

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: P671929

Luminaire Tested: **CCP-SA-2B-722-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671929
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2B-722-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ AFL
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5133.7 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

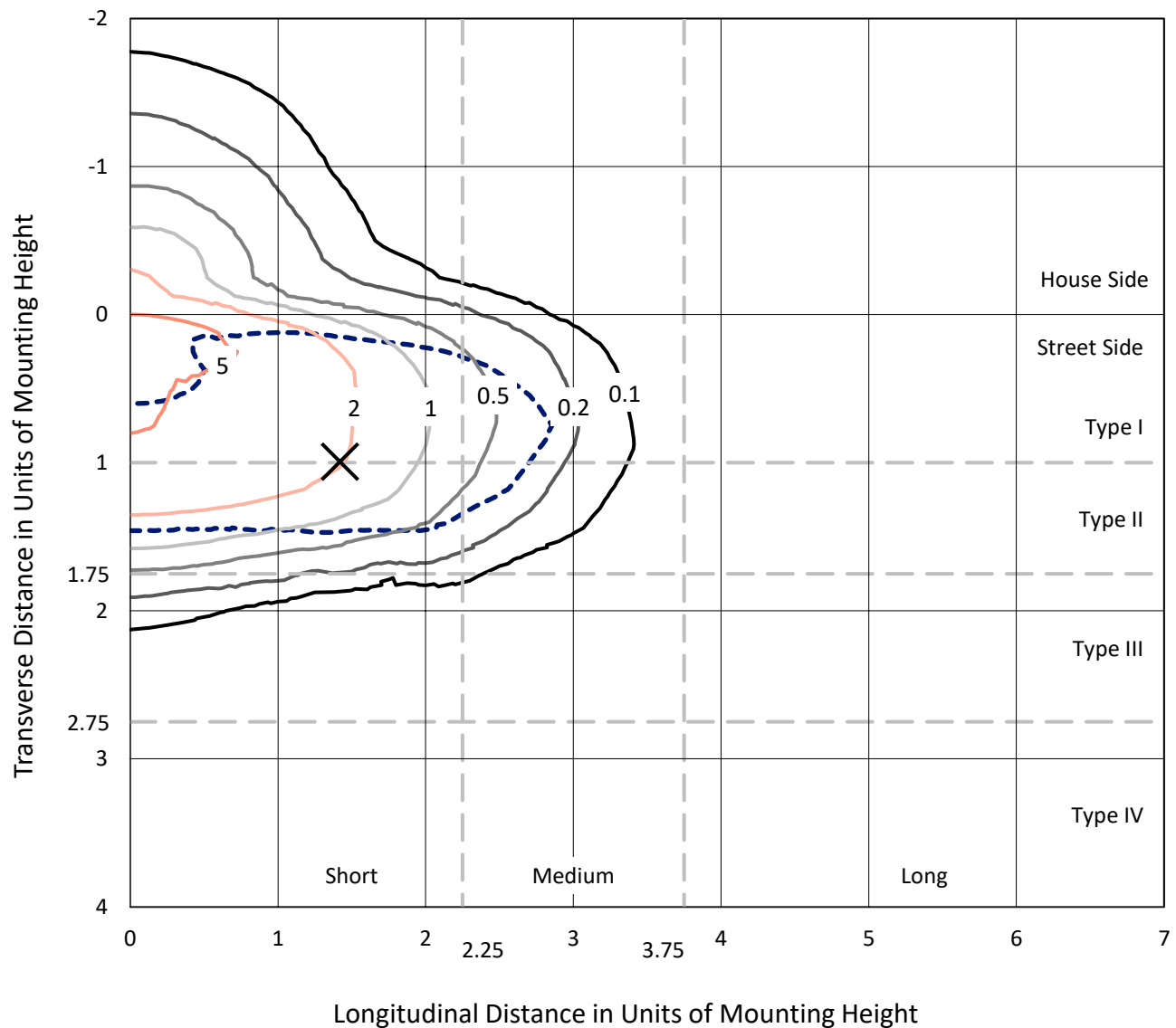
Input Watts (W): 46
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

REPORT NUMBER: P671929

CATALOG NUMBER: CCP-SA-2B-722-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

