

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: P553769

Luminaire Tested: **LXS-VA3-740-U-ASC-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553769  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-15-R2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA3-740-U-ASC-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 4000K LEDS AND TYPE II OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6642 lumens  
Efficiency: N/A  
Efficacy: 67.1 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - 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: 28.75 FT

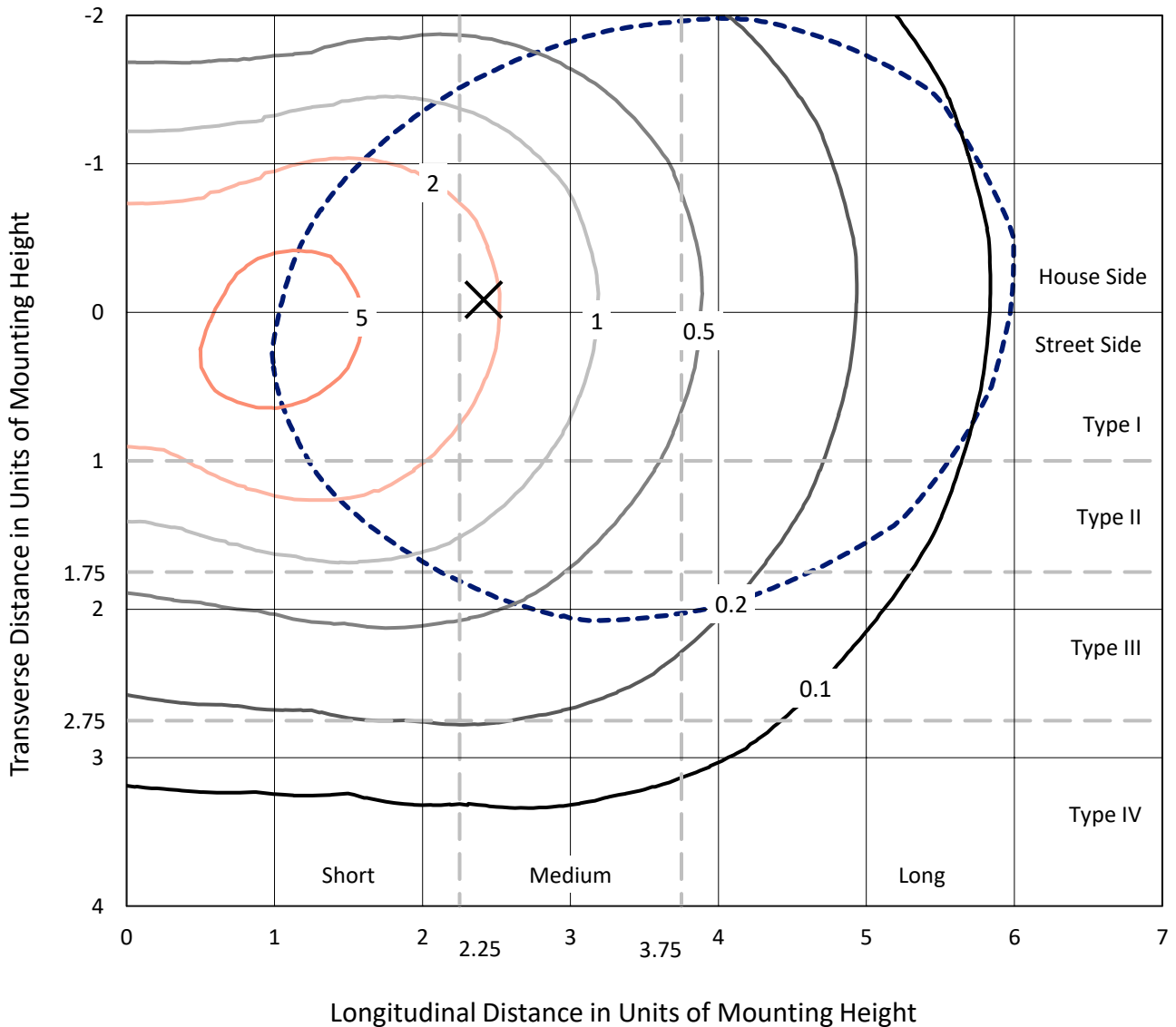


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### Iso-Footcandle Lines of Horizontal Illumination

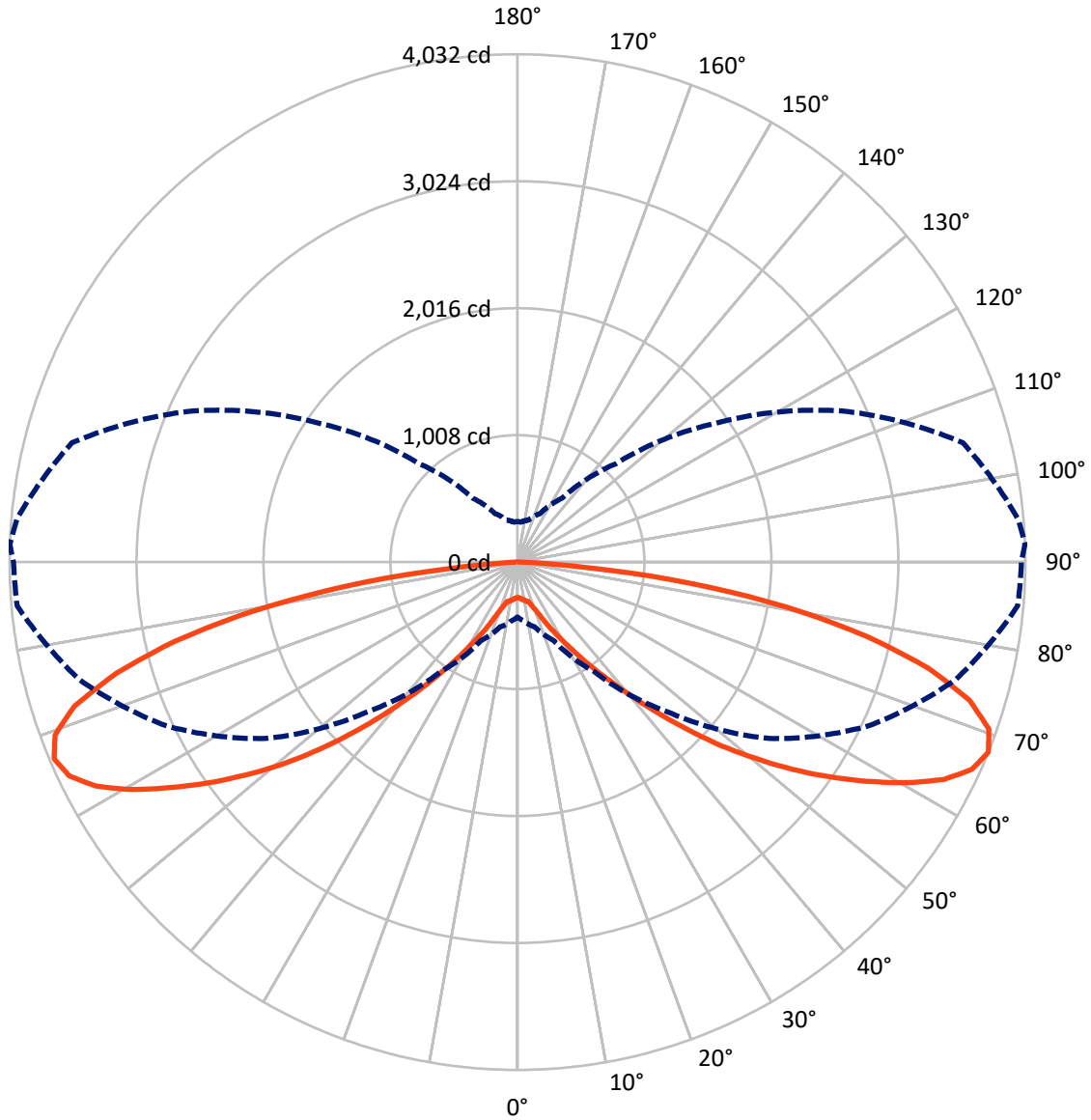
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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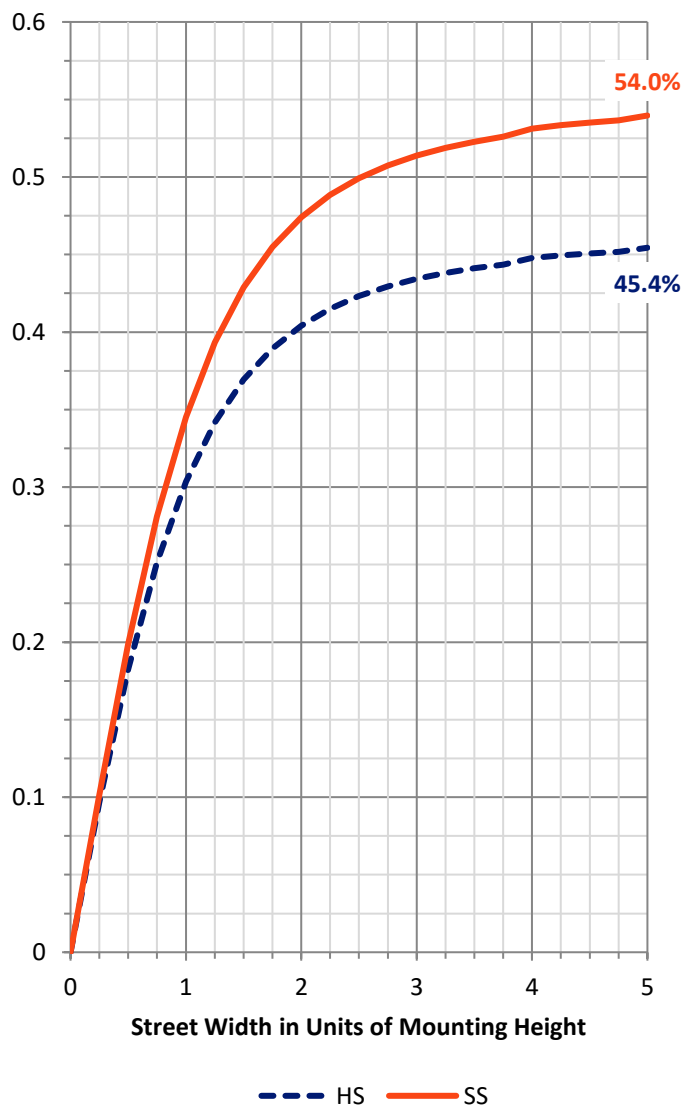
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3038.7	0.0	3038.7
	% Fixture	45.7	0.0	45.7
<b>Street Side</b>	Lumens	3603.4	0.0	3603.4
	% Fixture	54.3	0.0	54.3
<b>Total</b>	Lumens	6642.0	0.0	6642.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.3	0.4
10°-20°	93.6	1.4
