

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: P670632

Luminaire Tested: **CCP-SA-2A-722-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670632
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2A-722-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @350mA w/ T2
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4020.3 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

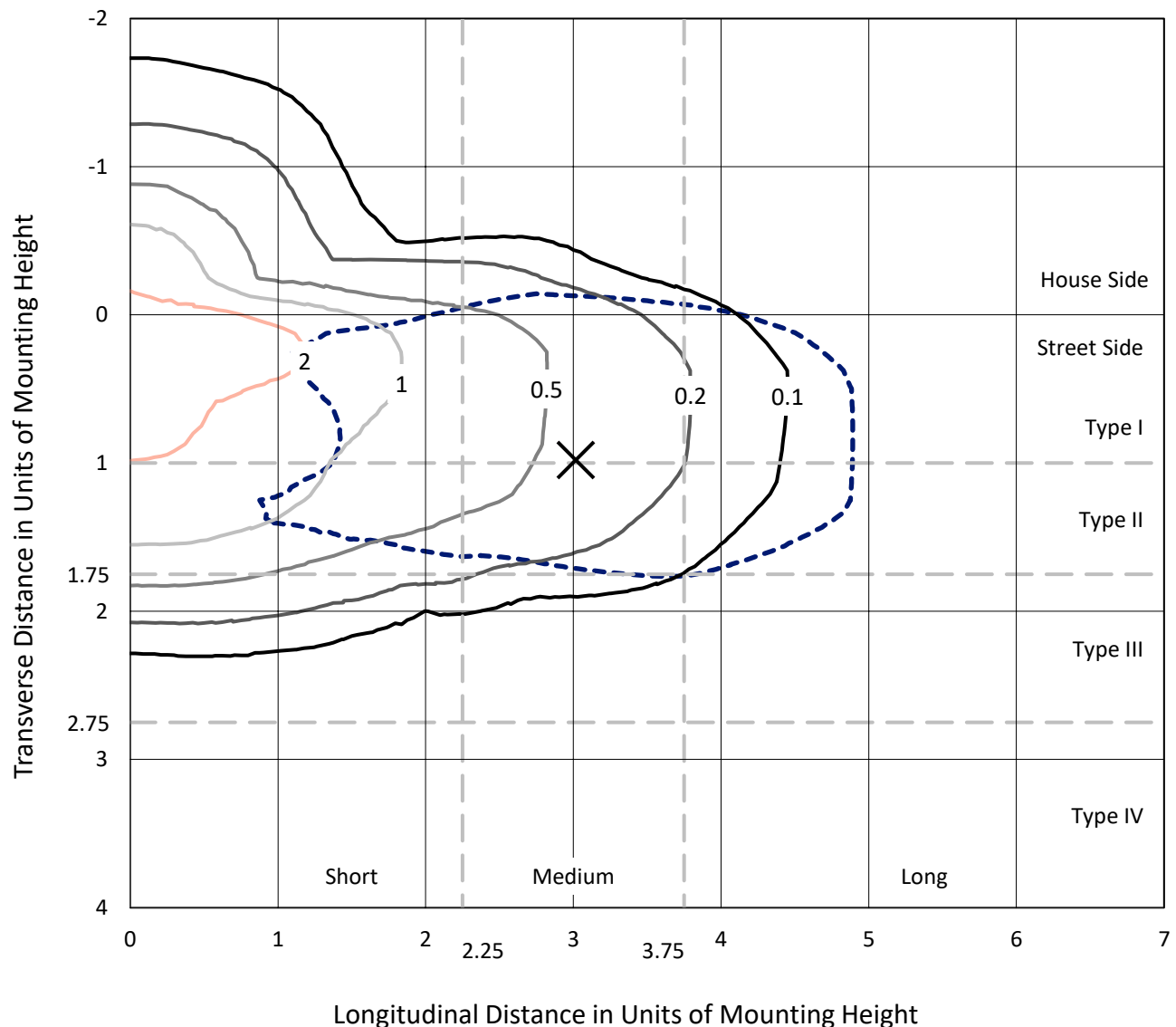
Input Watts (W): 36.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

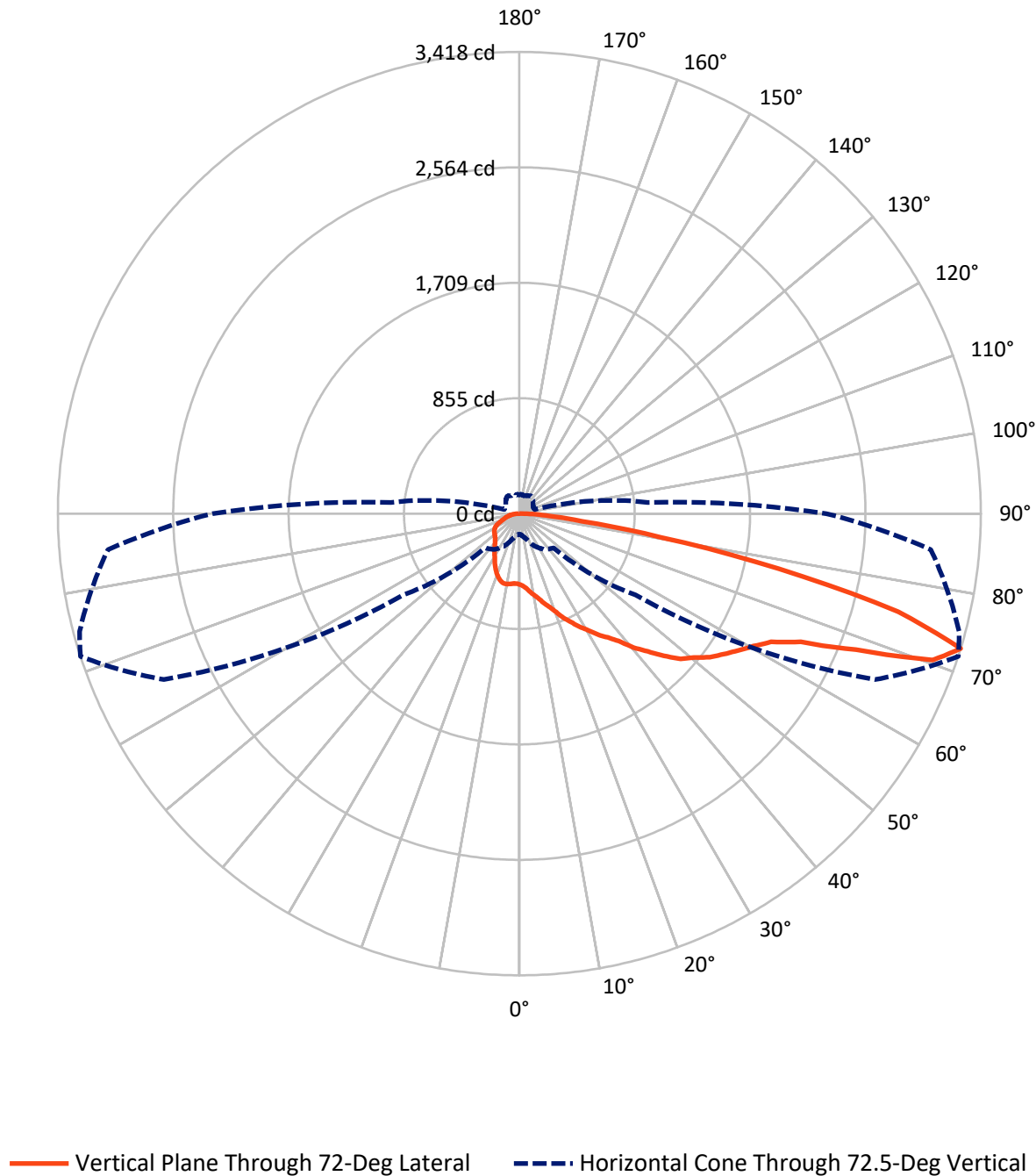
× Max cd
 - - - 1/2 Max cd



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	846.1	0.0	846.1
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	3174.2	0.0	3174.2
	% Fixture	79.0	0.0	79.0
Total	Lumens	4020.3	0.0	4020.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	1.3
10°-20°	161.3	4.0
20°-30°	279.2	6.9
30°-40°	412.4	10.3
40°-50°	613.2	15.3
50°-60°	840.7	20.9
60°-70°	911.9	22.7
70°-80°	642.9	16.0
80°-90°	106.8	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°	4020.3	100.0
0°-180°	4020.3	100.0

Coefficient of Utilization



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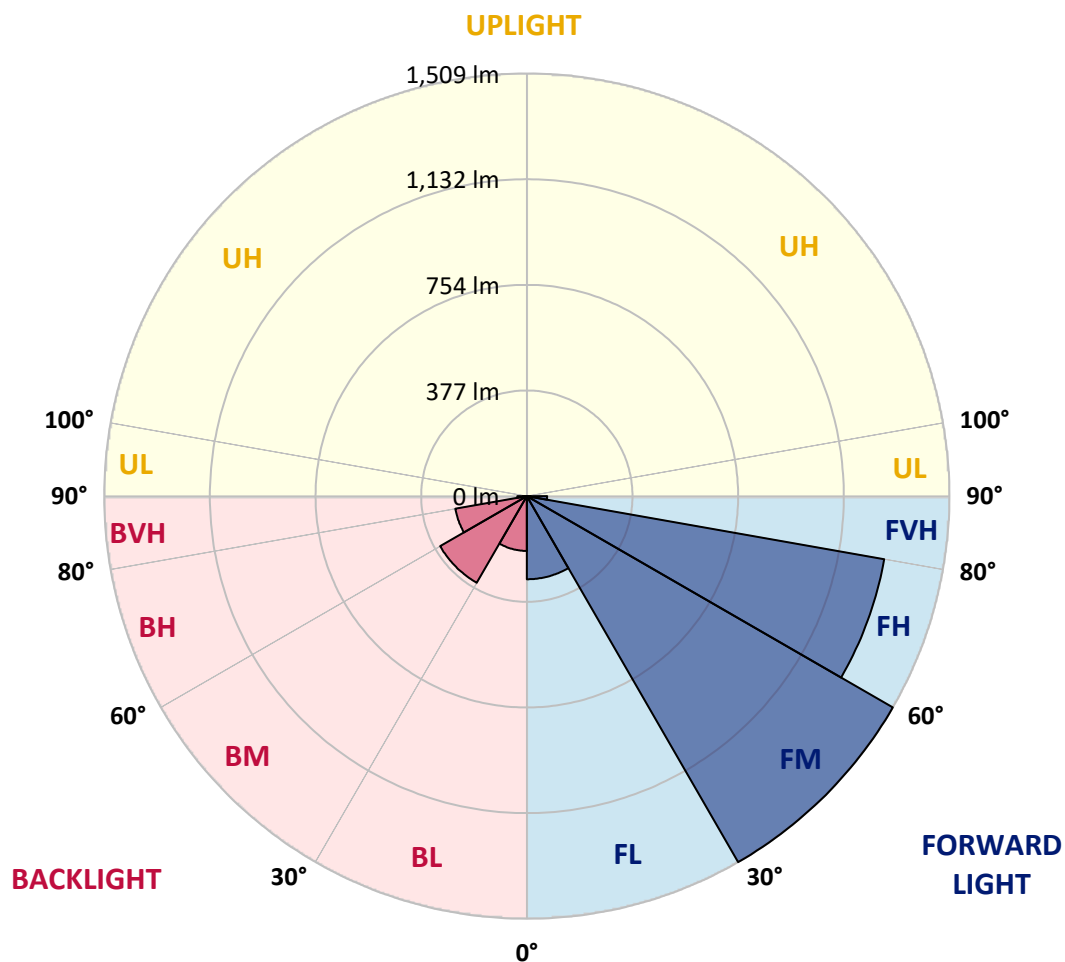
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.9	7.4			
FM	(30°-60°)	1508.9	37.5			
FH	(60°-80°)	1295.6	32.2			G1/1800
FVH	(80°-90°)	72.8	1.8			G1/100
