9	3.2
20°-30°	446.3	5.4
30°-40°	763.8	9.3
40°-50°	1282.5	15.6
50°-60°	1968.7	24.0
60°-70°	2272.9	27.7
70°-80°	1073.7	13.1
80°-90°	50.9	0.6
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°-90°	8218.6	100.0
0°-180°	8218.6	100.0



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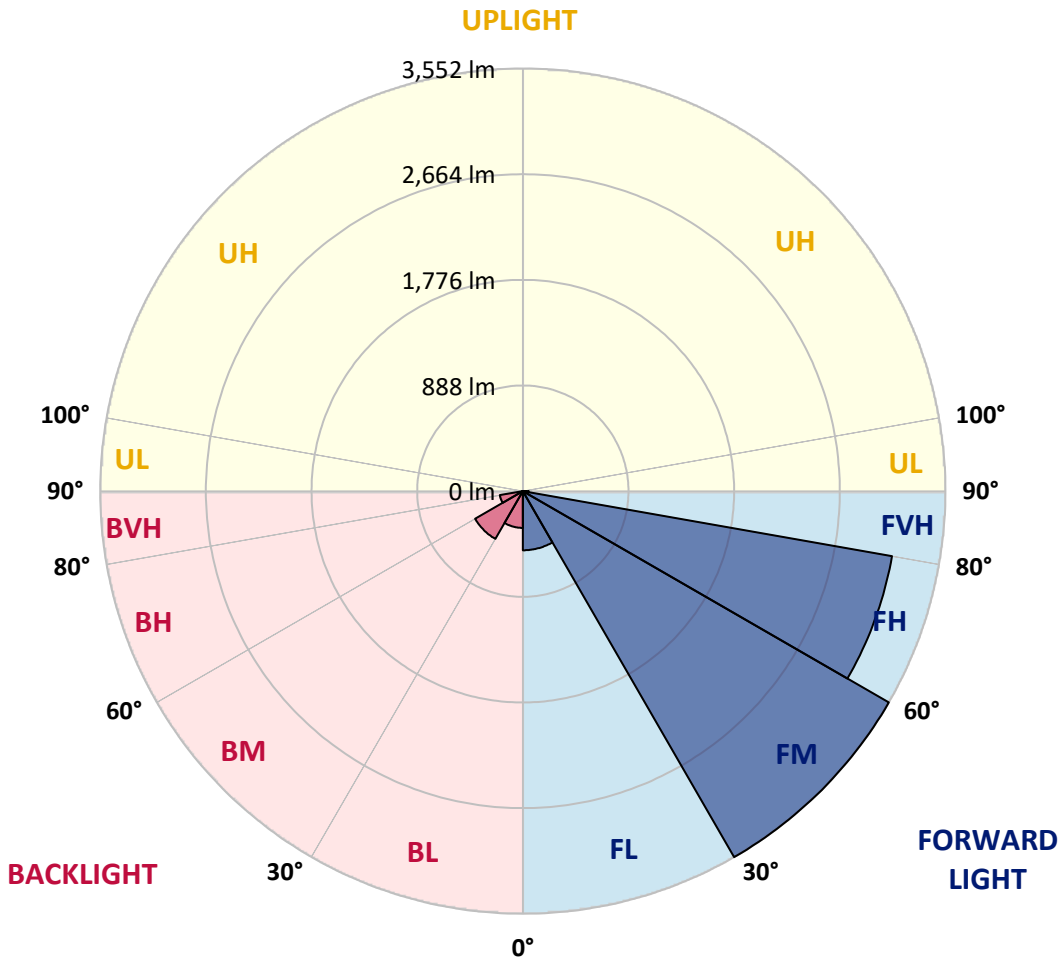
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	497.2	6.0			
FM	(30°-60°)	3551.9	43.2			
FH	(60°-80°)	3150.7	38.3			G2/5000
FVH	(80°-90°)	50.0	0.6			G1/100
BL	(0°-30°)	308.8	3.8	B1/500		
BM	(30°-60°)	463.1	5.6	B1/1000		
BH	(60°-80°)	195.9	2.4	B1/500		G1/500
BVH	(80°-90°)	0.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	*1014.1*	1014.1	1014.1	1014.1
2.5°	999.4	993.1	999.4	1007.8	999.4	1005.7	1003.6	*1009.9*	1001.5	1001.5	1007.8
5°	934.3	944.8	949.0	959.5	970.0	988.9	1001.5	*1001.5*	1014.1	1020.4	1028.8
7.5°	911.2	894.4	911.2	919.6	930.1	961.6	980.5	*988.9*	1005.7	1028.8	1041.4
10°	877.6	890.2	890.2	917.5	932.2	951.1	984.7	*991.0*	1028.8	1051.9	1064.5
12.5°	875.5	875.5	886.0	904.9	934.3	970.0	1012.0	*999.4*	1039.3	1081.3	1102.2
15°	881.8	896.5	896.5	921.7	944.8	995.2	1030.9	*1033.0*	1089.6	1131.6	1150.5
17.5°	909.1	902.8	911.2	925.9	961.6	1009.9	1068.7	*1075.0*	1140.0	1196.7	1224.0
20°	965.8	976.3	963.7	955.3	970.0	1033.0	1108.5	*1121.1*	1194.6	1249.2	1276.5
22.5°	1177.8	1169.4	1119.0	1060.3	1035.1	1064.5	1146.3	*1175.7*	1261.8	1326.9	1350.0
25°	1417.2	1402.5	1343.7	1255.5	1140.0	1127.4	1221.9	*1221.9*	1345.8	1417.2	1410.9
27.5°	1643.9	1639.7	1570.4	1478.1	1314.3	1224.0	1282.8	*1305.9*	1440.3	1499.1	1471.8
30°	1874.9	1879.1	1816.1	1704.8	1532.6	1379.4	1368.9	*1387.8*	1511.7	1604.0	1547.3
32.5°	2143.6	2105.8	2061.7	1908.5	1751.0	1578.8	1480.2	*1471.8*	1591.4	1675.4	1599.8
35°	2382.9	2359.9	2311.6	2173.0	1992.4	1786.7	1648.1	*1627.1*	1692.2	1803.5	1721.6
37.5°	2592.9	2569.8	2506.8	2414.4	2273.8	2044.9	1849.7	*1818.2*	1845.5	1963.0	1864.4
40°	2773.5	2779.8	2763.0	2672.7	2542.5	2334.7	2110.0	*2059.6*	2036.5	2141.5	2030.2
