

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: P553731

Luminaire Tested: **LXS-VA2-740-U-ASC-A**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553731  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA2-740-U-ASC-A  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE II OPTIC, ARM MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4040 lumens  
Efficiency: N/A  
Efficacy: 84.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G2

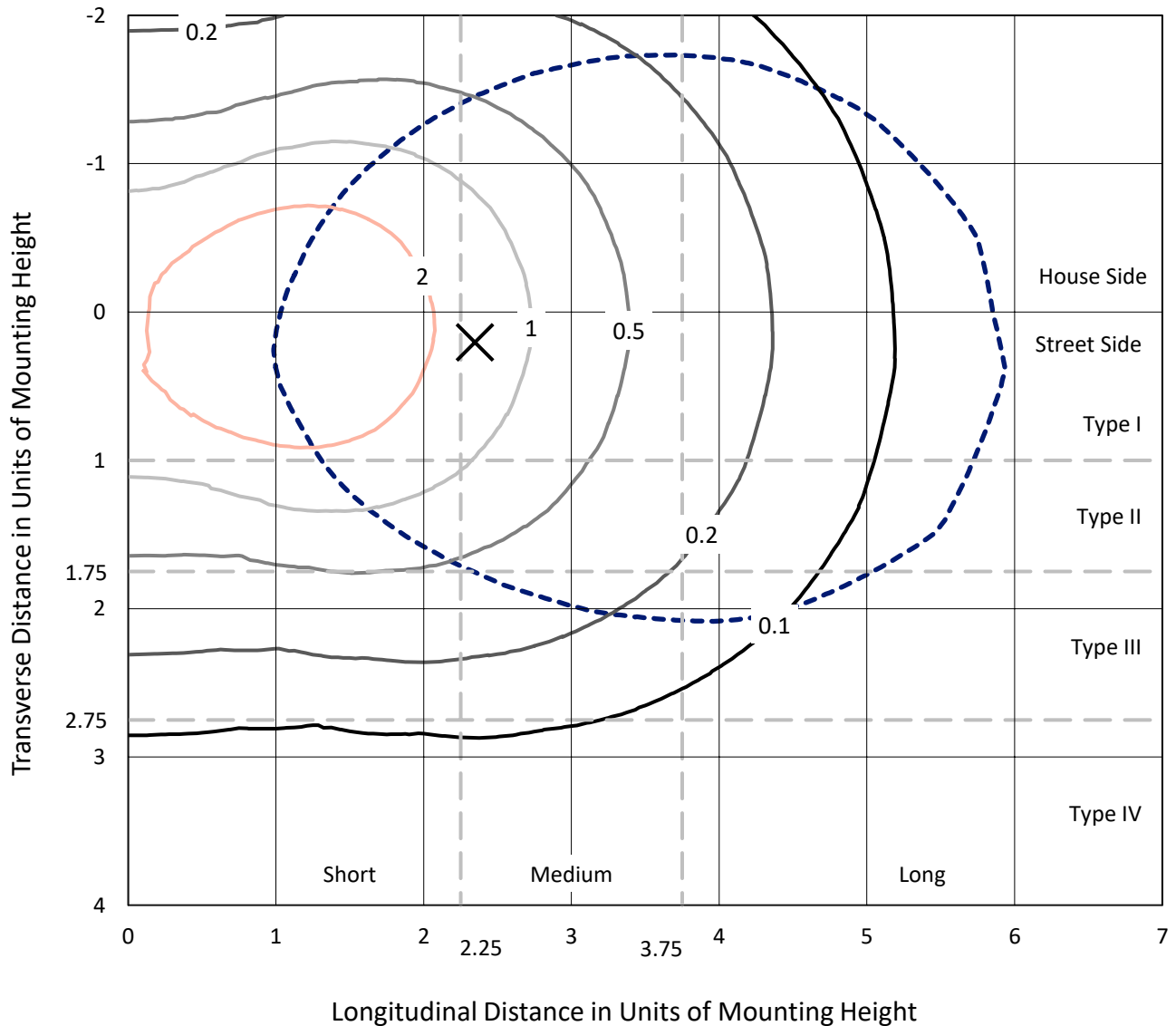
Input Watts (W): 48  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

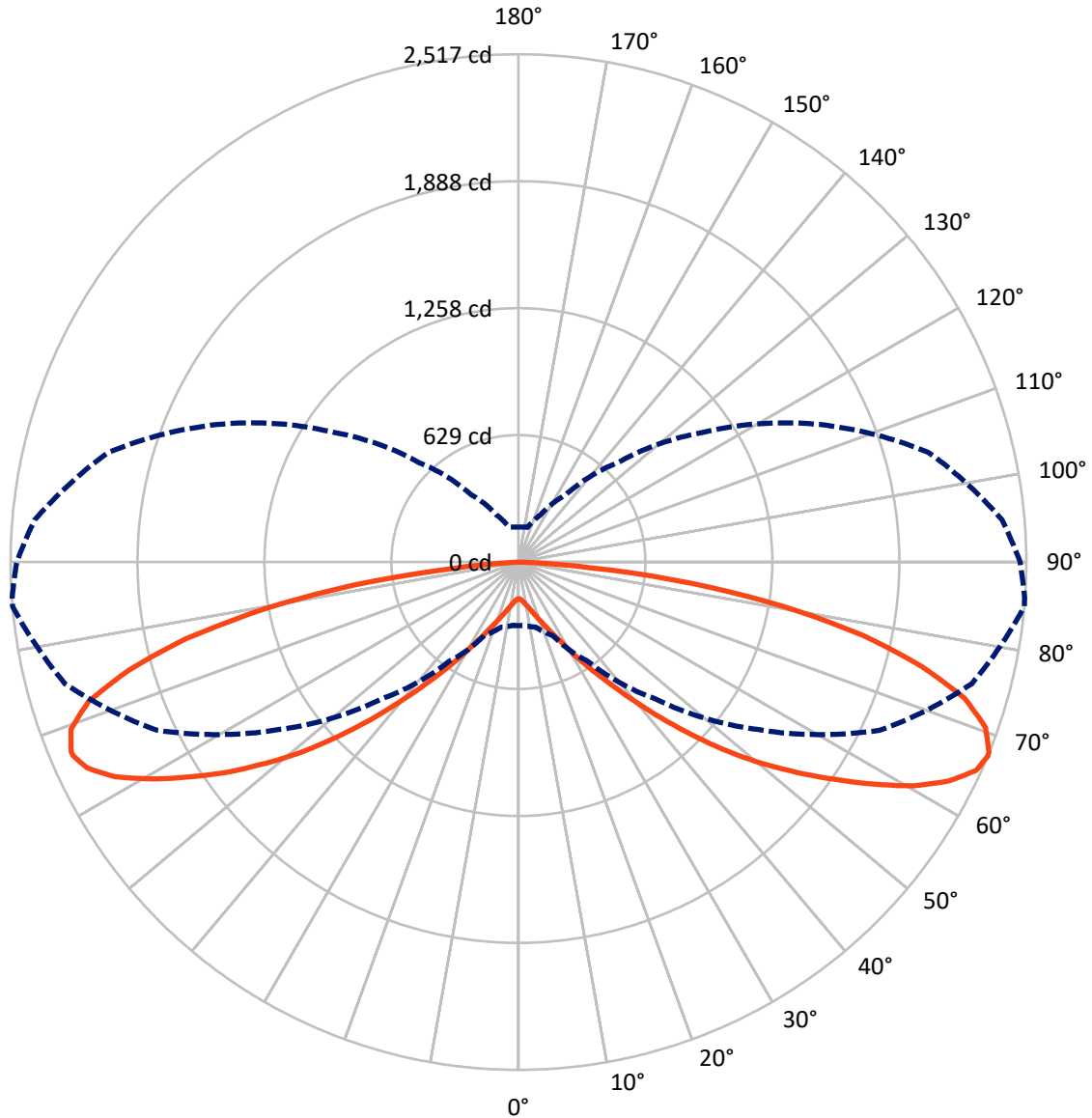
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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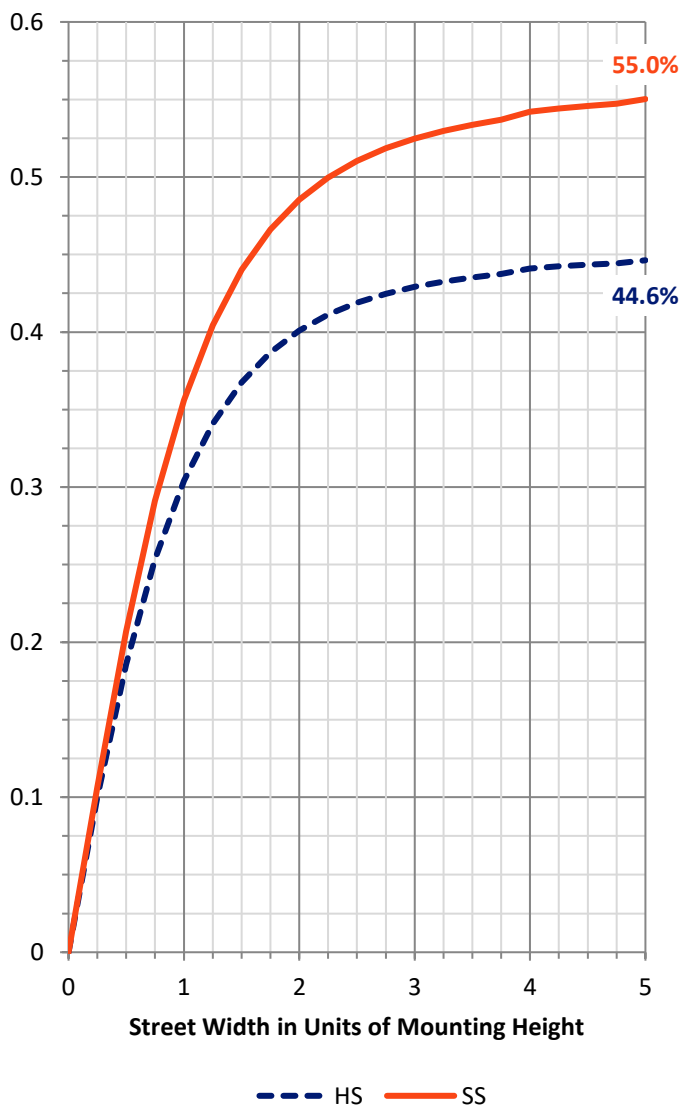
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1807.9	0.0	1807.9
	% Fixture	44.8	0.0	44.8
<b>Street Side</b>	Lumens	2232.1	0.0	2232.1
	% Fixture	55.2	0.0	55.2
<b>Total</b>	Lumens	4040.0	0.0	4040.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	18.6	0.5
10°-20°	66.0	1.6
20°-30°	144.1	3.6
30°-40°	283.7	7.0
40°-50°	513.1	12.7
50°-60°	819.4	20.3
60°-70°	1075.4	26.6
70°-80°	908.0	22.5
80°-90°	211.7	5.2
