

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: P671092

Luminaire Tested: **CCP-SA-1B-735-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671092
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1B-735-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @450mA w/ T4W
distribution lens
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3436.3 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G1

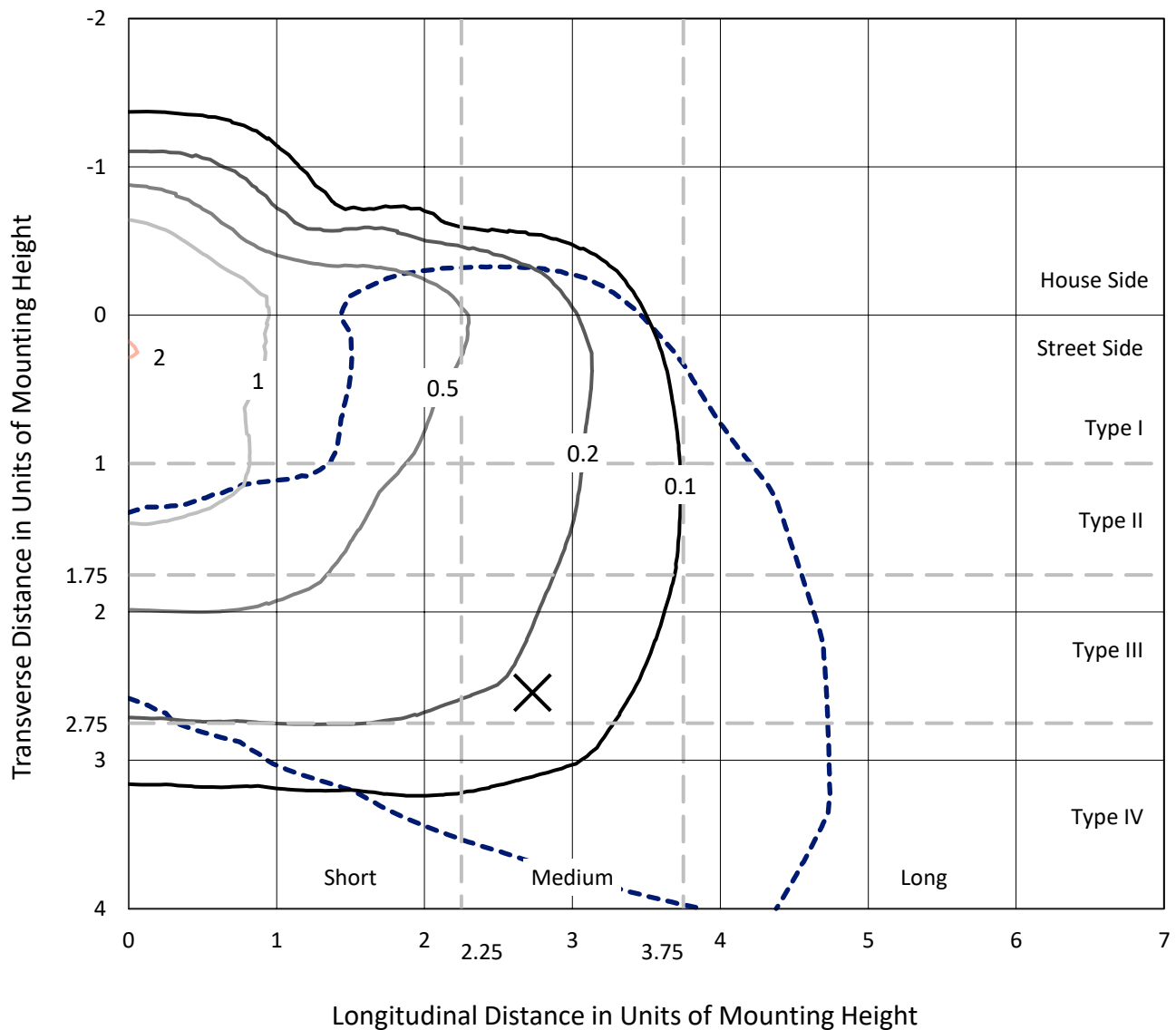
Input Watts (W): 24
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

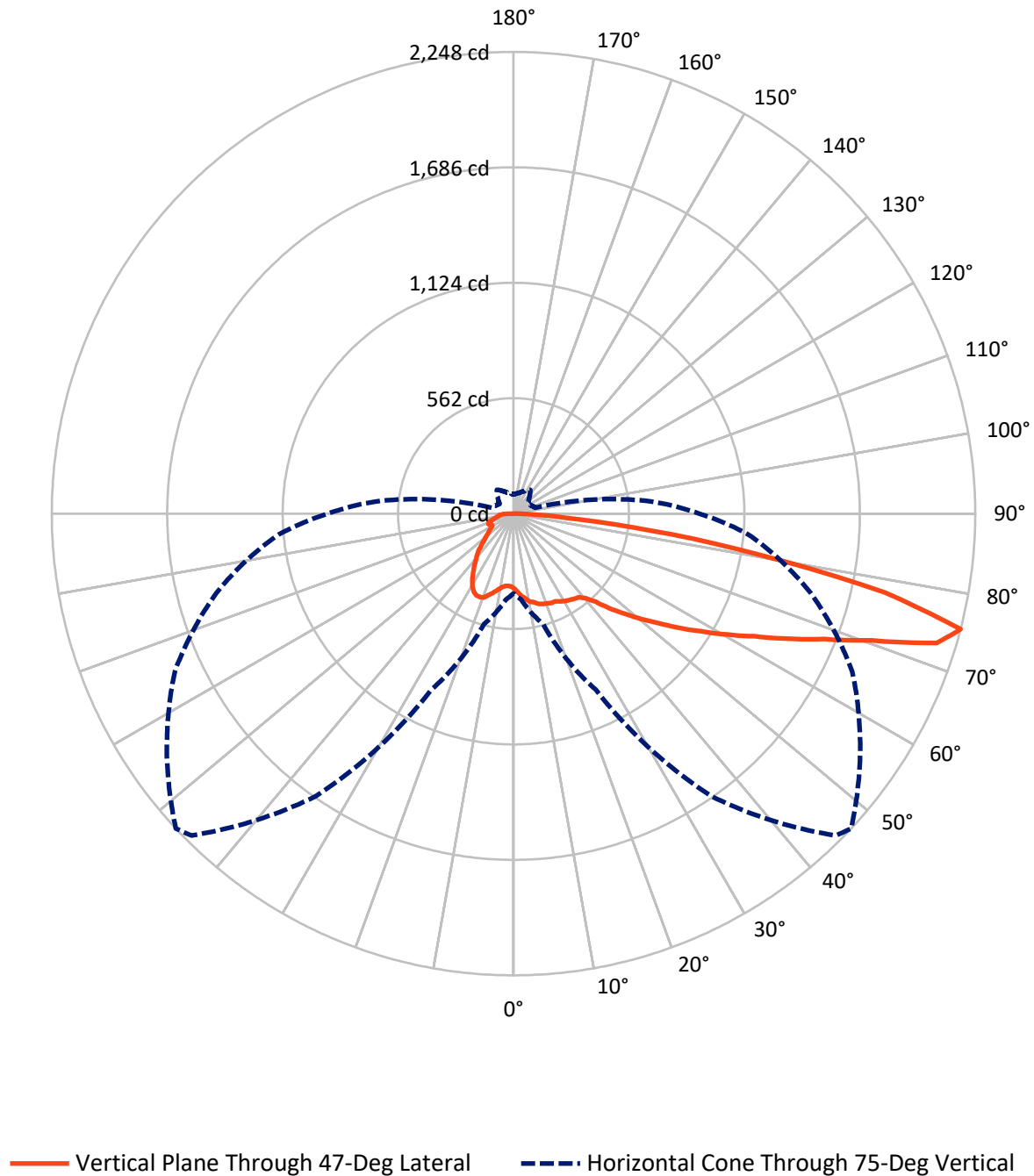
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.8	0.0	821.8
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	2614.6	0.0	2614.6
	% Fixture	76.1	0.0	76.1
Total	Lumens	3436.3	0.0	3436.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.9	1.1
10°-20°	122.5	3.6
20°-30°	209.8	6.1
30°-40°	293.6	8.5
40°-50°	409.3	11.9
50°-60°	611.8	17.8
60°-70°	882.1	25.7
70°-80°	750.8	21.8
80°-90°	119.6	3.5
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°	3436.3	100.0
0°-180°	3436.3	100.0



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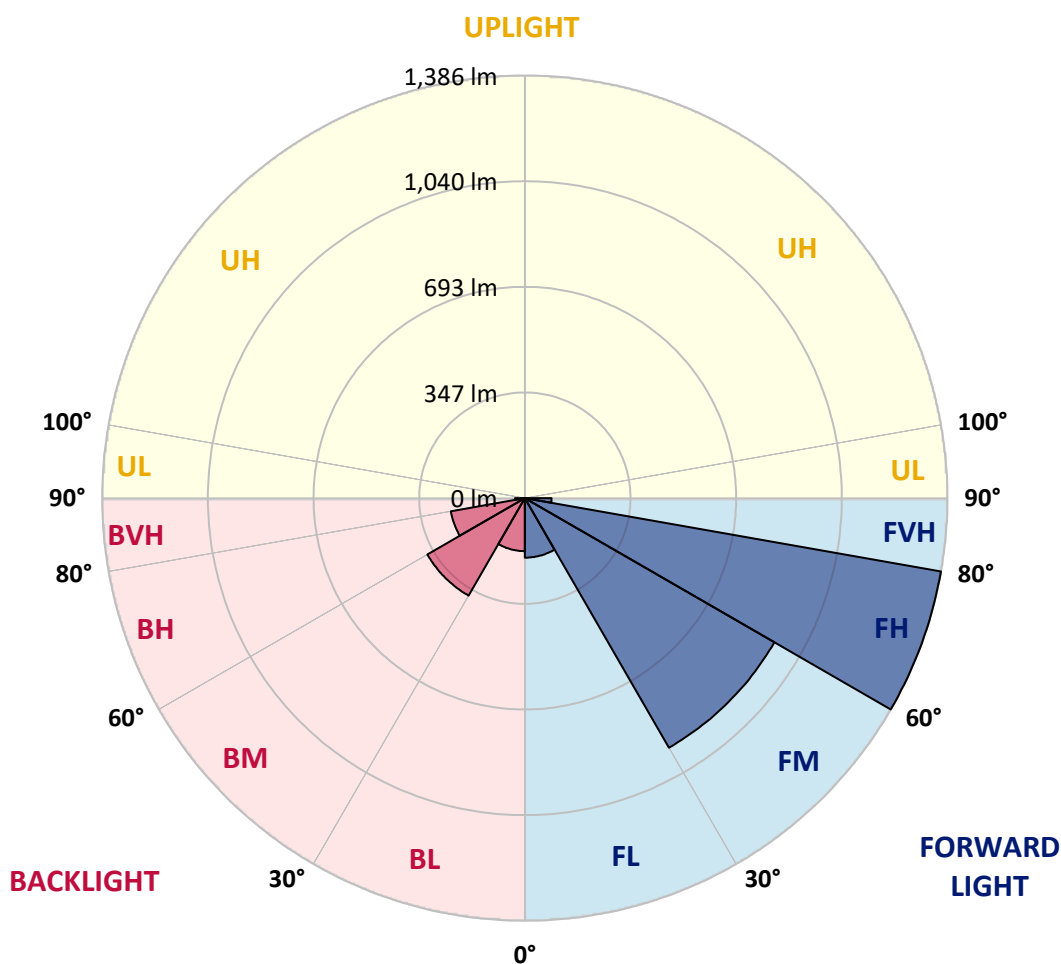
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.2	5.7			
FM	(30°-60°)	945.3	27.5			
FH	(60°-80°)	1386.4	40.3			G1/1800
FVH	(80°-90°)	87.6	2.6			G1/100
BL	(0°-30°)	173.9	5.1	B1/500		