BL	(0°-30°)	195.6	4.9	B1/500		
BM	(30°-60°)	357.4	8.9	B1/1000		
BH	(60°-80°)	259.2	6.4	B1/500		G1/500
BVH	(80°-90°)	34.0	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°	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2
2.5°	566.7	566.7	562.3	560.8	560.8	548.9	550.4	543.0	537.0	537.0	531.1
5°	596.4	593.4	593.4	593.4	586.0	581.5	580.1	566.7	556.3	557.8	540.0
7.5°	603.8	605.3	606.8	614.2	609.7	612.7	609.7	594.9	587.5	580.1	563.7
10°	608.2	611.2	611.2	621.6	621.6	629.0	633.5	627.5	614.2	606.8	580.1
12.5°	618.6	614.2	620.1	627.5	635.0	648.3	661.7	655.7	646.8	637.9	608.2
15°	618.6	620.1	624.6	636.4	648.3	661.7	685.4	694.3	689.8	673.5	642.4
17.5°	600.8	596.4	617.1	639.4	661.7	678.0	709.1	729.9	726.9	721.0	673.5
20°	602.3	606.8	614.2	633.5	669.1	698.7	737.3	771.4	778.9	775.9	715.1
22.5°	629.0	630.5	637.9	646.8	675.0	713.6	771.4	826.3	839.7	832.3	761.1
25°	655.7	667.6	667.6	673.5	683.9	724.0	793.7	870.8	890.1	891.6	808.5
27.5°	698.7	701.7	710.6	713.6	722.5	746.2	818.9	903.5	948.0	942.0	851.5
30°	749.2	750.7	756.6	753.6	755.1	784.8	842.6	940.6	1001.4	1002.9	897.5
32.5°	808.5	820.4	823.4	804.1	807.0	814.5	879.7	985.1	1068.1	1057.8	937.6
35°	896.1	900.5	891.6	882.7	860.4	856.0	918.3	1029.6	1126.0	1137.9	996.9
37.5°	1004.3	1016.2	1004.3	956.9	933.1	915.3	965.8	1078.5	1195.7	1235.8	1056.3
40°	1105.2	1103.7	1091.9	1048.9	1007.3	994.0	1034.0	1146.8	1304.0	1342.6	1142.3