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°	4040.0	100.0
0°-180°	4040.0	100.0

**Coefficient of Utilization**



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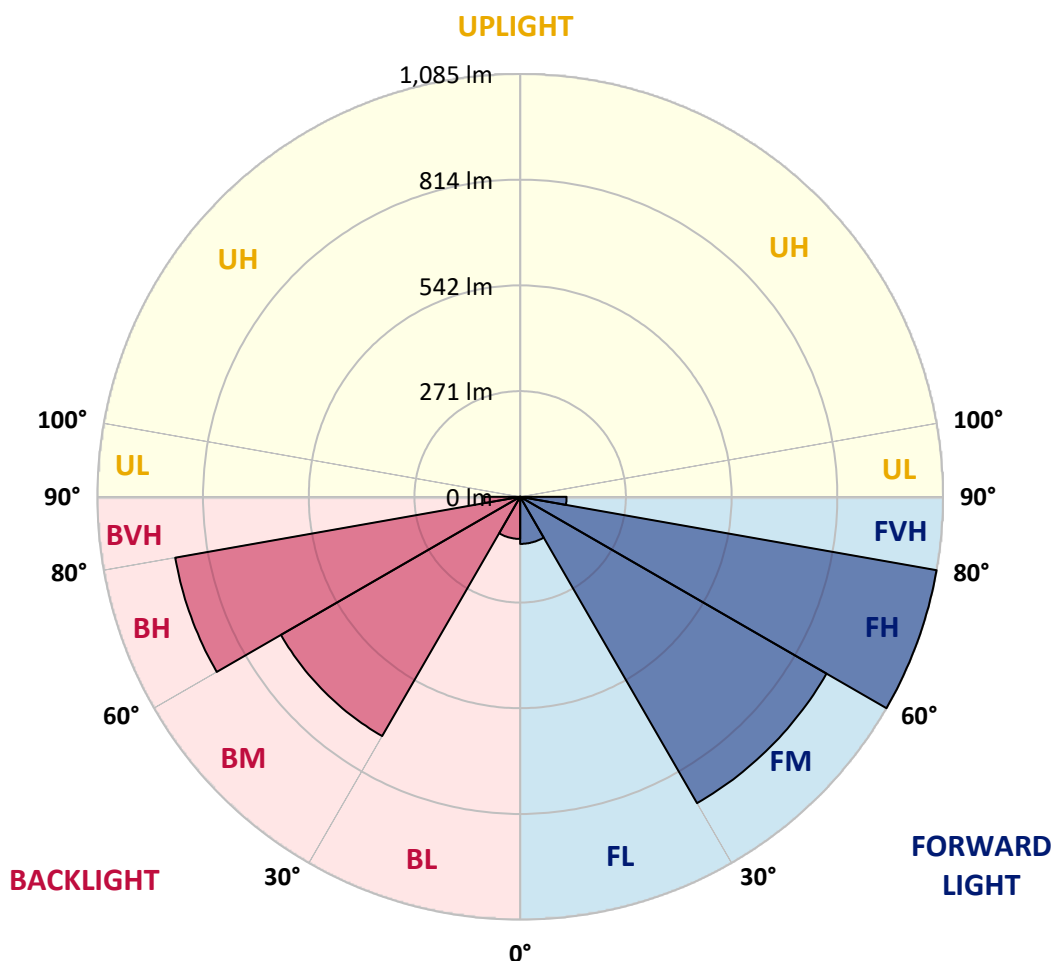
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.8	3.0			
FM (30°-60°)	907.5	22.5			
FH (60°-80°)	1084.8	26.9			G1/1800
FVH (80°-90°)	119.1	2.9			G2/225
BL (0°-30°)	108.0	2.7	B0/110		
BM (30°-60°)	708.7	17.5	B1/1000		
BH (60°-80°)	898.6	22.2	B2/1000		G2/1000
BVH (80°-90°)	92.5	2.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4
2.5°	184.3	184.3	184.3	184.3	184.3	184.3	184.3	184.3	184.3	184.3	184.3
5°	188.1	188.1	188.1	190.0	190.0	192.0	192.0	192.0	192.0	192.0	192.0
7.5°	190.0	190.0	192.0	193.9	197.7	199.6	201.6	201.6	201.6	203.5	203.5
10°	192.0	192.0	193.9	197.7	203.5	209.2	213.1	215.0	216.9	216.9	216.9
12.5°	197.7	197.7	199.6	203.5	211.2	218.8	226.5	232.3	234.2	234.2	234.2
15°	207.3	207.3	209.2	215.0	222.7	232.3	241.9	251.5	255.3	255.3	255.3
17.5°	220.8	220.8	222.7	228.4	238.0	251.5	263.0	274.5	280.3	280.3	280.3
20°	238.0	238.0	240.0	247.6	257.2	272.6	289.9	303.3	312.9	311.0	311.0
22.5°	247.6	247.6	253.4	264.9	278.4	295.6	322.5	339.8	351.3	347.5	345.5