20°-30°	212.1	3.2
30°-40°	450.9	6.8
40°-50°	837.4	12.6
50°-60°	1350.3	20.3
60°-70°	1778.1	26.8
70°-80°	1515.1	22.8
80°-90°	376.3	5.7
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°	6642.0	100.0
0°-180°	6642.0	100.0

**Coefficient of Utilization**



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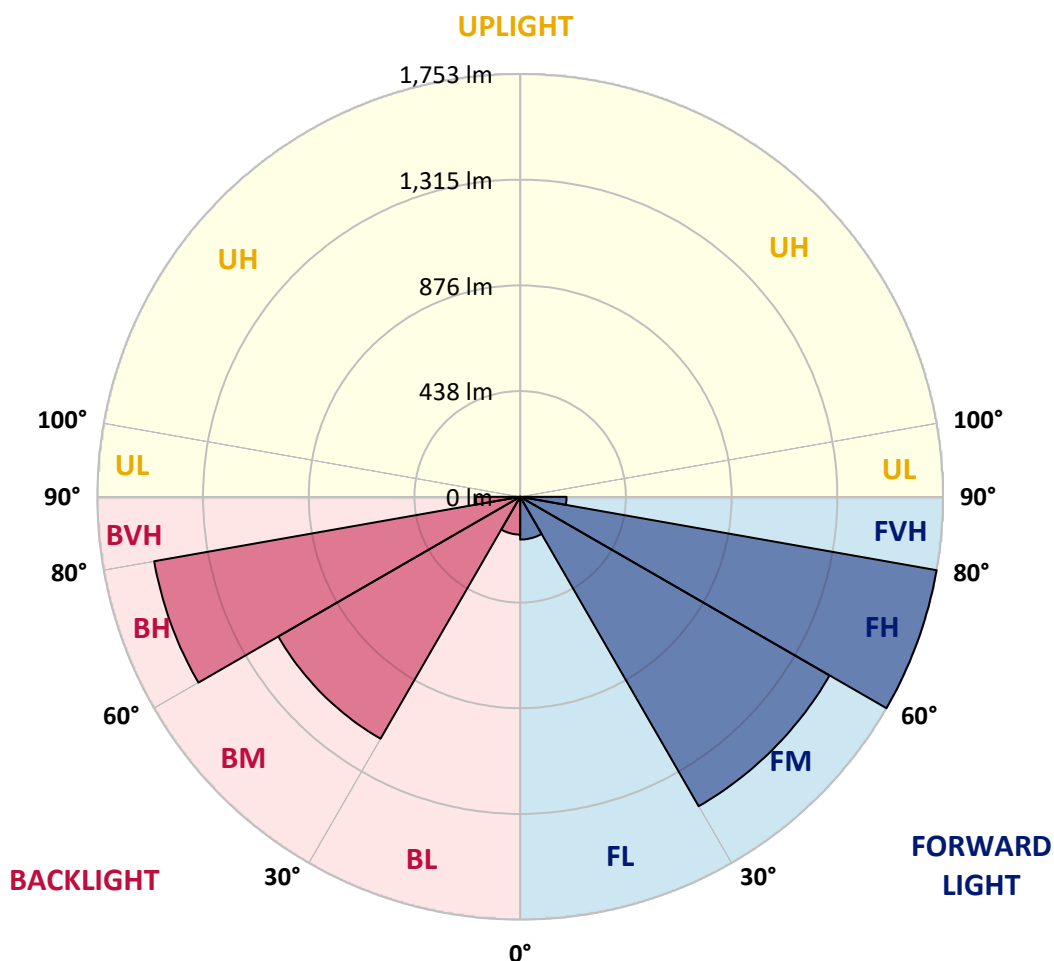
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	177.4	2.7			
FM (30°-60°)	1480.9	22.3			
FH (60°-80°)	1752.8	26.4			G1/1800
FVH (80°-90°)	192.3	2.9			G2/225
BL (0°-30°)	156.5	2.4	B1/500		
BM (30°-60°)	1157.7	17.4	B2/2500		
BH (60°-80°)	1540.4	23.2	B3/2500		G3/2500
BVH (80°-90°)	184.0	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6
2.5°	284.1	284.1	284.1	284.1	287.5	287.5	284.1	284.1	284.1	284.1	284.1
5°	294.4	291.0	294.4	294.4	294.4	294.4	291.0	291.0	291.0	291.0	291.0
7.5°	297.9	297.9	297.9	297.9	301.4	301.4	301.4	297.9	297.9	297.9	301.4
10°	297.9	301.4	301.4	304.8	308.3	311.8	311.8	308.3	308.3	308.3	308.3
12.5°	308.3	308.3	308.3	311.8	318.7	318.7	322.2	322.2	318.7	315.2	318.7
15°	318.7	318.7	322.2	325.6	332.6	332.6	332.6	332.6	329.1	325.6	322.2
17.5°	336.0	336.0	342.9	346.4	356.8	360.3	363.7	367.2	363.7	356.8	356.8
