

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: P674873

Luminaire Tested: **CCW-SA-2A-827-U-T2**

Issue Date: 04/25/2023

Test Information

Test Method: LM-79-08
Report Number: P674873
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-827-U-T2
Description: INVUE CLEAR CURVE Wall Pack MOUNT LIGHT SQUARE LUMINAIRE @350mA w/
T2 distribution lens
Light Source: (32) 2700K CCT, 80 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4012.2 lumens
Efficiency: N/A
Efficacy: 110.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

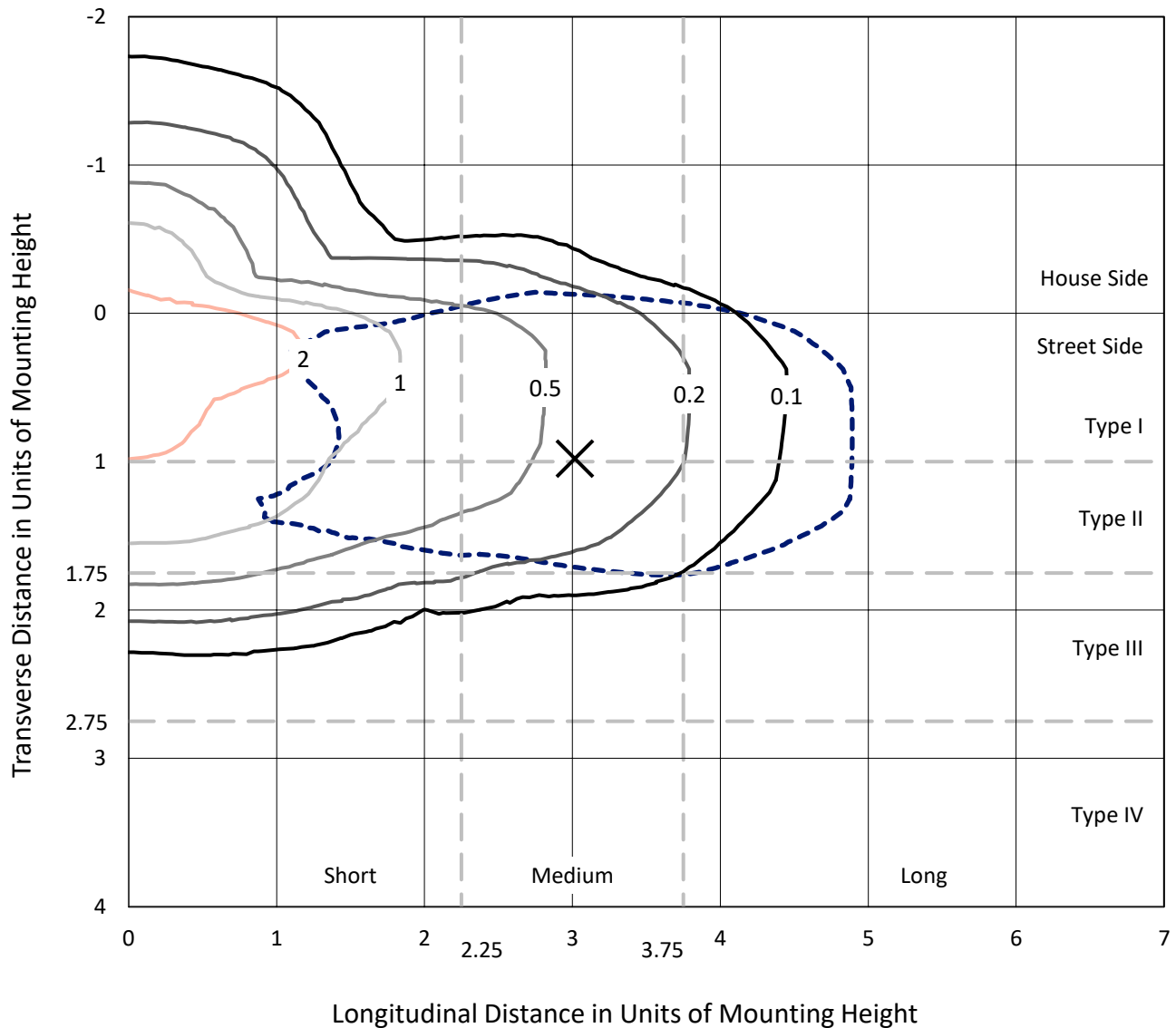
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

