

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: P553665

Luminaire Tested: **ARB-B3-LED-D1-T2-8030**

Issue Date: 7/12/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553665  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34669)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/12/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ARB-B3-LED-D1-T2-8030  
Description: ARBOR OUTDOOR ARCHITECTURAL POST TOP  
80 CRI, 3000K LEDS AND TYPE II OPTIC  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6149 lumens  
Efficiency: N/A  
Efficacy: 62.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3

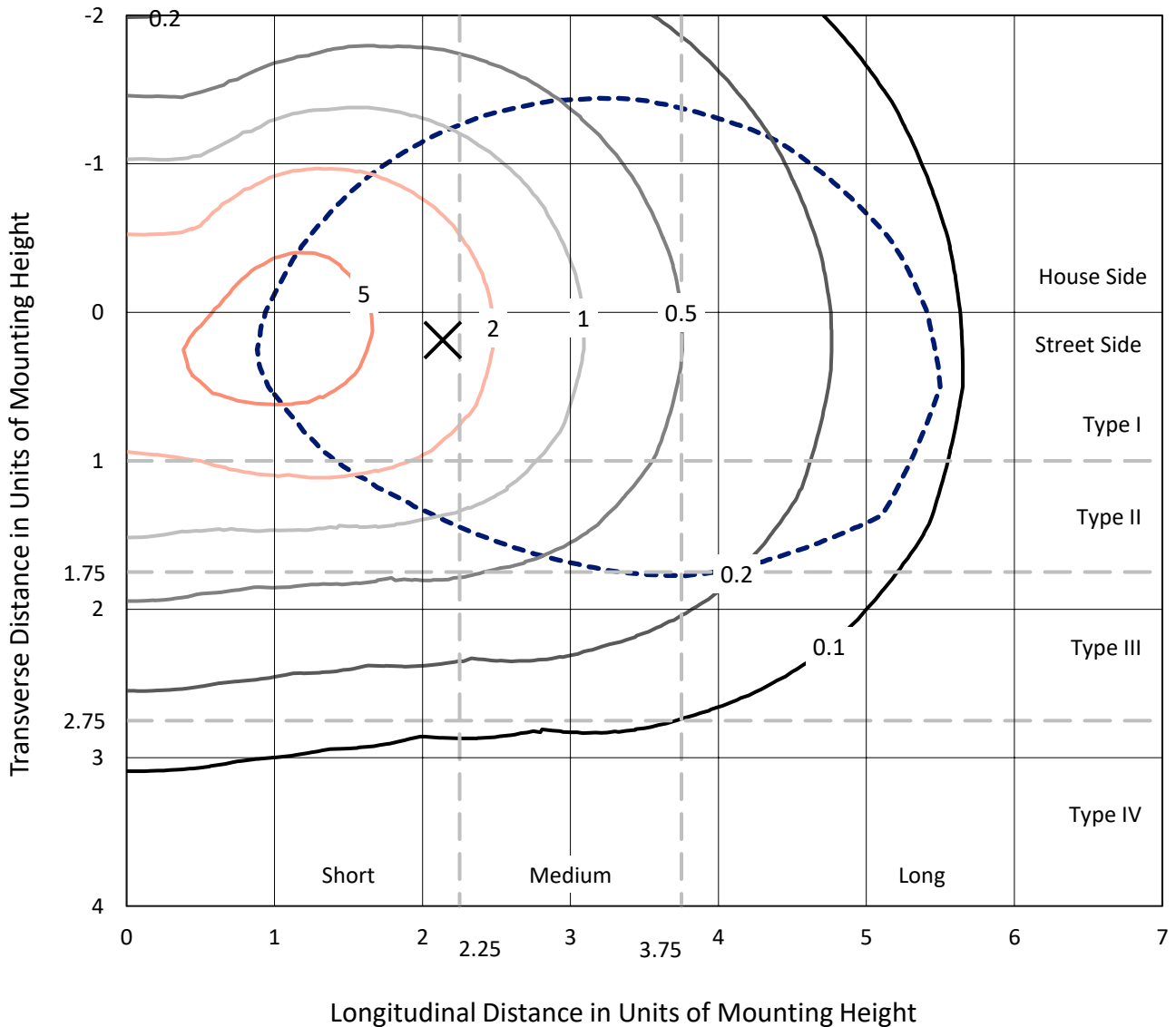
Input Watts (W): 99  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

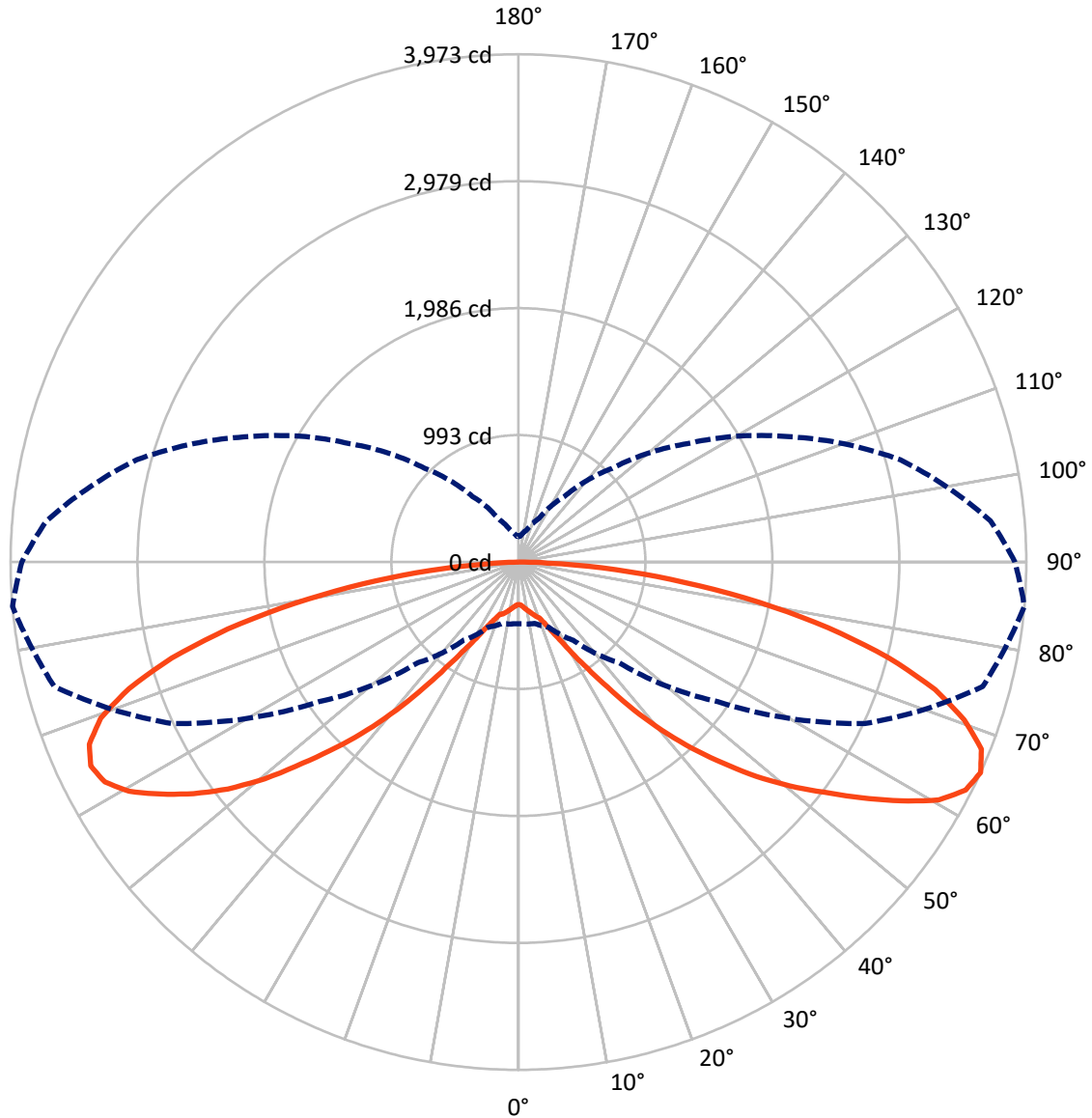
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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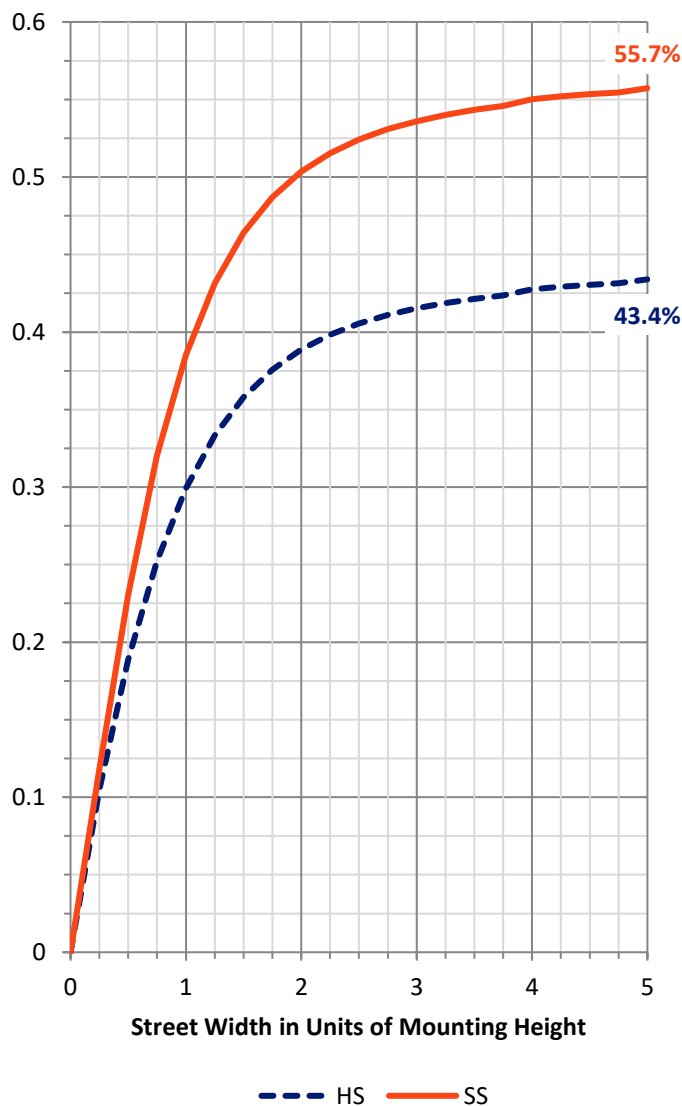
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2699.7	0.0	2699.7
	% Fixture	43.9	0.0	43.9
<b>Street Side</b>	Lumens	3449.3	0.0	3449.3
	% Fixture	56.1	0.0	56.1
<b>Total</b>	Lumens	6149.0	0.0	6149.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.6	0.5
