

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: P553757

Luminaire Tested: **LXS-VA3-730-U-ASC-S**

Issue Date: 7/13/2021

Test Information

Test Method: LM-79-08
Report Number: P553757
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-VA3-730-U-ASC-S
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE
70 CRI, 3000K LEDS AND TYPE II OPTIC, SPIDER MOUNT
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6148 lumens
Efficiency: N/A
Efficacy: 62.1 lumens/watt
Luminous Opening: Circular (Dia: 1.62' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

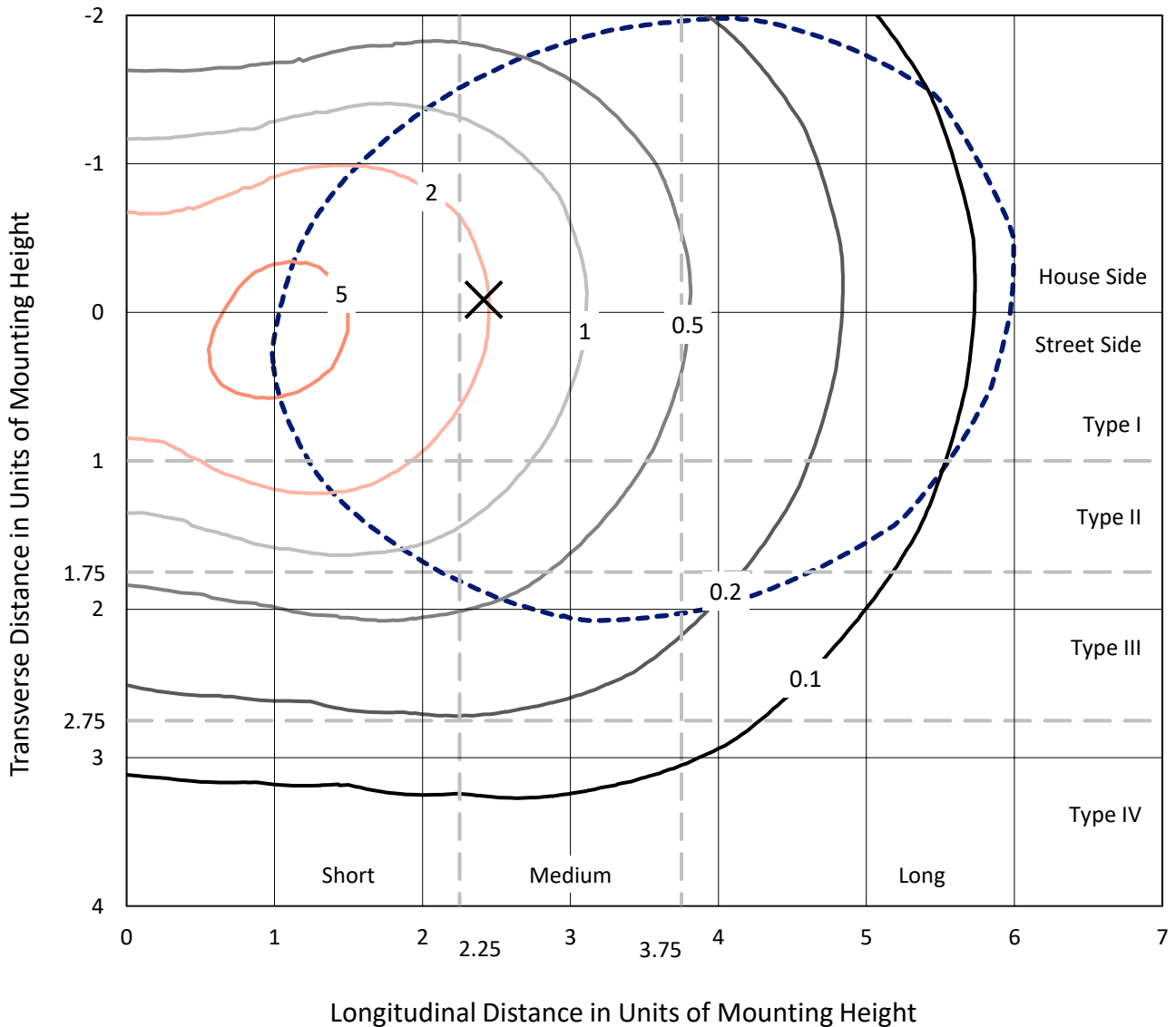
Input Watts (W): 99
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