20°	360.3	360.3	367.2	374.1	381.1	391.4	398.4	398.4	398.4	398.4	398.4
22.5°	370.7	374.1	384.5	401.8	415.7	429.5	439.9	450.3	464.2	464.2	460.7
25°	381.1	384.5	401.8	422.6	453.8	481.5	516.2	550.8	568.1	554.3	550.8
27.5°	398.4	401.8	419.2	446.9	488.4	550.8	620.1	675.5	689.4	654.7	644.3
30°	408.8	412.2	439.9	474.6	523.1	630.5	734.4	807.1	810.6	769.0	751.7
32.5°	433.0	436.5	460.7	502.3	582.0	720.5	866.0	945.7	963.0	914.5	886.8
35°	464.2	467.7	491.9	536.9	651.3	824.5	997.7	1080.8	1122.4	1080.8	1039.2
37.5°	474.6	481.5	509.2	571.6	717.1	935.3	1125.8	1236.7	1306.0	1264.4	1219.4
40°	485.0	488.4	516.2	602.8	779.4	1032.3	1254.0	1416.8	1510.3	1472.2	1430.7
42.5°	491.9	495.4	523.1	627.0	838.3	1108.5	1385.6	1607.3	1732.0	1711.3	1666.2
45°	491.9	495.4	530.0	654.7	890.3	1188.2	1520.7	1794.4	1967.6	1967.6	1915.6
47.5°	495.4	495.4	530.0	682.4	931.8	1274.8	1659.3	1971.1	2192.8	2244.7	2178.9
50°	505.8	509.2	550.8	703.2	987.3	1371.8	1811.7	2154.7	2421.4	2504.5	2463.0
52.5°	505.8	505.8	564.6	730.9	1035.8	1451.5	1943.4	2341.7	2657.0	2757.4	2740.1
55°	519.6	523.1	582.0	762.1	1073.9	1538.1	2081.9	2528.8	2892.5	3020.7	3017.2
57.5°	516.2	526.5	595.8	776.0	1112.0	1638.5	2244.7	2708.9	3131.5	3301.3	3280.5