10°-20°	110.8	1.8
20°-30°	224.2	3.6
30°-40°	448.3	7.3
40°-50°	832.4	13.5
50°-60°	1302.1	21.2
60°-70°	1586.1	25.8
70°-80°	1244.2	20.2
80°-90°	367.2	6.0
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°	6149.0	100.0
0°-180°	6149.0	100.0



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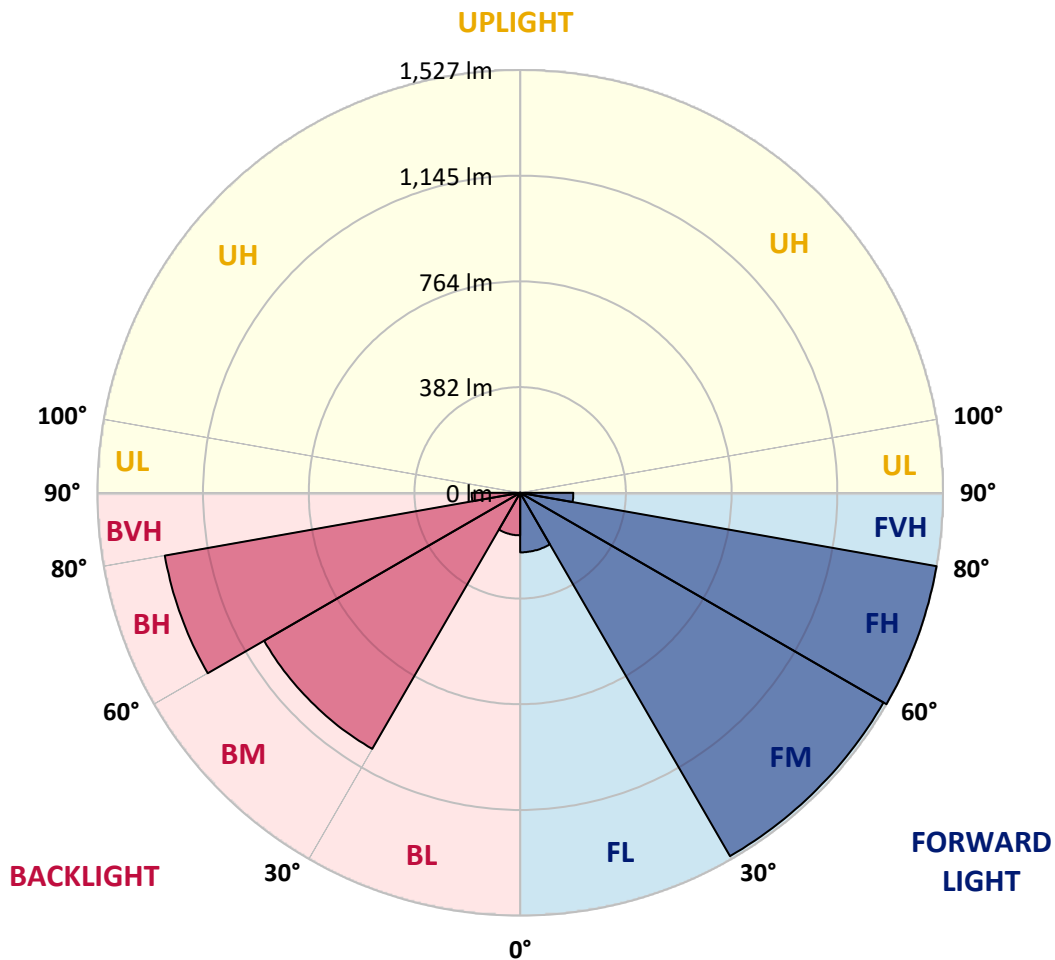
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	215.0	3.5			
FM (30°-60°)	1515.1	24.6			
FH (60°-80°)	1527.1	24.8			G1/1800
FVH (80°-90°)	192.0	3.1			G2/225
BL (0°-30°)	153.5	2.5	B1/500		
BM (30°-60°)	1067.7	17.4	B2/2500		
BH (60°-80°)	1303.3	21.2	B3/2500		G3/2500
BVH (80°-90°)	175.2	2.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5
2.5°	348.4	348.4	346.8	346.8	345.9	343.4	340.9	339.2	337.5	336.7	335.8
5°	363.6	362.8	363.6	362.8	361.9	360.2	357.7	355.2	351.8	349.3	347.6
7.5°	375.4	375.4	376.2	377.1	377.1	377.1	374.5	372.0	368.6	366.1	362.8
10°	380.4	381.3	383.8	387.2	390.5	394.7	393.9	391.4	388.0	383.0	379.6
12.5°	379.6	379.6	384.6	393.1	403.2	411.6	416.6	414.9	408.2	402.3	398.1
15°	384.6	386.3	391.4	403.2	419.1	432.6	441.0	443.6	434.3	423.4	418.3
