

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: P671949

Luminaire Tested: **CCP-SA-1F-730-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671949
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ AFL
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6889.9 lumens
Efficiency: N/A
Efficacy: 102.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

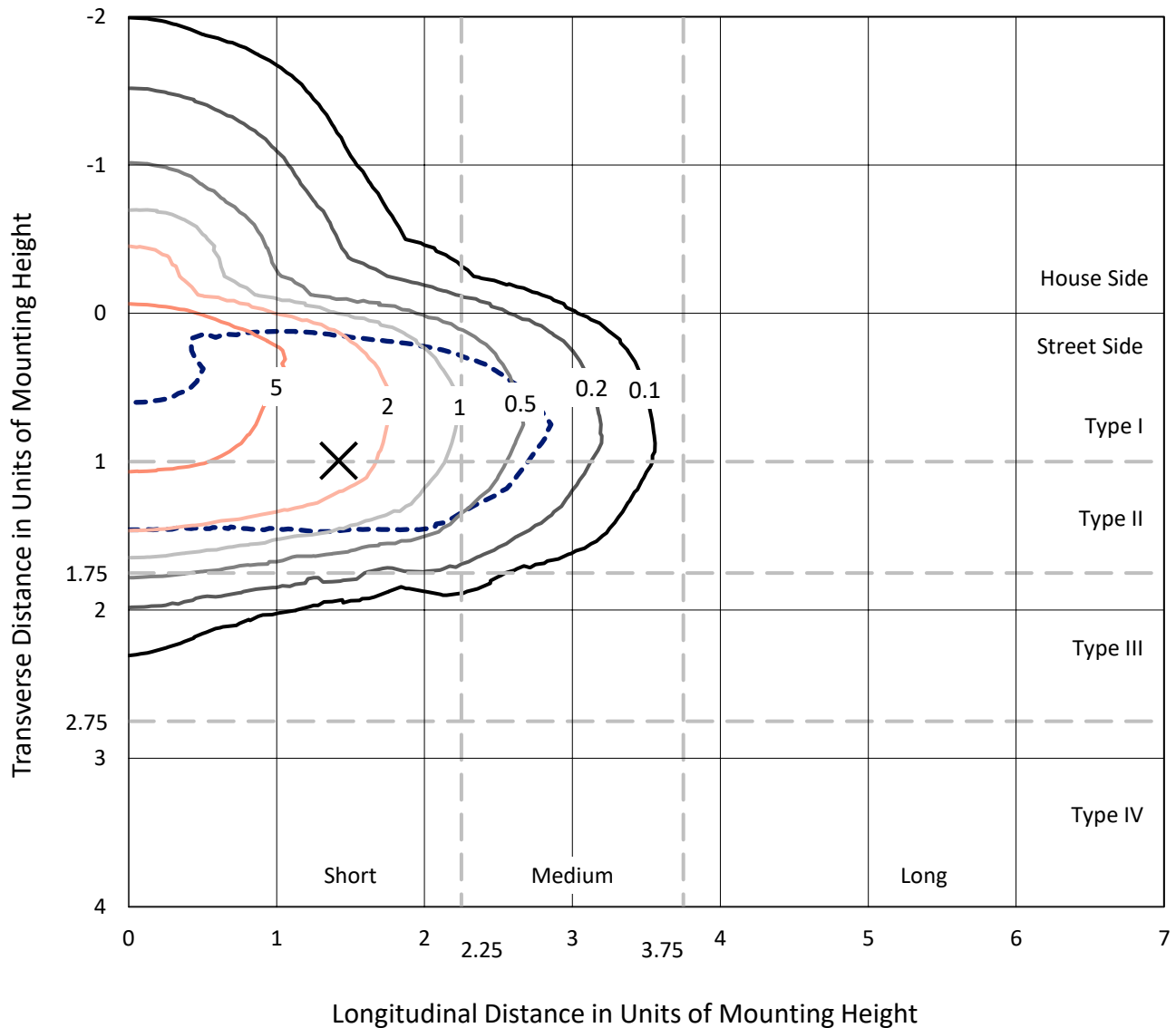
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671949

CATALOG NUMBER: CCP-SA-1F-730-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