60°	502.3	516.2	595.8	776.0	1136.2	1707.8	2383.3	2889.1	3329.0	3574.9	3547.2
62.5°	485.0	502.3	582.0	762.1	1132.8	1735.5	2463.0	3024.2	3484.9	3803.6	3779.3
65°	464.2	491.9	561.2	730.9	1105.0	1725.1	2483.8	3093.4	3581.9	3949.1	3938.7
67.5°	436.5	464.2	533.5	689.4	1060.0	1676.6	2442.2	3076.1	3602.7	3987.2	4001.0
70°	405.3	429.5	491.9	637.4	994.2	1593.5	2345.2	2961.8	3512.6	3893.6	3935.2
72.5°	374.1	388.0	443.4	568.1	897.2	1468.8	2178.9	2754.0	3301.3	3658.1	3720.4
75°	336.0	342.9	388.0	491.9	776.0	1299.0	1946.8	2428.3	2937.6	3277.0	3322.1
77.5°	287.5	287.5	325.6	401.8	640.9	1080.8	1635.1	2040.4	2480.3	2747.0	2816.3
80°	232.1	228.6	249.4	304.8	478.0	814.1	1254.0	1548.5	1898.3	2099.2	2154.7
82.5°	166.3	162.8	169.7	194.0	304.8	533.5	814.1	997.7	1236.7	1361.4	1396.0
85°	86.6	86.6	86.6	93.5	128.2	218.2	332.6	367.2	523.1	540.4	564.6
87.5°	20.8	20.8	20.8	17.3	13.9	13.9	10.4	10.4	10.4	10.4	6.9
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):**

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6	280.6
2.5°	284.1	284.1	284.1	287.5	287.5	287.5	287.5	287.5	287.5	287.5	287.5
5°	291.0	294.4	294.4	294.4	294.4	291.0	291.0	291.0	287.5	287.5	287.5
7.5°	301.4	301.4	301.4	297.9	297.9	297.9	294.4	294.4	294.4	294.4	294.4