17.5°	428.4	429.2	425.0	430.1	447.8	468.8	478.1	481.4	467.1	446.1	436.0
20°	452.8	453.7	457.9	465.4	479.7	510.9	531.1	529.4	505.0	466.3	452.0
22.5°	454.5	456.2	465.4	488.2	516.8	557.2	596.7	600.1	571.5	515.9	494.1
25°	454.5	456.2	467.1	496.6	547.9	605.2	673.3	688.5	656.5	590.8	555.5
27.5°	454.5	457.9	475.5	511.7	577.4	670.8	752.4	787.8	758.3	686.0	642.2
30°	457.0	460.4	486.5	537.8	617.8	737.3	856.0	918.3	896.4	819.8	761.7
32.5°	485.6	486.5	510.9	566.4	669.1	805.5	973.0	1061.3	1058.8	991.5	908.2
35°	511.7	515.1	538.7	603.5	711.2	874.5	1091.6	1224.6	1273.4	1199.4	1106.8
37.5°	515.9	520.1	555.5	634.6	752.4	947.7	1219.6	1404.7	1516.7	1467.9	1365.2
40°	519.3	525.2	563.1	647.2	784.4	1000.7	1335.7	1610.1	1753.2	1730.5	1634.5
42.5°	521.8	529.4	566.4	648.9	795.4	1036.9	1431.7	1791.9	1984.6	1990.5	1900.5
45°	508.4	516.8	559.7	646.4	793.7	1064.7	1515.0	1966.1	2202.6	2244.7	2185.0
47.5°	512.6	520.1	556.3	645.6	802.9	1097.5	1591.6	2120.1	2412.2	2504.8	2437.5
50°	548.8	551.3	572.3	661.5	840.0	1138.8	1666.5	2272.5	2610.8	2753.1	2710.2
52.5°	571.5	566.4	578.2	672.5	869.4	1185.1	1754.9	2428.2	2832.2	2991.3	2995.5