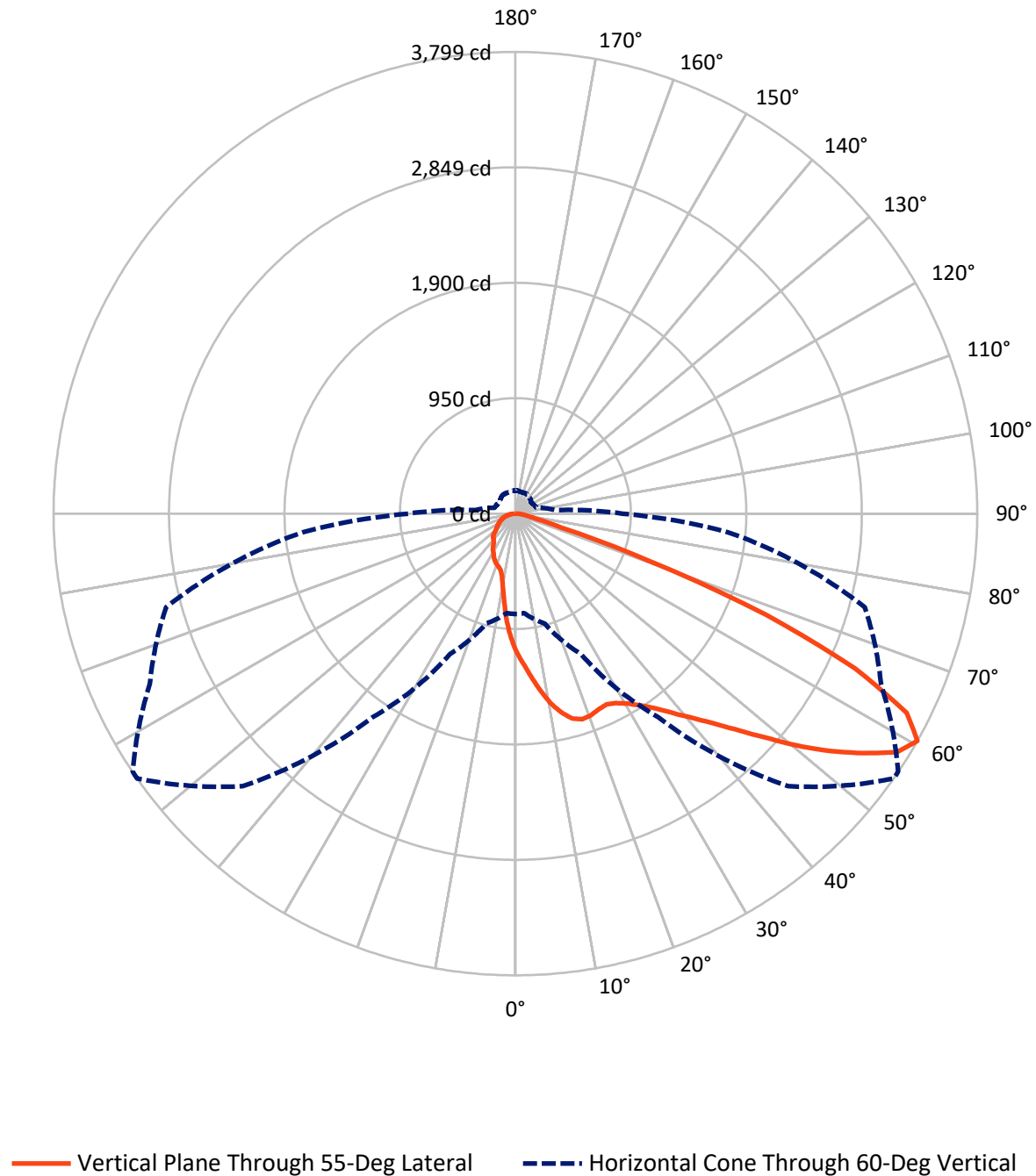


Based on 15 foot mounting height. Maximum calculated value = 7.1 fc
 Type II - Short - N/A

REPORT NUMBER: P671929

CATALOG NUMBER: CCP-SA-2B-722-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P671929

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	738.0	0.0	738.0
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4395.7	0.0	4395.7
	% Fixture	85.6	0.0	85.6
Total	Lumens	5133.7	0.0	5133.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	2.1
10°-20°	301.9	5.9
20°-30°	491.5	9.6
30°-40°	734.6	14.3
40°-50°	1079.7	21.0
50°-60°	1265.4	24.6
60°-70°	834.4	16.3
70°-80°	265.7	5.2
80°-90°	54.0	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°	5133.7	100.0
0°-180°	5133.7	100.0