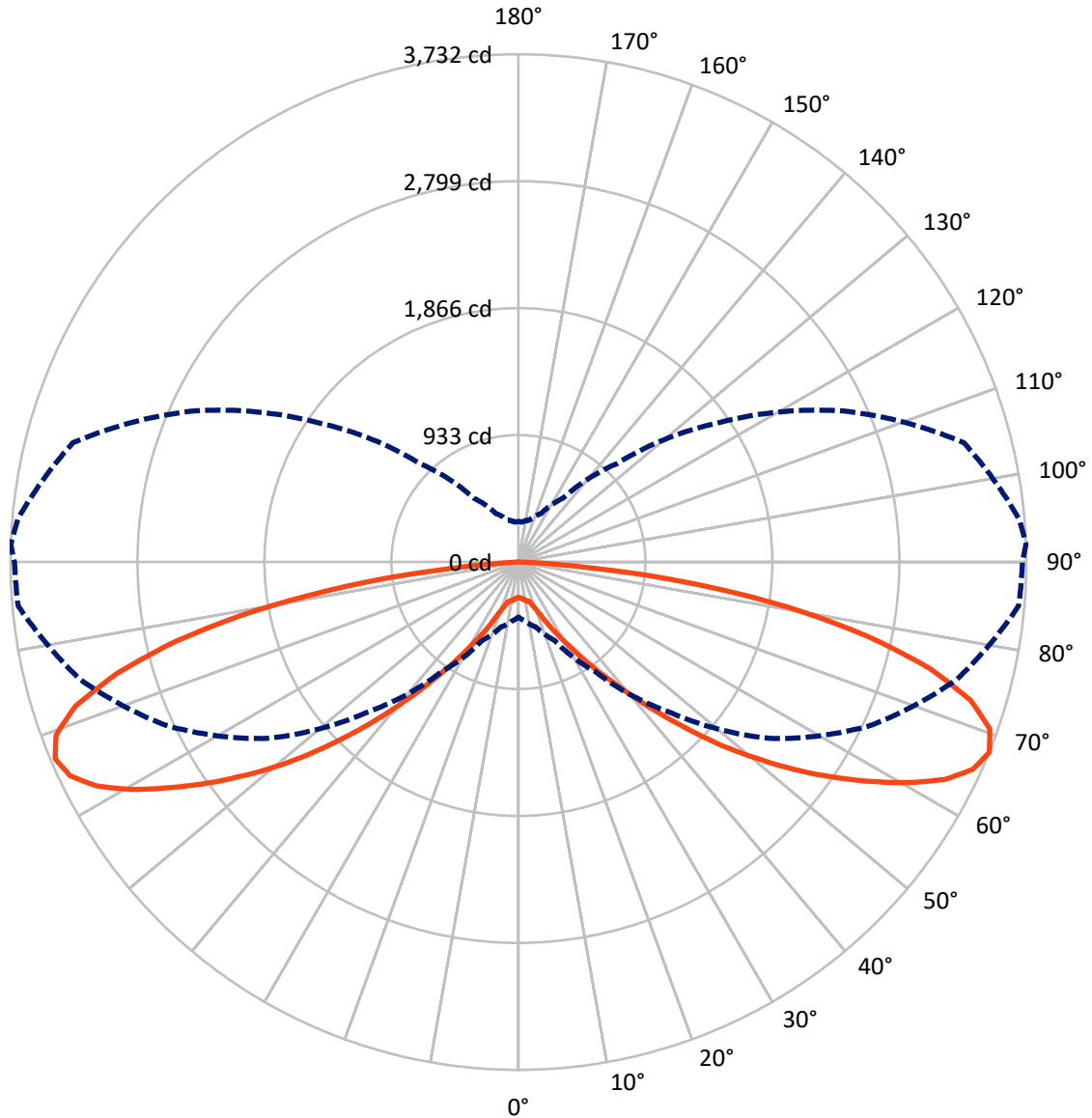
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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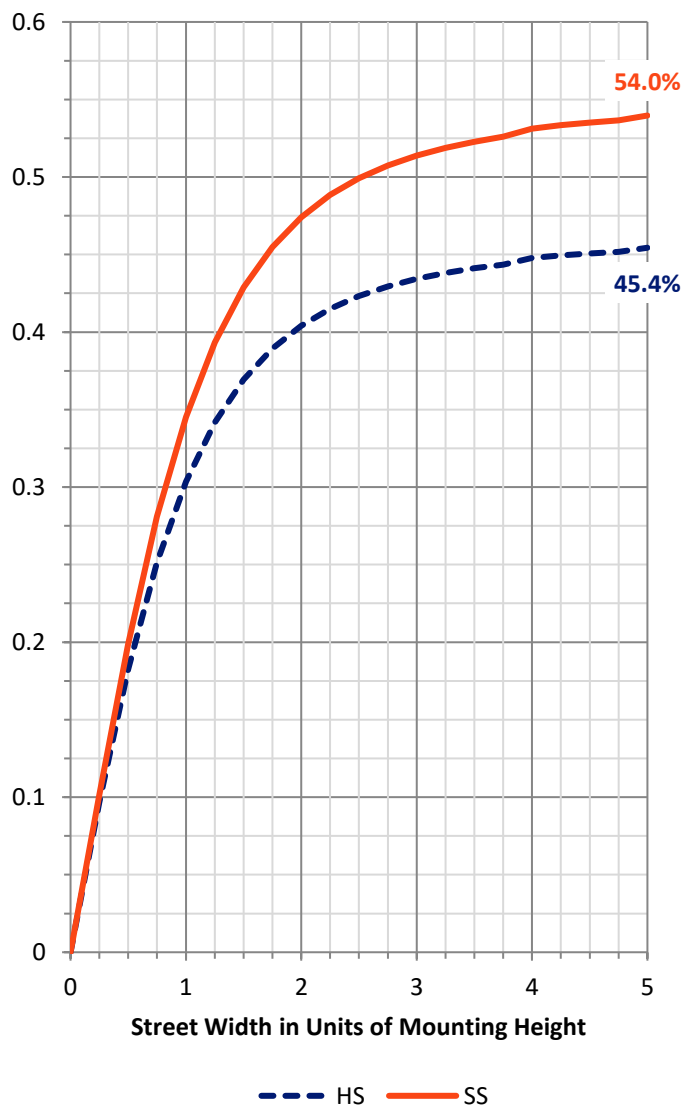
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2812.6	0.0	2812.6
	% Fixture	45.7	0.0	45.7
Street Side	Lumens	3335.3	0.0	3335.3
	% Fixture	54.3	0.0	54.3
Total	Lumens	6148.0	0.0	6148.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.2	0.4
10°-20°	86.6	1.4
20°-30°	196.3	3.2
30°-40°	417.4	6.8
40°-50°	775.1	12.6
50°-60°	1249.9	20.3
60°-70°	1645.9	26.8
70°-80°	1402.4	22.8
80°-90°	348.3	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°	6148.0	100.0
0°-180°	6148.0	100.0

