

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: P671961

Luminaire Tested: **CCP-SA-2A-735-U-AFL**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671961
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-735-U-AFL
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ AFL
distribution lens
Light Source: (32) 3500K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5446.1 lumens
Efficiency: N/A
Efficacy: 150.4 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): 36.2
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

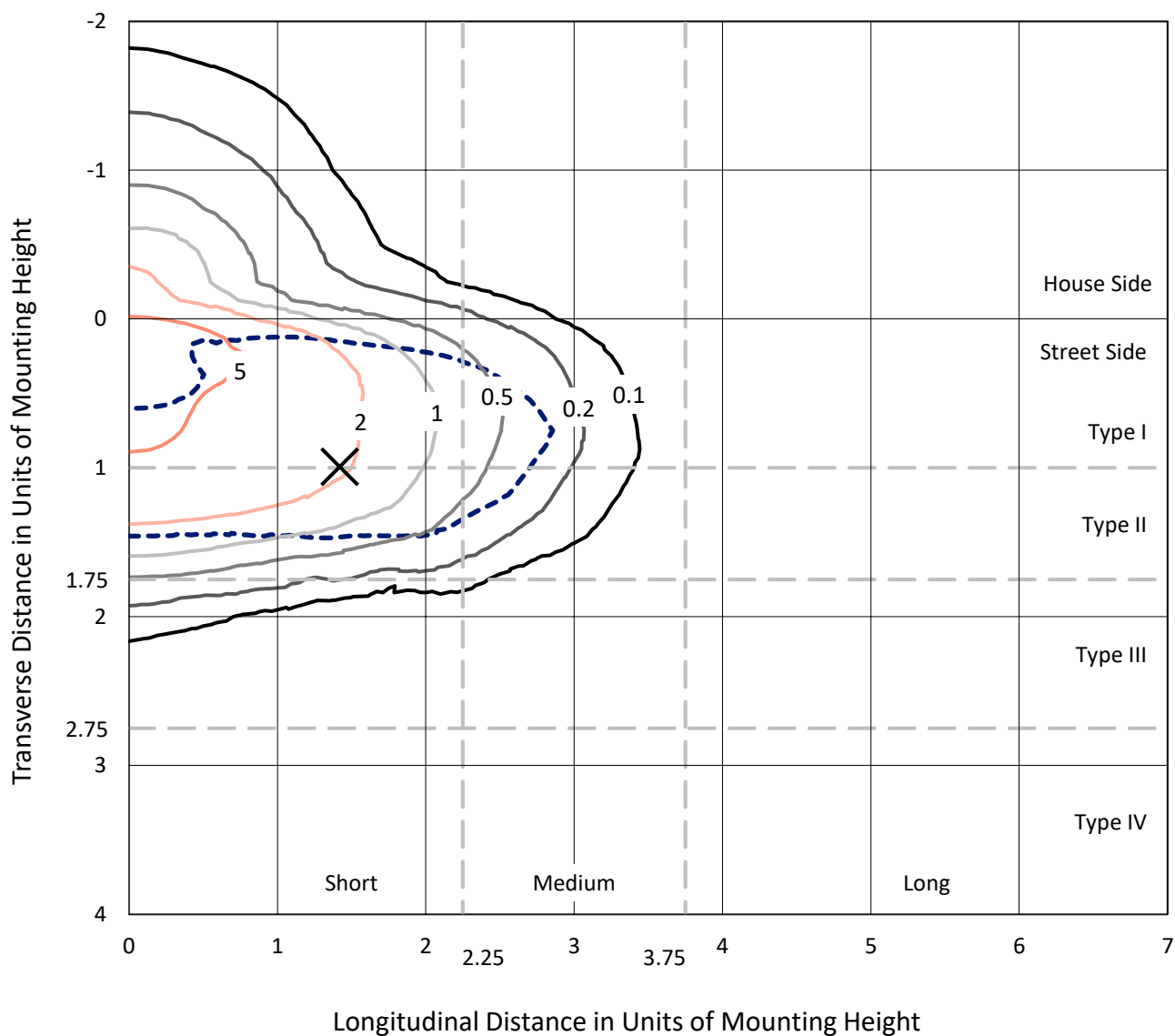
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

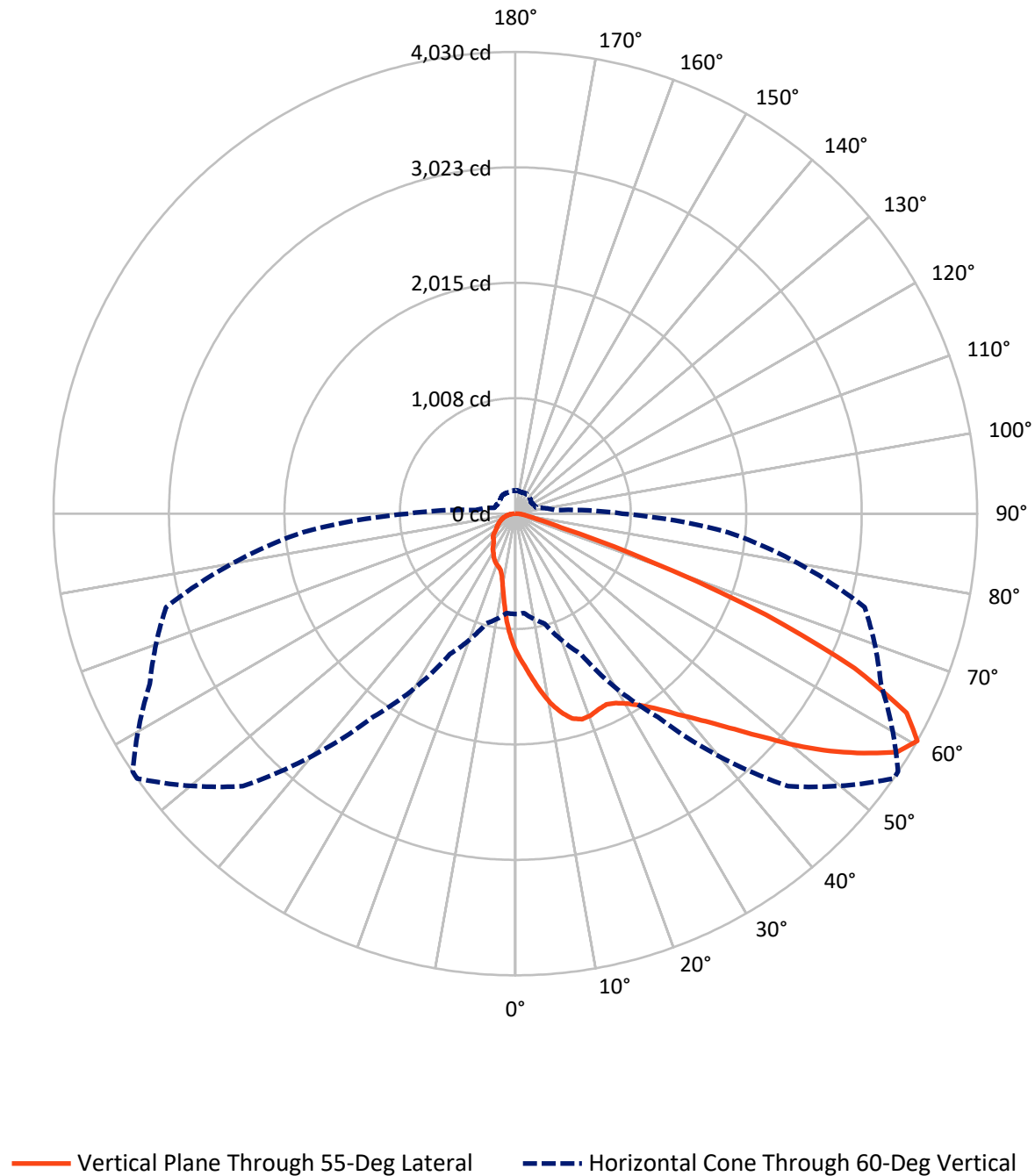


Based on 15 foot mounting height. Maximum calculated value = 7.6 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	782.9	0.0	782.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4663.2	0.0	4663.2
	% Fixture	85.6	0.0	85.6
Total	Lumens	5446.1	0.0	5446.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.0	2.1
10°-20°	320.2	5.9
20°-30°	521.4	9.6
30°-40°	779.3	14.3
40°-50°	1145.4	21.0
50°-60°	1342.4	24.6
60°-70°	885.1	16.3
70°-80°	281.8	5.2
80°-90°	57.3	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°	5446.1	100.0
0°-180°	5446.1	100.0

Coefficient of Utilization



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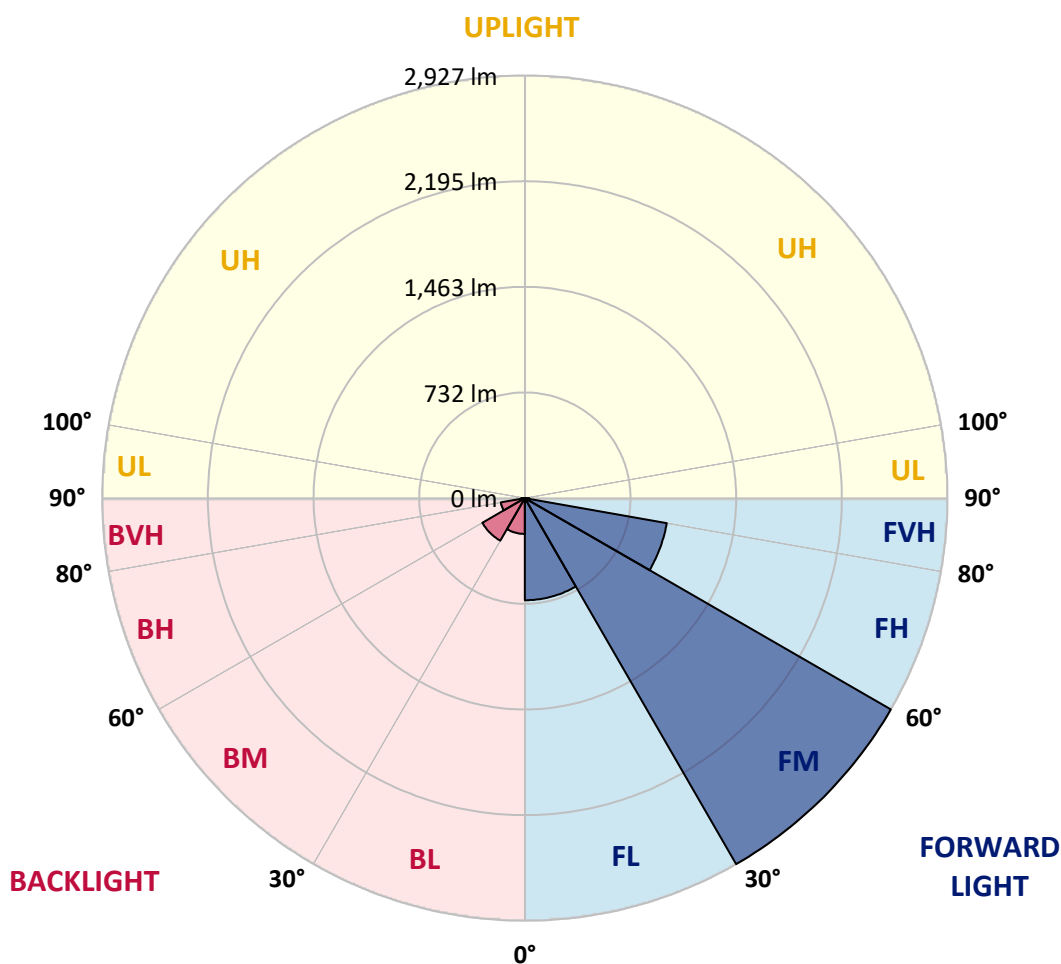
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	706.8	13.0			