BM	(30°-60°)	369.3	10.7	B1/1000		
BH	(60°-80°)	246.5	7.2	B1/500		G1/500
BVH	(80°-90°)	32.0	0.9			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9
2.5°	391.2	392.5	392.5	389.9	387.4	382.4	382.4	377.4	374.9	368.6	366.1
5°	427.6	423.8	420.0	418.8	412.5	403.7	402.5	397.5	383.7	377.4	368.6
7.5°	453.9	452.6	451.4	446.4	435.1	421.3	417.5	410.0	396.2	383.7	373.6
10°	475.2	480.2	475.2	463.9	452.6	437.6	436.3	422.5	410.0	395.0	382.4
12.5°	499.0	500.3	491.5	477.7	460.2	447.6	442.6	437.6	423.8	411.3	392.5
15°	515.3	512.8	506.6	487.7	467.7	455.1	456.4	450.1	435.1	426.3	406.2
17.5°	515.3	515.3	505.3	491.5	474.0	462.7	462.7	458.9	448.9	436.3	422.5
20°	505.3	505.3	499.0	491.5	471.4	468.9	466.4	463.9	463.9	452.6	432.6
22.5°	492.8	490.3	492.8	480.2	466.4	468.9	472.7	471.4	467.7	457.7	443.9
25°	480.2	481.5	484.0	475.2	462.7	474.0	472.7	479.0	476.5	468.9	457.7
27.5°	479.0	481.5	482.7	474.0	468.9	479.0	484.0	490.3	491.5	484.0	470.2
30°	497.8	496.5	495.3	484.0	480.2	489.0	494.0	502.8	510.3	494.0	482.7
32.5°	546.7	539.2	531.6	501.5	490.3	496.5	501.5	514.1	515.3	506.6	490.3
35°	624.4	619.4	594.3	541.7	510.3	504.0	509.1	517.8	520.3	514.1	501.5
37.5°	713.4	710.9	675.8	611.9	551.7	521.6	516.6	529.1	539.2	525.4	507.8
40°	801.2	791.2	766.1	703.4	604.4	547.9	541.7	547.9	551.7	541.7	530.4
42.5°	880.2	868.9	862.6	799.9	673.3	591.8	586.8	571.8	583.0	570.5	555.5