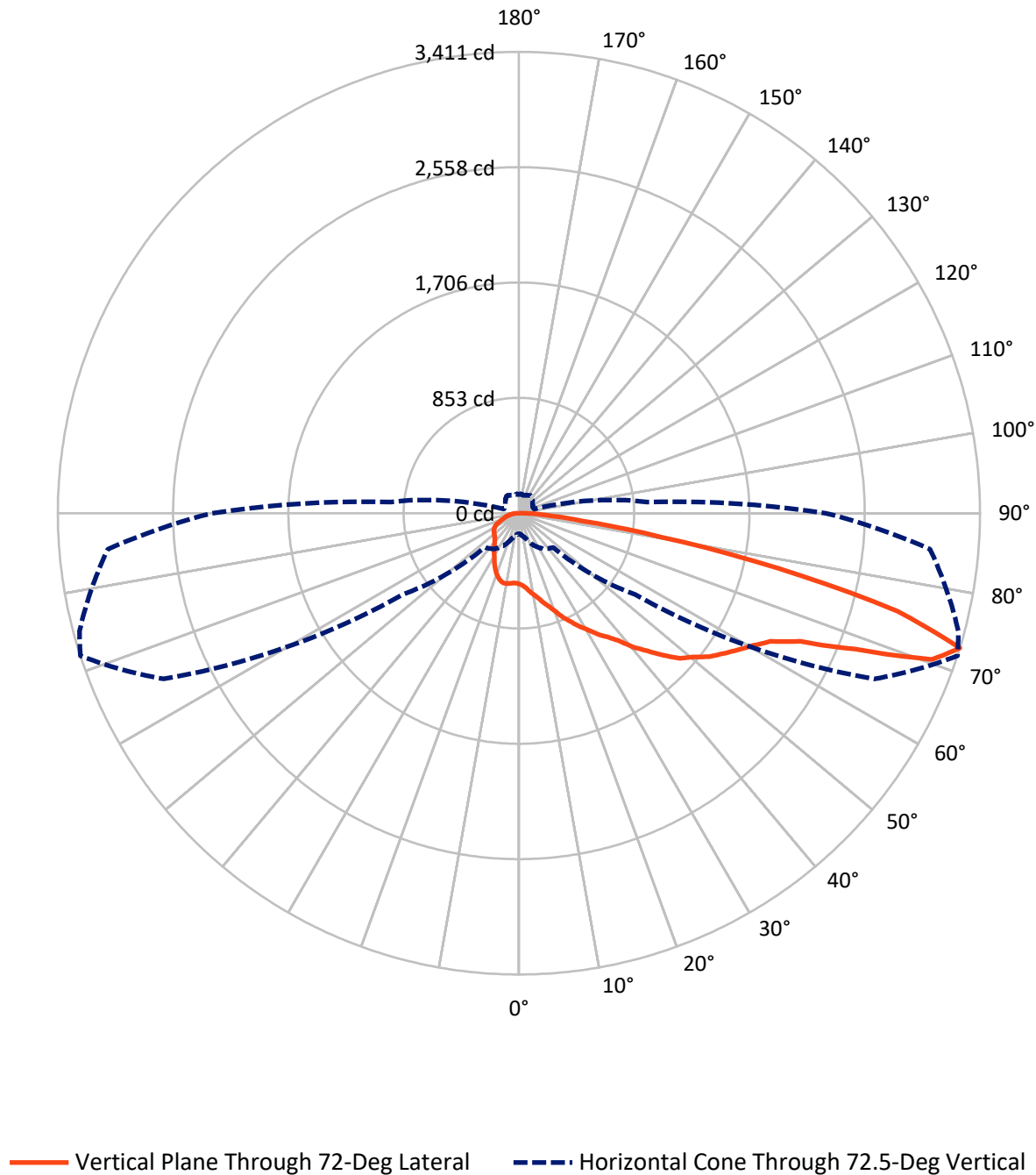
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	844.4	0.0	844.4
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3167.8	0.0	3167.8
	% Fixture	79.0	0.0	79.0
Total	Lumens	4012.2	0.0	4012.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.8	1.3
10°-20°	161.0	4.0
20°-30°	278.6	6.9
30°-40°	411.5	10.3
40°-50°	612.0	15.3
50°-60°	839.0	20.9
60°-70°	910.0	22.7
70°-80°	641.6	16.0
80°-90°	106.6	2.7
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°	4012.2	100.0
0°-180°	4012.2	100.0