25°	255.3	255.3	261.1	276.4	301.4	324.4	360.9	383.9	397.4	391.6	389.7
27.5°	264.9	266.8	274.5	289.9	320.6	359.0	399.3	439.6	451.1	445.4	443.4
30°	274.5	274.5	286.0	309.1	343.6	395.5	449.2	514.5	526.0	518.3	510.6
32.5°	289.9	289.9	299.5	326.3	374.3	433.8	514.5	583.6	604.7	600.9	597.0
35°	312.9	312.9	322.5	347.5	405.1	479.9	585.5	664.2	702.6	691.1	689.2
37.5°	320.6	322.5	335.9	370.5	431.9	537.5	658.5	758.3	813.9	800.5	794.7
40°	326.3	328.3	341.7	383.9	460.7	587.4	731.4	867.7	934.9	929.1	917.6
42.5°	330.2	332.1	347.5	391.6	489.5	629.7	808.2	986.7	1075.0	1078.9	1071.2
45°	330.2	332.1	353.2	401.2	510.6	673.8	886.9	1107.7	1228.6	1238.2	1228.6
47.5°	330.2	332.1	353.2	410.8	527.9	719.9	967.5	1217.1	1376.4	1405.2	1391.8
50°	341.7	343.6	362.8	420.4	556.7	773.6	1050.1	1330.3	1522.3	1570.3	1558.8
52.5°	341.7	345.5	366.7	430.0	583.6	823.5	1130.7	1449.4	1666.3	1733.5	1714.3
55°	355.1	357.1	374.3	443.4	606.6	871.5	1215.2	1566.5	1827.5	1900.5	1890.9
57.5°	359.0	360.9	380.1	449.2	625.8	925.3	1309.2	1689.3	1994.5	2077.1	2063.7
60°	351.3	353.2	376.3	445.4	639.3	967.5	1391.8	1812.2	2130.8	2251.8	2238.3
62.5°	341.7	343.6	364.7	437.7	637.3	982.9	1445.5	1908.2	2232.6	2391.9	2378.5