42.5°	1186.8	1182.4	1175.0	1142.3	1103.7	1081.5	1112.6	1218.0	1394.5	1468.7	1241.7
45°	1258.0	1252.1	1253.6	1216.5	1179.4	1191.3	1191.3	1299.6	1501.3	1593.3	1355.9
47.5°	1324.8	1327.8	1323.3	1295.1	1266.9	1298.1	1281.8	1393.0	1606.7	1709.0	1452.4
50°	1401.9	1407.9	1393.0	1375.2	1350.0	1381.2	1360.4	1480.6	1674.9	1814.4	1568.1
52.5°	1474.6	1480.6	1493.9	1471.7	1446.4	1471.7	1424.2	1562.2	1765.4	1916.7	1657.1
55°	1492.4	1489.5	1563.6	1587.4	1600.7	1525.1	1480.6	1631.9	1836.6	1982.0	1758.0
57.5°	1410.8	1418.3	1519.1	1587.4	1729.8	1664.5	1544.4	1713.5	1910.8	2068.0	1851.4
60°	1207.6	1212.0	1338.1	1499.8	1707.5	1795.1	1716.4	1818.8	1992.4	2140.7	1956.8
62.5°	807.0	841.2	998.4	1252.1	1550.3	1830.7	1990.9	1996.8	2091.8	2232.7	2100.7
65°	425.8	442.1	565.2	770.0	1175.0	1707.5	2249.0	2349.9	2290.6	2401.8	2308.4
67.5°	278.9	284.8	351.6	467.3	678.0	1246.2	2278.7	2962.6	2689.6	2723.8	2640.7
70°	207.7	210.7	259.6	345.7	419.8	666.1	1867.8	3248.9	3247.4	3156.9	3035.3
72.5°	152.8	157.3	191.4	264.1	323.4	359.0	1050.3	2906.2	3418.1	3372.1	3059.0
75°	120.2	123.1	140.9	204.7	261.1	235.9	532.6	2152.6	2898.8	3119.9	2799.4
77.5°	97.9	100.9	111.3	148.4	209.2	182.5	255.2	1388.6	1965.7	2246.1	2142.2
80°	81.6	81.6	89.0	105.3	161.7	138.0	151.3	780.3	1059.2	1169.0	971.7
82.5°	69.7	68.2	74.2	77.1	120.2	99.4	97.9	353.1	465.8	494.0	364.9