45°	946.6	944.1	941.6	887.7	752.3	663.3	659.5	620.7	633.2	623.2	601.8
47.5°	994.3	1005.6	1001.8	971.7	842.6	739.8	728.5	678.3	697.1	687.1	665.8
50°	1050.7	1057.0	1053.2	1033.2	926.6	827.5	806.2	754.8	776.1	774.9	763.6
52.5°	1100.9	1119.7	1098.4	1097.1	1047.0	922.8	886.5	837.6	872.7	886.5	885.2
55°	1159.8	1174.8	1168.6	1166.1	1154.8	1015.6	983.0	924.1	983.0	1003.1	1020.6
57.5°	1210.0	1208.7	1232.5	1261.4	1275.2	1122.2	1083.3	1014.4	1103.4	1125.9	1174.8
60°	1232.5	1253.8	1294.0	1366.7	1405.6	1236.3	1196.2	1141.0	1225.0	1242.6	1332.8
62.5°	1247.6	1266.4	1344.1	1467.0	1489.6	1352.9	1315.3	1260.1	1357.9	1370.4	1504.6
65°	1206.2	1223.7	1378.0	1504.6	1584.9	1478.3	1469.5	1411.8	1490.8	1498.3	1685.2
67.5°	1158.5	1177.4	1349.1	1552.3	1711.5	1645.0	1631.2	1562.3	1622.5	1613.7	1823.1
70°	1074.5	1099.6	1275.2	1593.6	1851.9	1878.3	1850.7	1752.9	1759.1	1676.4	1829.4
72.5°	818.8	835.1	998.1	1429.4	1917.1	2201.7	2154.1	1958.5	1887.0	1688.9	1614.9
75°	388.7	418.8	556.7	945.4	1680.1	2216.8	2248.1	2060.1	1819.3	1498.3	1144.8
77.5°	112.8	112.8	169.3	401.2	1053.2	1786.7	1845.7	1749.1	1500.8	1109.6	601.8
80°	61.4	65.2	89.0	141.7	462.7	1127.2	1212.5	1159.8	884.0	438.8	155.5
82.5°	35.1	36.4	58.9	85.3	210.6	613.1	663.3	601.8	336.0	132.9	72.7
85°	20.1	21.3	33.9	56.4	125.4	225.7	245.8	213.2	135.4	89.0	36.4