Coefficient of Utilization



REPORT NUMBER: P671929

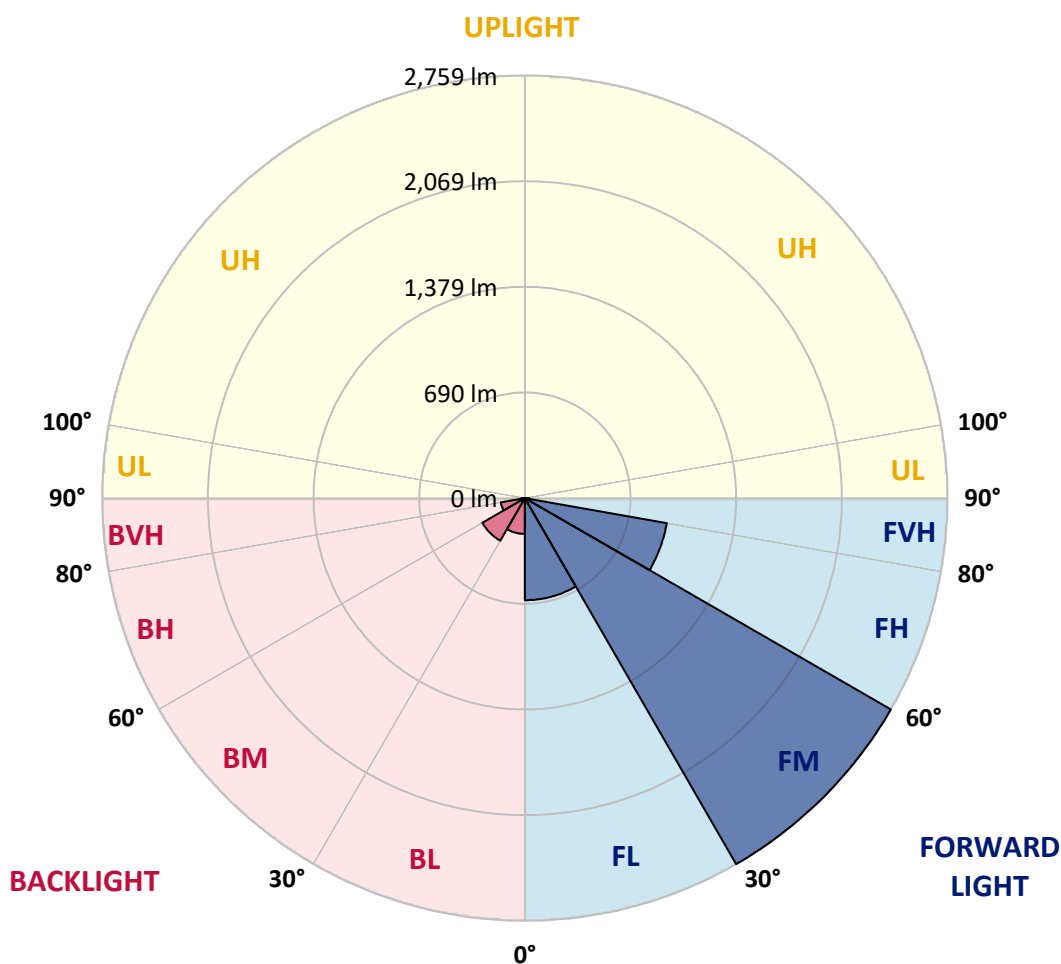
CATALOG NUMBER: CCP-SA-2B-722-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	666.3	13.0			
FM	(30°-60°)	2759.0	53.7			
FH	(60°-80°)	940.8	18.3			G1/1800
FVH	(80°-90°)	29.6	0.6			G1/100
BL	(0°-30°)	233.6	4.6	B1/500		
BM	(30°-60°)	320.7	6.2	B1/1000		
BH	(60°-80°)	159.2	3.1	B1/500		G1/500
BVH	(80°-90°)	24.4	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: P671929