FM	(30°-60°)	2926.8	53.7			
FH	(60°-80°)	998.0	18.3			G1/1800
FVH	(80°-90°)	31.4	0.6			G1/100
BL	(0°-30°)	247.8	4.6	B1/500		
BM	(30°-60°)	340.3	6.2	B1/1000		
BH	(60°-80°)	168.9	3.1	B1/500		G1/500
BVH	(80°-90°)	25.9	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8
2.5°	1405.6	1400.4	1400.4	1387.4	1368.1	1341.2	1309.3	1301.4	1289.1	1257.9	1217.7
5°	1619.9	1614.4	1606.9	1584.0	1548.1	1494.4	1426.9	1414.6	1370.8	1306.5	1233.9
7.5°	1761.6	1758.4	1756.1	1736.3	1700.8	1647.9	1557.5	1543.7	1469.5	1362.9	1249.3
10°	1747.0	1756.5	1773.0	1786.9	1794.0	1766.7	1681.9	1665.7	1573.7	1428.5	1272.2
12.5°	1610.0	1623.4	1654.2	1710.7	1775.8	1828.3	1780.1	1771.1	1685.0	1497.9	1301.0
15°	1508.2	1513.7	1528.7	1570.6	1667.6	1807.8	1856.3	1848.0	1788.8	1587.1	1334.1
17.5°	1476.6	1479.0	1482.5	1496.3	1562.7	1727.6	1887.5	1895.4	1889.5	1679.9	1371.6
20°	1492.4	1494.0	1494.4	1496.7	1528.3	1660.5	1879.2	1892.6	1977.9	1772.6	1408.7
22.5°	1553.2	1551.2	1548.4	1539.4	1557.1	1648.7	1857.1	1878.4	2046.2	1857.1	1443.1
25°	1659.4	1656.6	1637.3	1618.3	1625.8	1691.3	1845.3	1868.2	2099.5	1936.8	1468.3
27.5°	1785.7	1782.9	1763.2	1727.3	1719.4	1762.4	1872.9	1887.1	2138.5	2007.5	1479.4
30°	1916.7	1916.7	1892.2	1850.8	1825.5	1843.7	1923.8	1935.3	2168.1	2075.8	1486.5
32.5°	2059.6	2063.5	2025.7	1978.3	1950.3	1939.6	1995.3	2005.1	2211.2	2156.3	1501.5
35°	2243.1	2234.5	2188.3	2125.9	2080.9	2056.8	2083.7	2095.1	2274.3	2256.6	1525.6