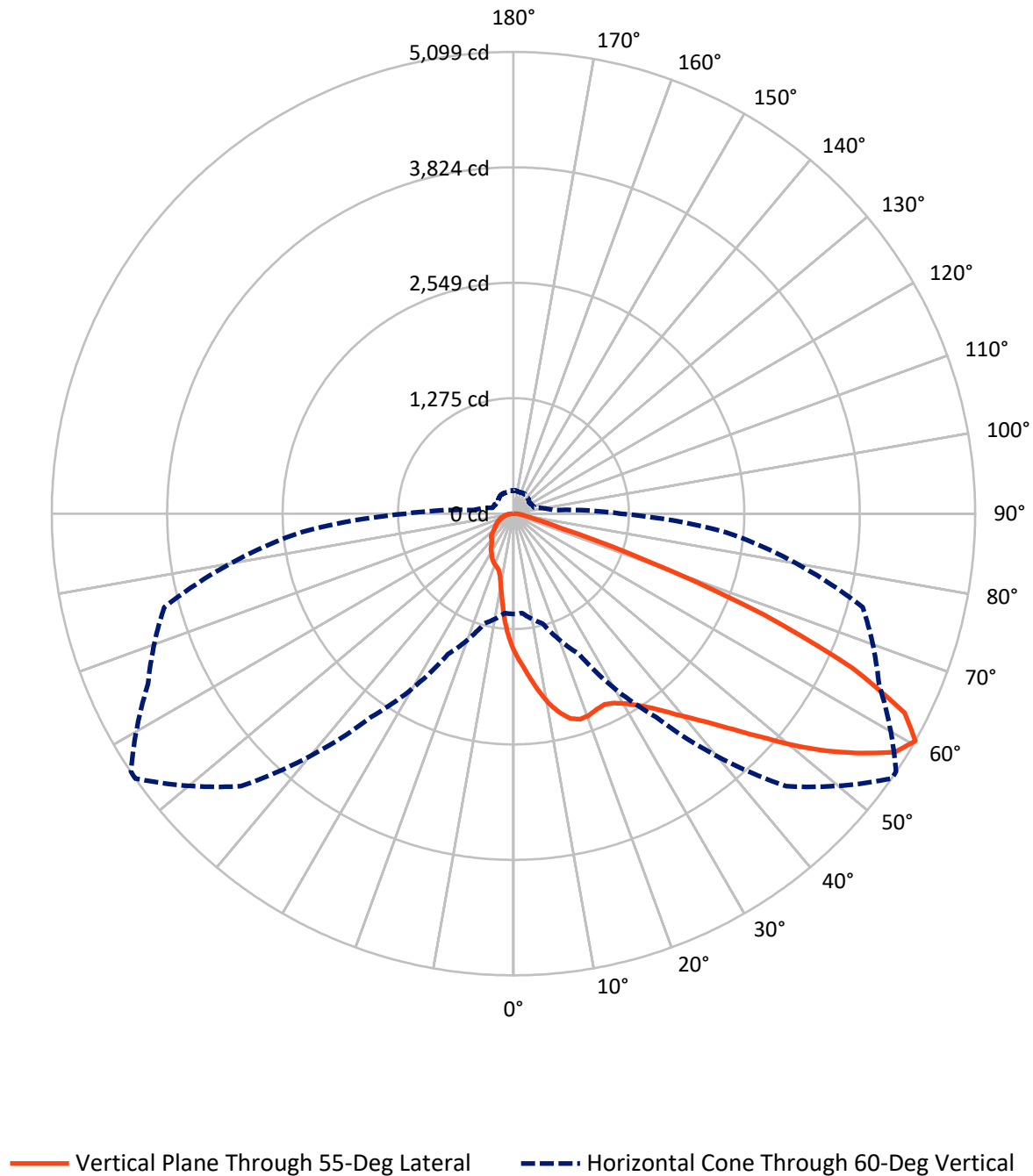
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 9.6 fc
 Type II - Short - N/A

REPORT NUMBER: P671949
CATALOG NUMBER: CCP-SA-1F-730-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P671949

CATALOG NUMBER: CCP-SA-1F-730-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	990.4	0.0	990.4
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5899.4	0.0	5899.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	6889.9	0.0	6889.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.0	2.1
10°-20°	405.1	5.9
20°-30°	659.6	9.6
30°-40°	985.9	14.3
40°-50°	1449.0	21.0
50°-60°	1698.3	24.6
60°-70°	1119.8	16.3
70°-80°	356.6	5.2
80°-90°	72.5	1.1
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°	6889.9	100.0
0°-180°	6889.9	100.0