55°	607.7	606.0	602.6	684.3	888.0	1231.4	1855.0	2604.1	3086.4	3253.0	3252.2
57.5°	595.9	599.3	603.5	678.4	892.2	1253.2	1949.3	2778.3	3338.9	3526.6	3487.0
60°	558.9	563.9	576.5	652.3	866.9	1234.7	1983.8	2927.3	3550.1	3779.1	3702.5
62.5°	526.0	529.4	540.3	612.7	817.3	1185.9	1964.4	2998.0	3699.1	3926.4	3846.4
65°	482.3	485.6	497.4	562.2	746.6	1112.7	1902.2	2988.7	3759.7	3972.6	3884.3
67.5°	430.1	434.3	449.4	513.4	676.7	1034.4	1819.7	2900.4	3697.4	3906.2	3825.4
70°	382.1	385.5	397.3	454.5	603.5	944.3	1711.9	2749.7	3499.6	3699.9	3638.5
72.5°	334.1	335.8	345.1	398.9	527.7	842.5	1563.8	2511.5	3210.1	3408.7	3356.5
75°	286.2	283.6	292.9	335.8	439.3	726.4	1386.2	2210.2	2811.1	2990.4	2934.9
77.5°	234.0	233.1	241.6	271.9	353.5	606.0	1169.1	1836.5	2335.6	2477.9	2451.8
80°	181.8	182.6	184.3	207.9	269.3	475.5	914.9	1421.6	1824.7	1912.3	1858.4
82.5°	132.1	131.3	132.1	146.4	196.1	344.2	659.0	1026.0	1279.3	1304.6	1292.8
85°	80.0	80.0	79.1	85.0	119.5	195.3	366.1	575.7	707.8	765.9	723.0
87.5°	26.9	27.8	28.6	34.5	41.2	53.0	90.1	155.7	188.5	228.1	198.6
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5	332.5
2.5°	335.0	334.1	333.3	332.5	332.5	332.5	331.6	331.6	330.8	330.8