Coefficient of Utilization



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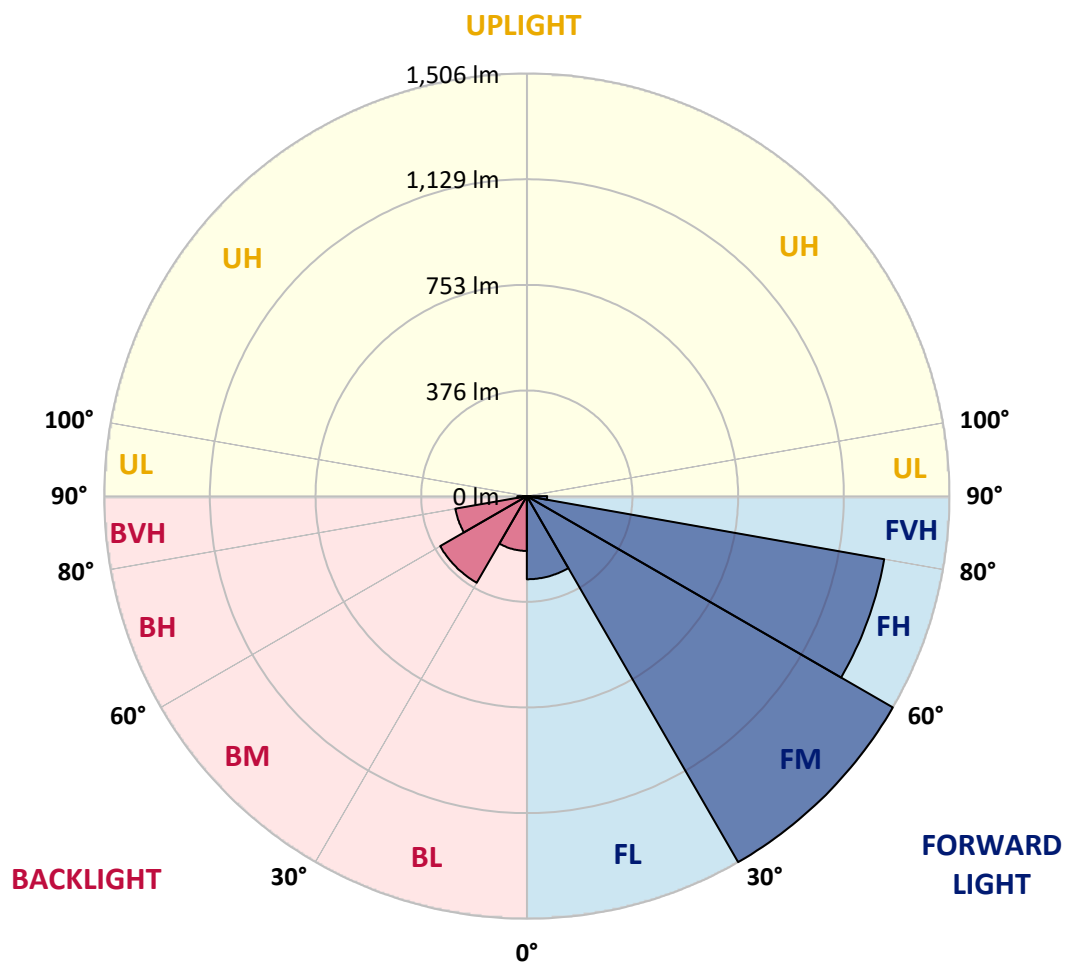
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.3	7.4			
FM	(30°-60°)	1505.8	37.5			
FH	(60°-80°)	1293.0	32.2			G1/1800
FVH	(80°-90°)	72.7	1.8			G1/100
BL	(0°-30°)	195.2	4.9	B1/500		
BM	(30°-60°)	356.6	8.9	B1/1000		
BH	(60°-80°)	258.6	6.4	B1/500		G1/500
BVH	(80°-90°)	33.9	0.8			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1
2.5°	565.6	565.6	561.1	559.6	559.6	547.8	549.3	541.9	535.9	535.9	530.0
5°	595.2	592.2	592.2	592.2	584.8	580.4	578.9	565.6	555.2	556.7	538.9
7.5°	602.6	604.0	605.5	612.9	608.5	611.4	608.5	593.7	586.3	578.9	562.6
10°	607.0	610.0	610.0	620.3	620.3	627.7	632.2	626.3	612.9	605.5	578.9
12.5°	617.4	612.9	618.9	626.3	633.7	647.0	660.3	654.4	645.5	636.6	607.0
15°	617.4	618.9	623.3	635.1	647.0	660.3	684.0	692.9	688.4	672.2	641.1
17.5°	599.6	595.2	615.9	638.1	660.3	676.6	707.7	728.4	725.4	719.5	672.2
20°	601.1	605.5	612.9	632.2	667.7	697.3	735.8	769.9	777.3	774.3	713.6
22.5°	627.7	629.2	636.6	645.5	673.6	712.1	769.9	824.6	838.0	830.6	759.5
25°	654.4	666.2	666.2	672.2	682.5	722.5	792.1	869.1	888.3	889.8	806.9
27.5°	697.3	700.3	709.2	712.1	721.0	744.7	817.2	901.6	946.0	940.1	849.8
30°	747.7	749.1	755.1	752.1	753.6	783.2	840.9	938.6	999.3	1000.8	895.7
32.5°	806.9	818.7	821.7	802.4	805.4	812.8	877.9	983.1	1066.0	1055.6	935.7
35°	894.2	898.7	889.8	880.9	858.7	854.3	916.4	1027.5	1123.7	1135.5	994.9
37.5°	1002.3	1014.1	1002.3	954.9	931.2	913.5	963.8	1076.3	1193.3	1233.3	1054.1
40°	1103.0	1101.5	1089.7	1046.7	1005.3	991.9	1031.9	1144.4	1301.4	1339.9	1140.0
42.5°	1184.4	1180.0	1172.6	1140.0	1101.5	1079.3	1110.4	1215.5	1391.7	1465.7	1239.2
45°	1255.5	1249.5	1251.0	1214.0	1177.0	1188.8	1188.8	1296.9	1498.3	1590.1	1353.2
47.5°	1322.1	1325.1	1320.6	1292.5	1264.4	1295.4	1279.2	1390.2	1603.4	1705.5	1449.4