85°	44.5	46.0	69.7	66.8	78.6	68.2	54.9	167.6	219.6	224.0	136.5
87.5°	17.8	17.8	29.7	37.1	44.5	41.5	26.7	75.7	96.4	96.4	38.6
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°	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2	525.2
2.5°	529.6	523.7	519.2	516.3	508.9	501.4	502.9	501.4	495.5	492.5	492.5
5°	535.6	529.6	522.2	510.3	502.9	494.0	497.0	491.0	485.1	489.6	482.1
7.5°	550.4	540.0	529.6	511.8	499.9	486.6	480.7	477.7	473.2	470.3	470.3
10°	571.2	556.3	537.0	510.3	491.0	470.3	467.3	461.4	456.9	456.9	455.4
12.5°	591.9	575.6	543.0	499.9	467.3	452.5	451.0	452.5	455.4	456.9	458.4
15°	618.6	591.9	541.5	480.7	448.0	442.1	449.5	455.4	461.4	467.3	465.8
17.5°	643.9	612.7	528.1	456.9	431.7	433.2	446.5	458.4	470.3	476.2	477.7
20°	678.0	632.0	508.9	428.7	415.4	428.7	446.5	461.4	474.7	482.1	483.6
22.5°	716.5	654.2	483.6	403.5	402.0	415.4	433.2	455.4	470.3	483.6	482.1
25°	750.7	669.1	451.0	382.8	385.7	394.6	415.4	439.1	454.0	468.8	464.3
27.5°	772.9	672.0	416.9	367.9	367.9	376.8	396.1	410.9	424.3	436.2	437.6
30°	798.1	666.1	378.3	348.6	348.6	360.5	367.9	376.8	384.2	387.2	390.2
32.5°	827.8	652.8	354.6	333.8	333.8	342.7	347.1	344.2	342.7	335.3	339.7
35°	856.0	633.5	327.9	314.5	320.4	324.9	323.4	314.5	305.6	292.3	287.8
37.5°	890.1	614.2	304.1	293.7	304.1	305.6	305.6	295.2	283.4	267.0	267.0
40°	942.0	599.3	284.8	280.4	290.8	289.3	281.9	274.5	278.9	270.0	270.0