5°	346.8	342.6	338.3	335.0	332.5	329.1	327.4	324.9	324.0	324.0
7.5°	359.4	352.7	345.9	338.3	332.5	328.2	324.9	321.5	319.8	319.8
10°	374.5	365.3	354.3	345.9	337.5	329.1	322.4	317.3	313.9	313.9
12.5°	392.2	379.6	365.3	354.3	341.7	330.8	320.7	313.1	309.7	308.9
15°	409.0	390.5	373.7	359.4	344.2	330.8	319.8	312.3	307.2	307.2
17.5°	425.0	399.8	377.9	358.5	344.2	330.8	318.1	309.7	304.7	303.8
20°	433.5	398.9	370.3	348.4	339.2	327.4	312.3	303.0	298.8	297.9
22.5°	473.0	427.6	388.0	360.2	345.1	329.1	310.6	300.5	297.1	296.3
25°	526.0	465.4	414.1	377.9	353.5	331.6	310.6	297.9	292.9	292.1
27.5°	598.4	515.9	446.1	397.3	360.2	334.1	309.7	294.6	288.7	288.7
30°	701.1	577.4	484.0	420.0	368.6	335.8	307.2	291.2	285.3	284.5
32.5°	829.9	669.1	533.6	446.1	383.0	337.5	307.2	287.8	280.3	279.4
35°	1006.6	781.1	615.3	485.6	401.5	344.2	307.2	286.2	277.7	276.9
37.5°	1229.7	966.2	727.2	556.3	430.1	356.9	313.9	291.2	282.0	281.1
40°	1498.2	1172.4	858.5	638.0	484.0	379.6	329.9	303.8	292.9	292.1
42.5°	1770.0	1388.7	1000.7	739.8	552.1	410.7	340.9	308.9	297.1	295.4
45°	2032.6	1619.4	1176.6	857.7	614.4	440.2	342.6	309.7	297.9	296.3
47.5°	2306.2	1879.4	1380.3	978.9	680.1	464.6	347.6	308.0	296.3	294.6