Coefficient of Utilization



REPORT NUMBER: P671949

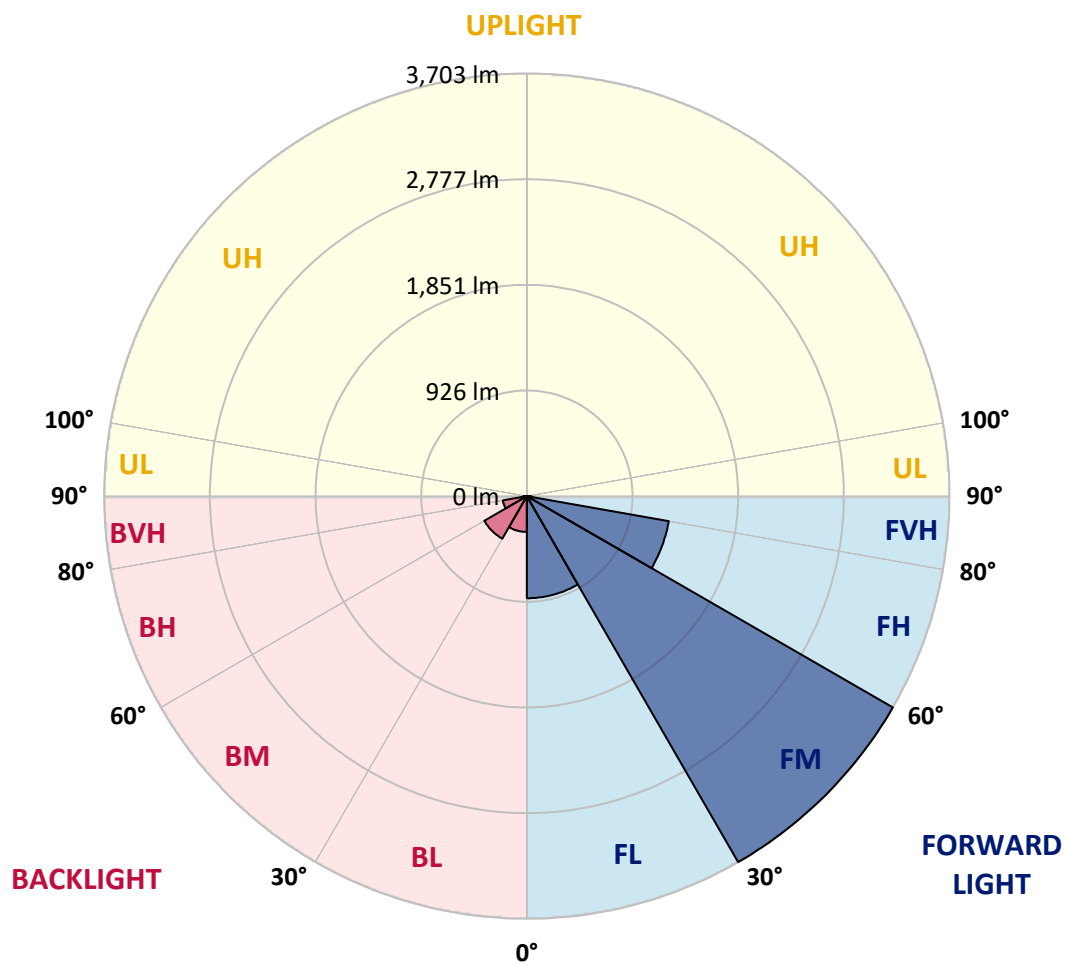
CATALOG NUMBER: CCP-SA-1F-730-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	894.2	13.0			
FM	(30°-60°)	3702.8	53.7			
FH	(60°-80°)	1262.6	18.3			G1/1800
FVH	(80°-90°)	39.8	0.6			G1/100
BL	(0°-30°)	313.5	4.6	B1/500		
BM	(30°-60°)	430.5	6.2	B1/1000		
BH	(60°-80°)	213.7	3.1	B1/500		G1/500
BVH	(80°-90°)	32.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P671949