65°	330.2	330.2	349.4	422.3	620.1	977.1	1460.9	1967.7	2303.6	2491.7	2484.1
67°	314.8	314.8	334.0	401.2	600.9	957.9	1447.4	1973.4	2326.7	2516.7	2514.8
67.5°	309.1	311.0	328.3	397.4	595.1	950.2	1441.7	1969.6	2328.6	2514.8	2514.8
70°	284.1	286.0	301.4	364.7	558.6	902.2	1380.3	1910.1	2282.5	2455.3	2461.0
72.5°	255.3	255.3	268.8	326.3	504.9	833.1	1288.1	1787.2	2152.0	2313.2	2319.0
75°	220.8	220.8	232.3	282.2	437.7	733.3	1151.8	1601.0	1935.0	2063.7	2082.9
77.5°	182.4	184.3	190.0	230.4	359.0	610.5	967.5	1351.5	1635.6	1743.1	1752.7
80°	138.2	140.1	144.0	170.9	270.7	458.8	739.1	1040.5	1257.4	1332.3	1341.9
82.5°	90.2	92.1	94.1	107.5	172.8	297.6	478.0	683.4	829.3	863.9	873.5
85°	38.4	38.4	40.3	46.1	72.9	120.9	197.7	280.3	347.5	357.1	357.1
87.5°	1.9	1.9	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0
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°	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4	182.4
2.5°	184.3	184.3	186.2	186.2	186.2	186.2	186.2	186.2	186.2	186.2	186.2
5°	192.0	192.0	192.0	192.0	192.0	190.0	188.1	188.1	186.2	186.2	186.2
7.5°	203.5	203.5	201.6	199.6	195.8	193.9	192.0	192.0	190.0	190.0	190.0