37.5°	2449.6	2434.2	2377.3	2302.7	2224.2	2183.9	2201.7	2204.5	2367.9	2387.2	1569.4
40°	2620.1	2617.3	2569.2	2498.5	2399.4	2345.4	2336.7	2338.3	2497.7	2541.9	1635.7
42.5°	2763.8	2753.5	2744.8	2719.9	2615.0	2526.1	2490.6	2491.0	2638.6	2701.8	1702.4
45°	2827.3	2825.3	2851.0	2914.9	2839.5	2734.9	2684.4	2691.5	2800.1	2866.0	1766.7
47.5°	2800.1	2801.7	2870.3	3038.1	3082.7	3002.6	2913.0	2908.6	2956.4	2991.9	1823.6
50°	2556.9	2582.6	2768.5	3049.5	3242.1	3282.0	3181.0	3164.8	3093.3	3092.2	1858.3
52.5°	2373.4	2372.2	2486.3	2933.1	3298.6	3534.2	3443.5	3407.1	3206.6	3148.6	1861.1
55°	2125.5	2123.9	2208.8	2592.5	3186.5	3710.3	3690.9	3645.5	3310.4	3167.2	1842.1
57.5°	1609.6	1639.6	1724.1	2075.4	2831.3	3682.2	3927.4	3889.5	3411.9	3158.9	1838.6
60°	875.9	872.3	994.7	1352.7	2167.7	3364.1	4030.4	4028.4	3519.6	3155.7	1860.3
62.5°	403.8	399.8	424.3	602.3	1242.9	2695.1	3831.5	3859.9	3619.5	3126.9	1858.3
65°	302.0	291.7	258.5	280.2	475.6	1608.8	3254.4	3330.2	3465.6	3008.5	1772.2
67.5°	269.2	259.3	220.6	206.8	238.8	567.6	2360.8	2430.6	2898.0	2786.7	1632.9
70°	246.7	238.0	199.3	177.6	179.2	251.4	1235.8	1373.2	2123.9	2325.6	1391.7
72.5°	225.0	217.5	182.4	156.3	150.8	166.2	421.2	508.0	1321.1	1694.9	1037.7
75°	202.1	195.0	164.2	140.1	129.5	123.1	200.5	215.9	698.6	935.9	556.9
77.5°	175.6	171.7	146.4	123.5	114.5	93.2	133.4	140.1	299.2	367.5	265.2
80°	152.8	149.6	130.6	112.1	102.6	71.8	92.0	96.7	147.6	183.5	148.4