Coefficient of Utilization



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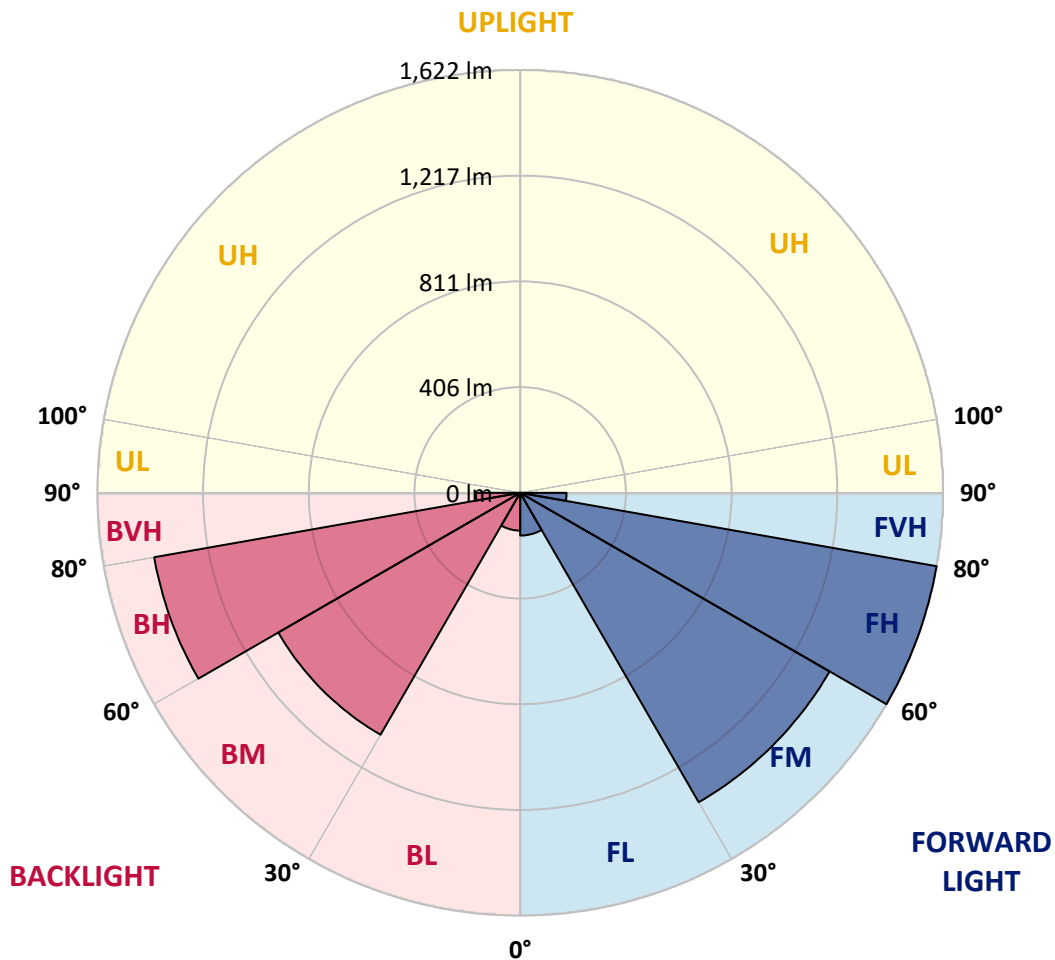
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	164.2	2.7			
FM (30°-60°)	1370.8	22.3			
FH (60°-80°)	1622.4	26.4			G1/1800
FVH (80°-90°)	178.0	2.9			G2/225
BL (0°-30°)	144.9	2.4	B1/500		
BM (30°-60°)	1071.6	17.4	B2/2500		
BH (60°-80°)	1425.8	23.2	B3/2500		G3/2500
BVH (80°-90°)	170.3	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°	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7
2.5°	262.9	262.9	262.9	262.9	266.1	266.1	262.9	262.9	262.9	262.9	262.9
5°	272.5	269.3	272.5	272.5	272.5	272.5	269.3	269.3	269.3	269.3	269.3
7.5°	275.8	275.8	275.8	275.8	279.0	279.0	279.0	275.8	275.8	275.8	279.0
10°	275.8	279.0	279.0	282.2	285.4	288.6	288.6	285.4	285.4	285.4	285.4
12.5°	285.4	285.4	285.4	288.6	295.0	295.0	298.2	298.2	295.0	291.8	295.0
15°	295.0	295.0	298.2	301.4	307.8	307.8	307.8	307.8	304.6	301.4	298.2
17.5°	311.0	311.0	317.4	320.6	330.3	333.5	336.7	339.9	336.7	330.3	330.3
20°	333.5	333.5	339.9	346.3	352.7	362.3	368.7	368.7	368.7	368.7	368.7
22.5°	343.1	346.3	355.9	371.9	384.8	397.6	407.2	416.8	429.7	429.7	426.5
25°	352.7	355.9	371.9	391.2	420.0	445.7	477.8	509.8	525.9	513.0	509.8
27.5°	368.7	371.9	388.0	413.6	452.1	509.8	574.0	625.3	638.1	606.0	596.4
30°	378.4	381.6	407.2	439.3	484.2	583.6	679.8	747.1	750.3	711.8	695.8
32.5°	400.8	404.0	426.5	464.9	538.7	666.9	801.6	875.4	891.4	846.5	820.9
35°	429.7	432.9	455.3	497.0	602.8	763.1	923.5	1000.4	1038.9	1000.4	961.9