10°	216.9	216.9	215.0	209.2	205.4	203.5	199.6	195.8	193.9	192.0	192.0
12.5°	234.2	234.2	230.4	222.7	218.8	213.1	205.4	199.6	195.8	193.9	193.9
15°	255.3	255.3	247.6	240.0	232.3	220.8	211.2	205.4	199.6	197.7	197.7
17.5°	280.3	278.4	268.8	261.1	247.6	232.3	220.8	213.1	205.4	201.6	199.6
20°	309.1	307.1	293.7	282.2	263.0	245.7	230.4	216.9	205.4	201.6	201.6
22.5°	341.7	339.8	324.4	307.1	280.3	261.1	238.0	220.8	209.2	205.4	205.4
25°	383.9	380.1	357.1	334.0	303.3	276.4	247.6	228.4	215.0	207.3	205.4
27.5°	435.8	430.0	399.3	368.6	330.2	289.9	257.2	232.3	215.0	207.3	205.4
30°	501.0	491.4	451.1	405.1	359.0	309.1	270.7	236.1	218.8	211.2	209.2
32.5°	579.7	566.3	514.5	449.2	389.7	332.1	278.4	243.8	222.7	211.2	211.2
35°	670.0	650.8	585.5	504.9	424.2	355.1	291.8	249.6	222.7	211.2	209.2
37.5°	773.6	748.7	668.0	570.1	466.5	376.3	305.2	253.4	224.6	215.0	213.1
40°	896.5	863.9	760.2	643.1	518.3	403.1	318.7	261.1	230.4	216.9	215.0
42.5°	1040.5	1000.2	865.8	721.8	574.0	435.8	332.1	268.8	230.4	215.0	215.0
45°	1196.0	1149.9	982.9	806.3	631.6	470.3	347.5	272.6	232.3	218.8	216.9
47.5°	1361.1	1311.1	1113.4	898.4	689.2	501.0	364.7	276.4	236.1	218.8	216.9
50°	1530.0	1476.2	1253.6	1000.2	752.5	535.6	376.3	282.2	234.2	216.9	215.0