CATALOG NUMBER: CCP-SA-2B-722-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1324.9	1320.1	1320.1	1307.8	1289.6	1264.3	1234.2	1226.7	1215.2	1185.8	1147.8
5°	1527.0	1521.8	1514.7	1493.1	1459.3	1408.7	1345.0	1333.5	1292.2	1231.5	1163.1
7.5°	1660.5	1657.6	1655.3	1636.7	1603.2	1553.4	1468.2	1455.2	1385.2	1284.8	1177.6
10°	1646.8	1655.7	1671.3	1684.4	1691.1	1665.4	1585.4	1570.1	1483.4	1346.5	1199.2
12.5°	1517.7	1530.3	1559.3	1612.5	1673.9	1723.4	1678.0	1669.5	1588.4	1412.0	1226.3
15°	1421.7	1426.9	1441.0	1480.5	1572.0	1704.1	1749.8	1742.0	1686.2	1496.1	1257.6
17.5°	1391.9	1394.1	1397.5	1410.5	1473.0	1628.5	1779.2	1786.7	1781.1	1583.5	1292.9
20°	1406.8	1408.3	1408.7	1410.9	1440.7	1565.3	1771.4	1784.1	1864.4	1671.0	1327.9
22.5°	1464.1	1462.2	1459.6	1451.1	1467.8	1554.1	1750.6	1770.7	1928.8	1750.6	1360.3
25°	1564.2	1561.6	1543.3	1525.5	1532.6	1594.3	1739.4	1761.0	1979.0	1825.7	1384.1
27.5°	1683.2	1680.6	1662.0	1628.2	1620.7	1661.3	1765.5	1778.9	2015.9	1892.3	1394.5
30°	1806.8	1806.8	1783.7	1744.6	1720.8	1737.9	1813.5	1824.3	2043.8	1956.7	1401.2
32.5°	1941.5	1945.2	1909.5	1864.8	1838.4	1828.3	1880.8	1890.1	2084.3	2032.6	1415.4
35°	2114.5	2106.3	2062.8	2004.0	1961.5	1938.9	1964.2	1974.9	2143.9	2127.1	1438.0
37.5°	2309.1	2294.5	2241.0	2170.7	2096.6	2058.7	2075.4	2078.0	2232.0	2250.3	1479.3
40°	2469.8	2467.2	2421.8	2355.2	2261.8	2210.8	2202.6	2204.1	2354.5	2396.1	1541.9
42.5°	2605.2	2595.6	2587.4	2563.9	2465.0	2381.2	2347.8	2348.1	2487.3	2546.8	1604.7
45°	2665.1	2663.3	2687.5	2747.7	2676.7	2578.1	2530.4	2537.1	2639.5	2701.6	1665.4
47.5°	2639.5	2640.9	2705.7	2863.8	2905.9	2830.3	2745.9	2741.8	2786.8	2820.3	1719.0
50°	2410.3	2434.4	2609.7	2874.6	3056.2	3093.8	2998.5	2983.2	2915.9	2914.8	1751.7
52.5°	2237.3	2236.1	2343.7	2764.8	3109.4	3331.5	3245.9	3211.7	3022.7	2968.0	1754.3
55°	2003.6	2002.1	2082.1	2443.7	3003.7	3497.4	3479.2	3436.4	3120.5	2985.5	1736.4
57.5°	1517.3	1545.6	1625.2	1956.3	2668.9	3471.0	3702.1	3666.4	3216.2	2977.7	1733.1
60°	825.6	822.3	937.6	1275.1	2043.4	3171.1	3799.2	3797.3	3317.7	2974.7	1753.6
62.5°	380.6	376.9	400.0	567.8	1171.6	2540.5	3611.7	3638.5	3411.9	2947.5	1751.7
65°	284.6	275.0	243.7	264.2	448.3	1516.6	3067.7	3139.1	3266.8	2835.9	1670.6
67.5°	253.8	244.4	208.0	195.0	225.1	535.0	2225.3	2291.2	2731.7	2626.8	1539.2
70°	232.5	224.4	187.9	167.4	168.9	237.0	1164.9	1294.4	2002.1	2192.2	1311.9
72.5°	212.1	205.0	171.9	147.3	142.1	156.6	397.0	478.9	1245.3	1597.7	978.2
75°	190.5	183.8	154.8	132.1	122.0	116.1	189.0	203.5	658.6	882.2	525.0
77.5°	165.6	161.9	138.0	116.5	107.9	87.8	125.8	132.1	282.0	346.4	250.0
80°	144.0	141.0	123.2	105.7	96.7	67.7	86.7	91.2	139.2	173.0	139.9
82.5°	93.8	101.2	101.9	90.8	85.2	54.3	57.3	60.6	92.3	101.9	61.0
85°	38.7	46.9	70.3	62.5	59.2	46.1	38.0	38.7	56.6	59.5	22.0
87.5°	17.5	19.3	34.6	35.0	30.5	17.5	19.0	20.8	29.0	28.6	9.7
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: P671929