10°	308.3	308.3	308.3	304.8	304.8	304.8	304.8	301.4	297.9	297.9	297.9
12.5°	318.7	318.7	315.2	311.8	311.8	311.8	308.3	301.4	297.9	297.9	297.9
15°	325.6	322.2	318.7	315.2	315.2	315.2	308.3	304.8	301.4	297.9	297.9
17.5°	356.8	353.3	346.4	336.0	332.6	329.1	322.2	315.2	308.3	301.4	301.4
20°	401.8	394.9	384.5	363.7	349.9	346.4	342.9	322.2	304.8	297.9	297.9
22.5°	464.2	460.7	429.5	401.8	381.1	370.7	360.3	336.0	315.2	301.4	297.9
25°	547.3	530.0	491.9	453.8	422.6	394.9	381.1	356.8	332.6	318.7	318.7
27.5°	637.4	620.1	571.6	526.5	478.0	422.6	401.8	370.7	346.4	342.9	342.9
30°	744.8	724.0	665.1	599.3	530.0	453.8	419.2	377.6	360.3	363.7	367.2
32.5°	873.0	845.2	765.6	685.9	588.9	491.9	433.0	391.4	374.1	377.6	377.6
35°	1028.8	994.2	897.2	782.9	647.8	530.0	446.9	408.8	384.5	377.6	377.6
37.5°	1198.6	1160.5	1046.2	904.1	720.5	561.2	467.7	419.2	394.9	384.5	384.5
40°	1406.4	1354.5	1209.0	1035.8	803.7	602.8	488.4	436.5	408.8	388.0	388.0
42.5°	1638.5	1583.1	1399.5	1177.8	900.7	654.7	509.2	457.3	408.8	388.0	388.0
45°	1894.9	1832.5	1614.3	1333.7	1001.1	706.7	533.5	464.2	412.2	391.4	391.4
47.5°	2178.9	2116.6	1853.3	1503.4	1101.6	755.2	561.2	474.6	419.2	394.9	394.9
50°	2449.1	2390.2	2113.1	1690.5	1212.4	803.7	582.0	488.4	415.7	391.4	388.0