42.5°	2903.6	2964.5	2968.7	2857.4	2752.5	2639.1	2387.1	*2347.3*	2292.7	2380.9	2303.2
45°	3176.6	3143.0	3164.0	3124.1	3008.6	2991.8	2706.3	*2683.2*	2607.6	2637.0	2555.1
47.5°	3390.7	3384.4	3424.3	3359.2	3327.7	3329.8	3069.5	*3029.6*	2922.5	2977.1	2884.7
50°	3514.6	3481.0	3625.9	3676.3	3670.0	3695.1	3436.9	*3403.3*	3300.4	3380.2	3182.9
52.5°	3544.0	3604.9	3741.3	3924.0	4001.7	4054.2	3837.9	*3825.3*	3714.0	3764.4	3491.5
55°	3617.5	3676.3	3756.0	4056.3	4343.9	4356.5	4232.6	*4245.2*	4146.5	4133.9	3785.4
57.5°	3615.4	3602.8	3823.2	4171.7	4570.6	4751.2	4684.0	*4623.1*	4516.1	4392.2	3974.4
60°	3483.1	3476.8	3705.6	4186.4	4694.5	5108.1	5135.4	*5064.0*	4795.3	4612.6	4196.9
62.5°	3220.7	3245.9	3476.8	4060.5	4812.1	5236.2	5337.0	*5288.7*	4954.9	4759.6	4459.4
65°	2920.4	2867.9	3136.7	3745.5	4547.6	5198.4	5416.7	*5400.0*	5143.8	4919.2	4700.8
67.5°	2343.1	2366.2	2571.9	3222.8	4096.2	5059.8	5603.6	*5628.8*	5295.0	5059.8	4774.3
70°	*1484.4*	*1526.3*	*1740.5*	*2328.4*	*3344.5*	*4623.1*	*5771.6*	*5845.1*	*5414.6*	*5047.2*	*4560.1*
72.5°	432.5	449.3	741.1	1161.0	2131.0	3707.7	5502.8	*5540.6*	5181.6	4581.1	3527.2
75°	142.8	151.2	218.3	377.9	835.6	1916.9	4064.7	*4243.1*	4123.4	3321.4	2017.6
77.5°	94.5	98.7	119.7	180.6	317.0	600.5	2179.3	*2370.4*	2324.2	1555.7	650.8
80°	69.3	71.4	88.2	121.8	193.2	216.3	804.1	*930.1*	898.6	356.9	130.2
82.5°	44.1	44.1	65.1	86.1	121.8	107.1	233.0	*258.2*	251.9	136.5	50.4
85°	29.4	31.5	48.3	67.2	67.2	50.4	67.2	*77.7*	84.0	73.5	23.1
87.5°	8.4	10.5	27.3	46.2	27.3	25.2	23.1	*25.2*	29.4	39.9	12.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1	1014.1
2.5°	1014.1	1022.5	1020.4	1024.6	1018.3	1012.0	1018.3	1018.3	1018.3	1012.0	1007.8
5°	1022.5	1018.3	1022.5	1014.1	1022.5	1014.1	1009.9	997.3	995.2	995.2	1003.6
7.5°	1035.1	1039.3	1020.4	1020.4	1001.5	1005.7	995.2	997.3	993.1	986.8	982.6
10°	1054.0	1070.8	1051.9	1045.6	1024.6	1007.8	982.6	970.0	970.0	961.6	970.0
12.5°	1106.4	1100.1	1089.6	1068.7	1043.5	1009.9	949.0	888.1	837.7	799.9	818.8
15°	1148.4	1146.3	1131.6	1091.7	1058.2	955.3	802.0	644.6	560.6	522.8	516.5