50°	1399.1	1405.0	1390.2	1372.4	1347.3	1378.4	1357.6	1477.5	1671.5	1810.7	1564.9
52.5°	1471.6	1477.5	1490.9	1468.7	1443.5	1468.7	1421.3	1559.0	1761.8	1912.8	1653.7
55°	1489.4	1486.4	1560.5	1584.1	1597.5	1522.0	1477.5	1628.6	1832.9	1978.0	1754.4
57.5°	1408.0	1415.4	1516.0	1584.1	1726.3	1661.1	1541.2	1710.0	1906.9	2063.8	1847.7
60°	1205.1	1209.6	1335.4	1496.8	1704.1	1791.4	1712.9	1815.1	1988.3	2136.4	1952.8
62.5°	805.4	839.4	996.4	1249.5	1547.1	1826.9	1986.8	1992.8	2087.5	2228.2	2096.4
65°	424.9	441.2	564.1	768.4	1172.6	1704.1	2244.4	2345.1	2285.9	2396.9	2303.7
67.5°	278.3	284.3	350.9	466.4	676.6	1243.6	2274.1	2956.6	2684.2	2718.2	2635.3
70°	207.3	210.2	259.1	345.0	419.0	664.7	1864.0	3242.3	3240.8	3150.5	3029.1
72.5°	152.5	156.9	191.0	263.5	322.8	358.3	1048.2	2900.3	3411.1	3365.2	3052.8
75°	119.9	122.9	140.6	204.3	260.6	235.4	531.5	2148.2	2892.9	3113.5	2793.7
77.5°	97.7	100.7	111.0	148.1	208.8	182.1	254.6	1385.8	1961.7	2241.5	2137.9
80°	81.4	81.4	88.8	105.1	161.4	137.7	151.0	778.7	1057.1	1166.6	969.7
82.5°	69.6	68.1	74.0	77.0	119.9	99.2	97.7	352.4	464.9	493.0	364.2
85°	44.4	45.9	69.6	66.6	78.5	68.1	54.8	167.3	219.1	223.6	136.2
87.5°	17.8	17.8	29.6	37.0	44.4	41.5	26.6	75.5	96.2	96.2	38.5
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°	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1	524.1
2.5°	528.5	522.6	518.2	515.2	507.8	500.4	501.9	500.4	494.5	491.5	491.5
5°	534.5	528.5	521.1	509.3	501.9	493.0	496.0	490.0	484.1	488.6	481.2
7.5°	549.3	538.9	528.5	510.8	498.9	485.6	479.7	476.7	472.3	469.3	469.3
10°	570.0	555.2	535.9	509.3	490.0	469.3	466.4	460.4	456.0	456.0	454.5
12.5°	590.7	574.4	541.9	498.9	466.4	451.6	450.1	451.6	454.5	456.0	457.5
15°	617.4	590.7	540.4	479.7	447.1	441.2	448.6	454.5	460.4	466.4	464.9
17.5°	642.5	611.4	527.1	456.0	430.8	432.3	445.6	457.5	469.3	475.2	476.7
20°	676.6	630.7	507.8	427.9	414.5	427.9	445.6	460.4	473.8	481.2	482.6
22.5°	715.1	652.9	482.6	402.7	401.2	414.5	432.3	454.5	469.3	482.6	481.2