82.5°	99.5	107.4	108.2	96.3	90.4	57.6	60.8	64.3	97.9	108.2	64.7
85°	41.0	49.7	74.6	66.3	62.8	48.9	40.3	41.0	60.0	63.2	23.3
87.5°	18.6	20.5	36.7	37.1	32.4	18.6	20.1	22.1	30.8	30.4	10.3
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°	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8	1207.8
2.5°	1206.6	1188.5	1156.1	1114.7	1085.1	1063.3	1039.7	1022.3	1003.0	986.0	988.7
5°	1203.9	1168.7	1096.1	1019.1	944.1	882.6	831.3	793.4	754.3	738.9	736.9
7.5°	1206.2	1146.6	1027.4	901.5	787.4	708.9	649.3	613.4	590.9	577.9	578.6
10°	1205.4	1125.7	953.2	779.6	654.8	583.0	546.7	534.8	532.9	534.4	536.8
12.5°	1206.6	1097.3	869.9	669.8	559.7	523.0	524.6	535.2	541.9	546.3	549.0
15°	1211.8	1074.0	784.7	583.4	510.0	511.1	528.1	544.7	554.6	559.3	561.7
17.5°	1219.3	1044.8	708.9	517.9	489.0	507.2	529.3	547.1	554.6	557.3	559.3
20°	1220.0	1011.2	632.3	472.9	475.2	498.9	518.3	532.5	541.9	545.1	546.7
22.5°	1216.5	965.9	553.8	440.1	459.4	483.1	499.7	515.9	503.3	493.0	490.2
25°	1201.5	908.6	486.7	413.3	439.7	461.8	480.8	463.0	457.1	449.2	450.0
27.5°	1169.1	837.2	423.5	388.0	416.4	448.0	434.2	431.8	424.3	416.4	416.4
30°	1126.5	761.8	370.6	361.6	388.4	404.2	407.3	403.8	399.4	389.2	390.0
32.5°	1088.2	682.1	333.1	339.5	370.6	370.6	384.4	384.4	368.7	339.8	339.8
35°	1050.3	607.1	305.5	320.9	341.4	348.1	367.1	342.2	319.7	306.7	305.9
37.5°	1020.7	543.1	287.3	305.1	313.0	330.0	330.4	312.2	304.7	292.9	291.7