CATALOG NUMBER: CCP-SA-2B-722-U-AFL

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5	1138.5
2.5°	1137.4	1120.3	1089.8	1050.7	1022.8	1002.4	980.0	963.7	945.4	929.4	932.0
5°	1134.8	1101.7	1033.2	960.7	890.0	831.9	783.6	747.9	711.0	696.5	694.7
7.5°	1137.0	1080.9	968.5	849.8	742.3	668.2	612.1	578.2	557.0	544.7	545.5
10°	1136.3	1061.1	898.5	734.8	617.3	549.5	515.3	504.2	502.3	503.8	506.0
12.5°	1137.4	1034.4	820.0	631.4	527.6	493.0	494.5	504.5	510.9	514.9	517.5
15°	1142.3	1012.4	739.7	549.9	480.7	481.8	497.8	513.5	522.8	527.2	529.5
17.5°	1149.3	984.9	668.2	488.2	461.0	478.1	498.9	515.7	522.8	525.4	527.2
20°	1150.1	953.2	596.1	445.7	448.0	470.3	488.5	501.9	510.9	513.8	515.3
22.5°	1146.7	910.5	522.0	414.9	433.1	455.4	471.0	486.3	474.4	464.7	462.1
25°	1132.6	856.5	458.8	389.6	414.5	435.3	453.2	436.4	430.9	423.4	424.2
27.5°	1102.1	789.2	399.2	365.7	392.5	422.3	409.3	407.0	400.0	392.5	392.5
30°	1061.9	718.1	349.4	340.8	366.1	381.0	384.0	380.6	376.5	366.9	367.6
32.5°	1025.8	642.9	314.0	320.0	349.4	349.4	362.4	362.4	347.5	320.4	320.4
35°	990.1	572.2	288.0	302.5	321.8	328.2	346.0	322.6	301.4	289.1	288.4
37.5°	962.2	512.0	270.9	287.6	295.1	311.0	311.4	294.3	287.2	276.1	275.0
40°	945.8	461.4	260.4	280.2	280.9	295.8	271.2	276.1	274.6	266.0	264.9
42.5°	936.9	422.3	252.6	273.8	270.1	255.6	251.1	259.3	261.9	257.5	255.6
45°	929.8	391.8	246.3	251.9	261.6	235.1	233.3	239.6	245.2	244.8	243.3
47.5°	926.1	370.6	240.7	238.1	240.0	222.9	219.1	222.1	229.2	233.7	233.3
50°	911.6	354.2	232.5	224.0	212.1	212.1	210.2	210.2	218.8	227.7	228.5
52.5°	885.9	334.9	220.6	210.6	196.8	202.8	203.5	202.0	211.0	220.6	221.4
55°	857.6	320.4	204.6	198.3	184.2	194.2	197.6	196.1	202.0	208.7	208.4
57.5°	858.0	320.0	190.9	186.0	172.3	183.4	191.6	192.0	191.6	196.5	196.5
60°	879.6	327.4	180.1	169.7	158.5	171.9	185.3	185.3	182.7	189.8	190.5
62.5°	885.9	326.7	173.4	154.0	146.2	161.5	176.0	178.2	176.4	186.4	187.5
65°	830.1	309.2	166.7	139.9	135.1	149.9	164.5	170.8	168.9	181.9	183.4
67.5°	752.7	286.5	156.3	127.2	123.5	138.8	152.5	159.2	158.9	176.0	176.7
70°	648.9	258.6	143.2	114.2	112.4	125.8	138.0	145.1	148.5	168.2	167.8
72.5°	502.7	221.8	123.5	100.5	100.1	112.4	123.2	131.0	137.3	156.3	156.3
75°	324.1	174.5	100.8	87.1	85.6	97.1	108.3	117.2	136.5	166.7	166.3
77.5°	197.9	133.2	81.1	72.6	72.2	82.6	93.8	109.0	149.2	148.5	144.4
80°	118.7	95.6	64.7	58.0	58.0	67.7	80.0	116.8	123.9	141.4	133.6
82.5°	61.8	58.8	48.4	42.8	44.6	53.2	72.9	93.4	101.2	85.9	78.9
85°	25.3	31.3	29.8	27.2	28.3	36.8	70.3	74.8	59.9	62.9	63.3
87.5°	8.6	13.8	13.8	10.8	11.9	26.0	41.7	24.9	30.1	17.9	13.4
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)