CATALOG NUMBER: CCP-SA-1F-730-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0
2.5°	1778.2	1771.7	1771.7	1755.2	1730.8	1696.8	1656.4	1646.4	1630.9	1591.4	1540.5
5°	2049.3	2042.3	2032.9	2003.9	1958.5	1890.5	1805.2	1789.7	1734.2	1652.9	1561.0
7.5°	2228.6	2224.6	2221.6	2196.6	2151.7	2084.8	1970.4	1953.0	1859.1	1724.3	1580.4
10°	2210.1	2222.1	2243.1	2260.6	2269.6	2235.1	2127.7	2107.3	1990.9	1807.2	1609.4
12.5°	2036.9	2053.8	2092.8	2164.2	2246.6	2313.0	2252.1	2240.6	2131.7	1895.0	1645.9
15°	1908.0	1915.0	1934.0	1986.9	2109.8	2287.0	2348.5	2338.0	2263.1	2007.9	1687.8
17.5°	1868.1	1871.1	1875.6	1893.0	1976.9	2185.7	2387.9	2397.9	2390.4	2125.2	1735.2
20°	1888.0	1890.0	1890.5	1893.5	1933.5	2100.8	2377.4	2394.4	2502.3	2242.6	1782.2
22.5°	1965.0	1962.5	1959.0	1947.5	1969.9	2085.8	2349.5	2376.4	2588.6	2349.5	1825.6
25°	2099.3	2095.8	2071.3	2047.3	2056.8	2139.7	2334.5	2363.4	2656.1	2450.3	1857.6
27.5°	2259.1	2255.6	2230.6	2185.2	2175.2	2229.6	2369.4	2387.4	2705.5	2539.7	1871.6
30°	2424.9	2424.9	2393.9	2341.5	2309.5	2332.5	2433.8	2448.3	2742.9	2626.1	1880.6
32.5°	2605.6	2610.6	2562.7	2502.8	2467.3	2453.8	2524.2	2536.7	2797.4	2728.0	1899.5
35°	2837.8	2826.8	2768.4	2689.5	2632.6	2602.1	2636.1	2650.6	2877.3	2854.8	1930.0
37.5°	3099.0	3079.5	3007.6	2913.2	2813.8	2762.9	2785.4	2788.9	2995.6	3020.1	1985.4
40°	3314.7	3311.2	3250.3	3160.9	3035.6	2967.1	2956.2	2958.2	3159.9	3215.8	2069.3
42.5°	3496.5	3483.5	3472.5	3441.0	3308.2	3195.9	3150.9	3151.4	3338.2	3418.1	2153.7
45°	3576.9	3574.4	3606.8	3687.7	3592.3	3460.0	3396.1	3405.1	3542.4	3625.8	2235.1
47.5°	3542.4	3544.4	3631.3	3843.5	3899.9	3798.6	3685.2	3679.7	3740.1	3785.1	2307.0
50°	3234.8	3267.3	3502.5	3858.0	4101.7	4152.1	4024.3	4003.8	3913.4	3911.9	2350.9
52.5°	3002.6	3001.1	3145.4	3710.7	4173.1	4471.2	4356.3	4310.4	4056.7	3983.3	2354.4
55°	2689.0	2687.0	2794.4	3279.7	4031.3	4693.9	4669.4	4612.0	4188.1	4006.8	2330.5
57.5°	2036.4	2074.3	2181.2	2625.6	3581.9	4658.5	4968.6	4920.6	4316.4	3996.3	2326.0
60°	1108.1	1103.6	1258.4	1711.3	2742.4	4256.0	5098.9	5096.4	4452.7	3992.3	2353.4
62.5°	510.8	505.8	536.8	762.0	1572.5	3409.6	4847.2	4883.2	4579.1	3955.9	2350.9
65°	382.0	369.0	327.1	354.5	601.7	2035.4	4117.2	4213.0	4384.3	3806.1	2242.1
67.5°	340.6	328.1	279.1	261.7	302.1	718.1	2986.6	3075.0	3666.2	3525.4	2065.8
70°	312.1	301.1	252.2	224.7	226.7	318.1	1563.5	1737.2	2687.0	2942.2	1760.7
72.5°	284.6	275.1	230.7	197.7	190.8	210.2	532.8	642.7	1671.3	2144.2	1312.8
75°	255.7	246.7	207.7	177.3	163.8	155.8	253.7	273.1	883.9	1184.0	704.6
77.5°	222.2	217.2	185.3	156.3	144.8	117.8	168.8	177.3	378.5	464.9	335.6
80°	193.2	189.3	165.3	141.8	129.8	90.9	116.3	122.3	186.8	232.2	187.8
82.5°	125.8	135.8	136.8	121.8	114.4	72.9	76.9	81.4	123.8	136.8	81.9
85°	51.9	62.9	94.4	83.9	79.4	61.9	50.9	51.9	75.9	79.9	29.5
87.5°	23.5	26.0	46.4	46.9	40.9	23.5	25.5	28.0	38.9	38.5	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P671949