25°	749.1	667.7	450.1	382.0	384.9	393.8	414.5	438.2	453.0	467.8	463.4
27.5°	771.3	670.7	416.0	367.2	367.2	376.0	395.3	410.1	423.4	435.3	436.7
30°	796.5	664.7	377.5	347.9	347.9	359.8	367.2	376.0	383.5	386.4	389.4
32.5°	826.1	651.4	353.8	333.1	333.1	342.0	346.4	343.5	342.0	334.6	339.0
35°	854.3	632.2	327.2	313.9	319.8	324.2	322.8	313.9	305.0	291.7	287.2
37.5°	888.3	612.9	303.5	293.1	303.5	305.0	305.0	294.6	282.8	266.5	266.5
40°	940.1	598.1	284.3	279.8	290.2	288.7	281.3	273.9	278.3	269.5	269.5
42.5°	994.9	592.2	266.5	268.0	272.4	273.9	266.5	257.6	275.4	265.0	266.5
45°	1063.0	596.6	254.6	253.2	263.5	262.0	257.6	250.2	256.1	229.5	222.1
47.5°	1126.7	605.5	248.7	242.8	254.6	257.6	251.7	235.4	226.5	210.2	207.3
50°	1184.4	624.8	242.8	231.0	242.8	248.7	238.4	220.6	210.2	199.9	199.9
52.5°	1239.2	652.9	239.8	217.6	228.0	235.4	229.5	211.7	199.9	195.4	191.0
55°	1295.4	678.1	235.4	208.8	211.7	226.5	225.0	201.3	189.5	189.5	188.0
57.5°	1375.4	712.1	229.5	193.9	199.9	216.2	216.2	196.9	183.6	185.1	186.5
60°	1456.8	752.1	223.6	179.1	183.6	205.8	208.8	191.0	179.1	180.6	179.1
62.5°	1587.1	826.1	211.7	161.4	170.3	192.5	199.9	183.6	173.2	176.2	176.2
65°	1784.0	953.4	186.5	146.6	156.9	180.6	191.0	176.2	164.3	173.2	170.3
67.5°	2100.8	1128.1	156.9	134.7	148.1	168.8	180.6	167.3	156.9	170.3	165.8
70°	2385.1	1214.0	134.7	124.4	134.7	155.5	168.8	158.4	148.1	161.4	155.5
72.5°	2269.6	952.0	117.0	112.5	122.9	140.6	156.9	146.6	136.2	143.6	137.7
75°	1958.7	758.0	102.2	100.7	109.6	127.3	143.6	136.2	125.8	128.8	125.8
77.5°	1484.9	626.3	87.3	85.9	93.3	114.0	128.8	122.9	112.5	111.0	111.0
80°	663.3	307.9	72.5	72.5	77.0	97.7	109.6	106.6	96.2	94.8	93.3
82.5°	217.6	117.0	59.2	56.3	62.2	81.4	97.7	94.8	84.4	81.4	78.5
85°	87.3	56.3	42.9	42.9	48.9	68.1	87.3	81.4	68.1	60.7	60.7
87.5°	29.6	23.7	22.2	22.2	31.1	45.9	65.1	54.8	48.9	42.9	44.4
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)