50°	2610.0	2155.5	1562.1	1086.6	750.8	492.4	355.2	304.7	294.6	292.9
52.5°	2882.7	2408.8	1749.8	1210.3	825.7	531.1	361.9	297.1	288.7	288.7
55°	3119.2	2632.7	1917.3	1328.1	894.7	569.0	365.3	293.7	278.6	278.6
57.5°	3333.0	2806.9	2071.3	1424.9	956.1	595.9	380.4	286.2	265.1	266.8
60°	3534.1	2939.1	2196.7	1515.8	1000.7	619.5	388.0	275.2	247.4	249.1
62.5°	3663.8	3042.6	2283.4	1583.2	1029.4	631.2	387.2	269.3	229.8	229.8
65°	3705.8	3091.4	2321.3	1614.3	1036.9	627.0	374.5	262.6	207.9	198.6
67.5°	3646.1	3064.5	2306.2	1605.0	1016.7	606.8	356.9	251.7	181.8	176.7
70°	3487.8	2930.7	2225.4	1554.5	967.9	566.4	333.3	225.6	165.0	152.3
72.5°	3202.5	2711.8	2069.6	1452.7	897.2	515.1	305.5	196.9	151.5	146.4
75°	2814.5	2370.1	1844.9	1295.3	798.7	457.0	269.3	167.5	138.9	140.6
77.5°	2333.9	1977.1	1541.9	1102.6	686.8	384.6	228.9	138.0	124.6	132.1
80°	1779.3	1531.8	1191.8	872.8	556.3	306.4	185.2	111.9	106.9	110.3
82.5°	1229.7	1062.2	843.3	614.4	400.6	232.3	136.3	88.4	83.3	81.6
85°	698.6	581.6	470.5	354.3	239.0	143.1	92.6	64.8	58.9	58.9
87.5°	190.2	171.7	137.2	103.5	76.6	56.4	45.4	35.3	32.0	31.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)