52.5°	2733.2	2657.0	2383.3	1887.9	1340.6	866.0	602.8	491.9	415.7	391.4	391.4
55°	3010.3	2923.7	2667.4	2099.2	1472.2	935.3	627.0	491.9	415.7	388.0	388.0
57.5°	3284.0	3197.4	2944.5	2314.0	1596.9	990.7	644.3	491.9	408.8	381.1	381.1
60°	3557.6	3478.0	3200.8	2511.5	1711.3	1035.8	651.3	488.4	398.4	374.1	370.7
62.5°	3800.1	3727.4	3419.1	2674.3	1811.7	1073.9	647.8	471.1	388.0	360.3	360.3
65°	3966.4	3907.5	3581.9	2788.6	1887.9	1101.6	640.9	450.3	370.7	342.9	339.5
67.5°	4032.2	3987.2	3661.6	2840.6	1922.6	1105.0	620.1	426.1	346.4	318.7	322.2
70°	3969.9	3935.2	3626.9	2812.8	1901.8	1073.9	585.4	394.9	318.7	294.4	294.4
72.5°	3751.6	3734.3	3439.9	2681.2	1804.8	1008.1	533.5	353.3	287.5	263.3	266.7
75°	3374.0	3374.0	3107.3	2442.2	1635.1	907.6	471.1	304.8	252.9	232.1	232.1
77.5°	2837.1	2851.0	2618.9	2078.5	1392.6	769.0	394.9	256.3	211.3	194.0	194.0
80°	2168.5	2178.9	2002.2	1628.1	1091.2	606.2	304.8	197.5	162.8	149.0	152.4
82.5°	1396.0	1406.4	1295.6	1073.9	737.9	415.7	211.3	135.1	114.3	103.9	103.9
85°	550.8	568.1	519.6	436.5	339.5	207.8	107.4	69.3	65.8	55.4	52.0
87.5°	10.4	10.4	13.9	20.8	27.7	27.7	20.8	17.3	17.3	20.8	17.3
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)