87.5°	10.0	10.0	16.3	26.3	63.9	63.9	62.7	76.5	81.5	53.9	16.3
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°	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9	364.9
2.5°	364.9	363.6	363.6	358.6	357.3	353.6	353.6	351.1	349.8	353.6	353.6
5°	366.1	359.9	358.6	353.6	354.8	352.3	357.3	354.8	353.6	353.6	352.3
7.5°	368.6	362.4	357.3	353.6	352.3	356.1	362.4	362.4	369.9	366.1	366.1
10°	374.9	371.1	364.9	362.4	362.4	366.1	373.6	378.7	384.9	384.9	381.2
12.5°	389.9	383.7	376.2	372.4	377.4	381.2	388.7	393.7	401.2	403.7	401.2
15°	401.2	395.0	392.5	389.9	393.7	398.7	405.0	410.0	418.8	421.3	420.0
17.5°	416.3	408.8	407.5	408.8	411.3	415.0	418.8	422.5	428.8	428.8	428.8
20°	423.8	421.3	420.0	423.8	428.8	433.8	431.3	428.8	427.6	430.1	428.8
22.5°	437.6	435.1	436.3	440.1	440.1	437.6	433.8	425.1	422.5	425.1	422.5
25°	450.1	447.6	447.6	445.1	443.9	435.1	427.6	420.0	411.3	415.0	413.8
27.5°	462.7	461.4	461.4	451.4	438.8	423.8	413.8	405.0	400.0	406.2	402.5
30°	477.7	479.0	472.7	448.9	418.8	402.5	391.2	389.9	388.7	392.5	391.2
32.5°	491.5	492.8	482.7	445.1	403.7	372.4	361.1	362.4	368.6	374.9	381.2
35°	499.0	505.3	492.8	432.6	373.6	338.5	326.0	337.3	348.6	357.3	363.6
37.5°	512.8	529.1	507.8	418.8	347.3	308.4	299.7	303.4	317.2	331.0	337.3
40°	532.9	551.7	511.6	392.5	312.2	278.4	273.3	274.6	279.6	288.4	294.7