52.5°	1700.8	1633.6	1411.0	1117.3	825.5	572.1	387.8	286.0	234.2	216.9	215.0
55°	1875.5	1800.7	1568.4	1228.6	898.4	612.4	403.1	286.0	234.2	215.0	213.1
57.5°	2044.5	1956.2	1718.1	1345.7	967.5	645.0	414.7	288.0	230.4	209.2	207.3
60°	2207.6	2117.4	1860.2	1453.2	1027.0	668.0	418.5	286.0	224.6	205.4	203.5
62.5°	2351.6	2265.2	1977.3	1539.6	1075.0	689.2	418.5	278.4	215.0	197.7	195.8
65°	2451.4	2368.9	2067.5	1599.1	1109.6	700.7	414.7	268.8	199.6	186.2	184.3
67°	2486.0	2405.4	2102.1	1618.3	1121.1	698.8	407.0	257.2	178.5	174.7	172.8
67.5°	2487.9	2407.3	2104.0	1620.2	1121.1	696.8	403.1	255.3	170.9	170.9	170.9
70°	2443.8	2367.0	2075.2	1595.3	1098.1	670.0	378.2	238.0	144.0	151.7	155.5
72.5°	2305.5	2240.3	1963.8	1514.6	1034.7	623.9	345.5	209.2	120.9	134.4	138.2
75°	2063.7	2002.2	1752.7	1361.1	927.2	554.8	303.3	170.9	96.0	115.2	117.1
77.5°	1727.7	1689.3	1476.2	1155.6	775.6	460.7	245.7	124.8	74.9	92.1	96.0
80°	1311.1	1284.3	1121.1	883.1	581.7	341.7	167.0	78.7	55.7	69.1	71.0
82.5°	838.9	825.5	718.0	562.5	347.5	195.8	82.5	36.5	30.7	42.2	44.2
85°	330.2	312.9	264.9	197.7	113.3	53.8	17.3	9.6	11.5	7.7	5.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)