17.5°	1213.5	1207.2	1182.0	1129.5	1018.3	791.5	550.1	417.8	335.9	317.0	310.7
20°	1274.4	1272.3	1217.7	1150.5	917.5	577.4	359.0	275.0	251.9	254.0	249.8
22.5°	1339.5	1329.0	1263.9	1125.3	730.6	384.2	256.1	245.6	237.2	235.1	239.3
25°	1413.0	1375.2	1310.1	1068.7	537.5	264.5	241.4	233.0	224.6	222.5	222.5
27.5°	1442.4	1417.2	1331.1	932.2	340.1	230.9	226.7	216.3	205.8	199.5	197.4
30°	1509.6	1467.6	1352.1	732.7	241.4	212.1	205.8	193.2	178.5	168.0	168.0
32.5°	1576.7	1526.3	1354.2	512.3	201.6	191.1	180.6	163.8	144.9	134.4	136.5
35°	1660.7	1591.4	1331.1	331.7	180.6	168.0	147.0	128.1	111.3	102.9	102.9
37.5°	1803.5	1738.4	1236.6	218.3	163.8	142.8	121.8	100.8	86.1	79.8	79.8
40°	1984.0	1900.1	1106.4	172.2	144.9	121.8	96.6	77.7	69.3	63.0	63.0
42.5°	2200.3	2095.3	913.3	153.3	128.1	100.8	75.6	60.9	52.5	52.5	50.4
45°	2416.5	2244.4	715.9	140.7	113.4	84.0	58.8	48.3	44.1	42.0	42.0
47.5°	2725.2	2424.9	512.3	128.1	98.7	65.1	48.3	39.9	35.7	33.6	35.7
50°	3021.2	2595.0	363.2	115.5	81.9	52.5	39.9	35.7	31.5	29.4	29.4
52.5°	3281.5	2712.6	254.0	100.8	69.3	44.1	35.7	31.5	29.4	27.3	27.3
55°	3424.3	2672.7	174.3	86.1	56.7	37.8	31.5	27.3	25.2	23.1	23.1
57.5°	3571.3	2561.4	132.3	71.4	46.2	35.7	29.4	25.2	23.1	21.0	21.0
60°	3695.1	2479.5	102.9	56.7	37.8	29.4	25.2	21.0	18.9	16.8	14.7
62.5°	3701.4	2315.8	75.6	42.0	29.4	25.2	21.0	16.8	10.5	8.4	6.3
65°	3726.6	2143.6	54.6	31.5	21.0	18.9	14.7	8.4	4.2	0.0	0.0
67.5°	3638.5	1940.0	44.1	23.1	14.7	10.5	6.3	2.1	0.0	0.0	0.0
70°	*3279.4*	*1637.6*	*33.6*	*16.8*	*10.5*	*6.3*	*2.1*	*0.0*	*0.0*	*0.0*	*0.0*
72.5°	2347.3	1064.5	23.1	12.6	4.2	2.1	0.0	0.0	0.0	0.0	0.0
75°	1251.3	453.5	16.8	8.4	2.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	392.6	115.5	10.5	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0
80°	86.1	31.5	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	29.4	12.6	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.5	4.2	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.2	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)