42.5°	996.9	593.4	267.0	268.5	273.0	274.5	267.0	258.1	275.9	265.6	267.0
45°	1065.2	597.9	255.2	253.7	264.1	262.6	258.1	250.7	256.7	229.9	222.5
47.5°	1129.0	606.8	249.2	243.3	255.2	258.1	252.2	235.9	227.0	210.7	207.7
50°	1186.8	626.0	243.3	231.4	243.3	249.2	238.8	221.0	210.7	200.3	200.3
52.5°	1241.7	654.2	240.3	218.1	228.5	235.9	229.9	212.1	200.3	195.8	191.4
55°	1298.1	679.5	235.9	209.2	212.1	227.0	225.5	201.8	189.9	189.9	188.4
57.5°	1378.2	713.6	229.9	194.3	200.3	216.6	216.6	197.3	184.0	185.4	186.9
60°	1459.8	753.6	224.0	179.5	184.0	206.2	209.2	191.4	179.5	181.0	179.5
62.5°	1590.3	827.8	212.1	161.7	170.6	192.9	200.3	184.0	173.6	176.5	176.5
65°	1787.7	955.4	186.9	146.9	157.3	181.0	191.4	176.5	164.7	173.6	170.6
67.5°	2105.1	1130.4	157.3	135.0	148.4	169.1	181.0	167.6	157.3	170.6	166.2
70°	2390.0	1216.5	135.0	124.6	135.0	155.8	169.1	158.7	148.4	161.7	155.8
72.5°	2274.2	953.9	117.2	112.7	123.1	140.9	157.3	146.9	136.5	143.9	138.0
75°	1962.7	759.6	102.4	100.9	109.8	127.6	143.9	136.5	126.1	129.1	126.1
77.5°	1488.0	627.5	87.5	86.0	93.5	114.2	129.1	123.1	112.7	111.3	111.3
80°	664.6	308.6	72.7	72.7	77.1	97.9	109.8	106.8	96.4	94.9	93.5
82.5°	218.1	117.2	59.3	56.4	62.3	81.6	97.9	94.9	84.6	81.6	78.6
85°	87.5	56.4	43.0	43.0	49.0	68.2	87.5	81.6	68.2	60.8	60.8
87.5°	29.7	23.7	22.3	22.3	31.2	46.0	65.3	54.9	49.0	43.0	44.5
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)