42.5°	568.0	588.1	515.3	358.6	277.1	259.5	245.8	242.0	238.2	238.2	237.0
45°	619.4	638.2	510.3	316.0	242.0	229.5	219.4	210.6	200.6	184.3	186.8
47.5°	694.6	709.7	514.1	278.4	209.4	199.4	191.8	181.8	166.8	149.2	148.0
50°	808.7	786.2	509.1	239.5	185.6	176.8	170.5	156.7	139.2	126.6	125.4
52.5°	941.6	896.5	504.0	206.9	165.5	158.0	153.0	137.9	121.6	115.4	114.1
55°	1102.1	1036.9	511.6	178.0	150.5	144.2	139.2	125.4	112.8	107.8	106.6
57.5°	1291.5	1188.6	552.9	155.5	134.2	131.7	130.4	119.1	107.8	104.1	102.8
60°	1469.5	1334.1	580.5	139.2	119.1	121.6	124.1	119.1	106.6	104.1	104.1
62.5°	1618.7	1454.5	536.6	125.4	111.6	119.1	130.4	126.6	121.6	124.1	121.6
65°	1750.4	1495.8	401.2	117.9	107.8	125.4	144.2	142.9	131.7	134.2	132.9
67.5°	1772.9	1445.7	262.1	111.6	105.3	137.9	161.7	146.7	124.1	124.1	120.4
70°	1678.9	1311.5	175.5	105.3	104.1	137.9	165.5	137.9	116.6	116.6	111.6
72.5°	1378.0	1048.2	135.4	99.1	95.3	122.9	156.7	130.4	109.1	106.6	97.8
75°	905.3	675.8	110.3	94.0	82.8	107.8	141.7	120.4	104.1	96.5	92.8
77.5°	443.9	303.4	92.8	82.8	71.5	94.0	129.1	114.1	97.8	90.3	87.8
80°	121.6	109.1	77.7	72.7	60.2	81.5	121.6	109.1	91.5	84.0	80.2
82.5°	69.0	67.7	62.7	58.9	50.2	81.5	122.9	109.1	86.5	85.3	72.7
85°	37.6	40.1	45.1	43.9	38.9	72.7	116.6	95.3	70.2	58.9	58.9
87.5°	15.0	18.8	22.6	25.1	26.3	53.9	87.8	72.7	53.9	45.1	45.1
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)