CATALOG NUMBER: CCP-SA-1F-730-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0	1528.0
2.5°	1526.5	1503.5	1462.6	1410.2	1372.7	1345.3	1315.3	1293.3	1268.9	1247.4	1250.9
5°	1523.0	1478.6	1386.7	1289.3	1194.4	1116.6	1051.6	1003.7	954.3	934.8	932.3
7.5°	1526.0	1450.6	1299.8	1140.5	996.2	896.8	821.4	776.0	747.5	731.1	732.1
10°	1525.0	1424.2	1205.9	986.2	828.4	737.5	691.6	676.6	674.1	676.1	679.1
12.5°	1526.5	1388.2	1100.6	847.4	708.1	661.6	663.6	677.1	685.6	691.1	694.6
15°	1533.0	1358.7	992.7	738.0	645.2	646.7	668.1	689.1	701.6	707.6	710.6
17.5°	1542.5	1321.8	896.8	655.1	618.7	641.7	669.6	692.1	701.6	705.1	707.6
20°	1543.5	1279.3	800.0	598.2	601.2	631.2	655.6	673.6	685.6	689.6	691.6
22.5°	1539.0	1221.9	700.6	556.8	581.2	611.2	632.2	652.7	636.7	623.7	620.2
25°	1520.0	1149.5	615.7	522.8	556.3	584.2	608.2	585.7	578.2	568.3	569.3
27.5°	1479.1	1059.1	535.8	490.9	526.8	566.8	549.3	546.3	536.8	526.8	526.8
30°	1425.2	963.7	468.9	457.4	491.4	511.3	515.3	510.8	505.3	492.4	493.4
32.5°	1376.7	862.9	421.5	429.4	468.9	468.9	486.4	486.4	466.4	429.9	429.9
35°	1328.8	768.0	386.5	406.0	431.9	440.4	464.4	432.9	404.5	388.0	387.0
37.5°	1291.3	687.1	363.5	386.0	396.0	417.5	418.0	395.0	385.5	370.5	369.0
40°	1269.4	619.2	349.5	376.0	377.0	397.0	364.0	370.5	368.5	357.0	355.5
42.5°	1257.4	566.8	339.1	367.5	362.5	343.1	337.1	348.0	351.5	345.6	343.1
45°	1247.9	525.8	330.6	338.1	351.0	315.6	313.1	321.6	329.1	328.6	326.6
47.5°	1242.9	497.4	323.1	319.6	322.1	299.1	294.1	298.1	307.6	313.6	313.1
50°	1223.4	475.4	312.1	300.6	284.6	284.6	282.1	282.1	293.6	305.6	306.6
52.5°	1189.0	449.4	296.1	282.6	264.2	272.1	273.1	271.1	283.1	296.1	297.1
55°	1151.0	429.9	274.6	266.2	247.2	260.7	265.2	263.2	271.1	280.1	279.6
57.5°	1151.5	429.4	256.2	249.7	231.2	246.2	257.2	257.7	257.2	263.7	263.7
60°	1180.5	439.4	241.7	227.7	212.7	230.7	248.7	248.7	245.2	254.7	255.7
62.5°	1189.0	438.4	232.7	206.7	196.2	216.7	236.2	239.2	236.7	250.2	251.7
65°	1114.1	415.0	223.7	187.8	181.3	201.2	220.7	229.2	226.7	244.2	246.2
67.5°	1010.2	384.5	209.7	170.8	165.8	186.3	204.7	213.7	213.2	236.2	237.2
70°	870.9	347.0	192.3	153.3	150.8	168.8	185.3	194.7	199.2	225.7	225.2
72.5°	674.6	297.6	165.8	134.8	134.3	150.8	165.3	175.8	184.3	209.7	209.7
75°	434.9	234.2	135.3	116.8	114.9	130.3	145.3	157.3	183.3	223.7	223.2
77.5°	265.7	178.8	108.9	97.4	96.9	110.9	125.8	146.3	200.2	199.2	193.7
80°	159.3	128.3	86.9	77.9	77.9	90.9	107.4	156.8	166.3	189.8	179.3
82.5°	82.9	78.9	64.9	57.4	59.9	71.4	97.9	125.3	135.8	115.4	105.9
85°	34.0	41.9	39.9	36.5	38.0	49.4	94.4	100.4	80.4	84.4	84.9
87.5°	11.5	18.5	18.5	14.5	16.0	35.0	55.9	33.5	40.4	24.0	18.0
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)