40°	1003.4	489.4	276.3	297.2	298.0	313.8	287.7	292.9	291.3	282.2	281.0
42.5°	993.9	448.0	268.0	290.5	286.6	271.2	266.4	275.1	277.9	273.1	271.2
45°	986.4	415.6	261.3	267.2	277.5	249.5	247.5	254.2	260.1	259.7	258.1
47.5°	982.4	393.1	255.4	252.6	254.6	236.4	232.5	235.6	243.1	247.9	247.5
50°	967.0	375.8	246.7	237.6	225.0	225.0	223.0	223.0	232.1	241.6	242.4
52.5°	939.8	355.2	234.1	223.4	208.8	215.1	215.9	214.3	223.8	234.1	234.9
55°	909.8	339.8	217.1	210.4	195.4	206.0	209.6	208.0	214.3	221.4	221.0
57.5°	910.2	339.5	202.5	197.4	182.8	194.6	203.3	203.7	203.3	208.4	208.4
60°	933.1	347.3	191.0	180.0	168.1	182.4	196.6	196.6	193.8	201.3	202.1
62.5°	939.8	346.6	183.9	163.4	155.1	171.3	186.7	189.1	187.1	197.7	198.9
65°	880.6	328.0	176.8	148.4	143.3	159.1	174.5	181.2	179.2	193.0	194.6
67.5°	798.5	303.9	165.8	135.0	131.0	147.2	161.8	168.9	168.5	186.7	187.5
70°	688.4	274.3	152.0	121.2	119.2	133.4	146.4	153.9	157.5	178.4	178.0
72.5°	533.3	235.2	131.0	106.6	106.2	119.2	130.6	138.9	145.6	165.8	165.8
75°	343.8	185.1	107.0	92.4	90.8	103.0	114.9	124.3	144.9	176.8	176.4
77.5°	210.0	141.3	86.0	77.0	76.6	87.6	99.5	115.7	158.3	157.5	153.1
80°	125.9	101.4	68.7	61.6	61.6	71.8	84.9	123.9	131.4	150.0	141.7
82.5°	65.5	62.4	51.3	45.4	47.4	56.4	77.4	99.1	107.4	91.2	83.7
85°	26.8	33.2	31.6	28.8	30.0	39.1	74.6	79.3	63.5	66.7	67.1
87.5°	9.1	14.6	14.6	11.4	12.6	27.6	44.2	26.4	32.0	18.9	14.2
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)