37.5°	439.3	445.7	471.3	529.1	663.7	865.7	1042.1	1144.7	1208.8	1170.4	1128.7
40°	448.9	452.1	477.8	557.9	721.5	955.5	1160.7	1311.4	1398.0	1362.7	1324.3
42.5°	455.3	458.5	484.2	580.4	776.0	1026.1	1282.6	1487.8	1603.2	1584.0	1542.3
45°	455.3	458.5	490.6	606.0	824.1	1099.8	1407.6	1660.9	1821.3	1821.3	1773.2
47.5°	458.5	458.5	490.6	631.7	862.5	1180.0	1535.9	1824.5	2029.7	2077.8	2016.9
50°	468.1	471.3	509.8	650.9	913.8	1269.8	1677.0	1994.4	2241.3	2318.3	2279.8
52.5°	468.1	468.1	522.7	676.6	958.7	1343.5	1798.8	2167.6	2459.4	2552.3	2536.3
55°	481.0	484.2	538.7	705.4	994.0	1423.7	1927.1	2340.7	2677.4	2796.0	2792.8
57.5°	477.8	487.4	551.5	718.2	1029.3	1516.7	2077.8	2507.4	2898.6	3055.8	3036.5
60°	464.9	477.8	551.5	718.2	1051.7	1580.8	2206.0	2674.2	3081.4	3309.1	3283.4
62.5°	448.9	464.9	538.7	705.4	1048.5	1606.4	2279.8	2799.2	3225.7	3520.7	3498.2
65°	429.7	455.3	519.4	676.6	1022.9	1596.8	2299.0	2863.4	3315.5	3655.4	3645.7
67.5°	404.0	429.7	493.8	638.1	981.2	1551.9	2260.6	2847.3	3334.7	3690.6	3703.5
70°	375.2	397.6	455.3	590.0	920.3	1475.0	2170.8	2741.5	3251.3	3604.1	3642.5
72.5°	346.3	359.1	410.4	525.9	830.5	1359.5	2016.9	2549.1	3055.8	3386.0	3443.7
75°	311.0	317.4	359.1	455.3	718.2	1202.4	1802.0	2247.7	2719.1	3033.3	3075.0
77.5°	266.1	266.1	301.4	371.9	593.2	1000.4	1513.4	1888.6	2295.8	2542.7	2606.8
80°	214.8	211.6	230.9	282.2	442.5	753.5	1160.7	1433.3	1757.1	1943.1	1994.4
82.5°	153.9	150.7	157.1	179.6	282.2	493.8	753.5	923.5	1144.7	1260.1	1292.2
85°	80.2	80.2	80.2	86.6	118.6	202.0	307.8	339.9	484.2	500.2	522.7
87.5°	19.2	19.2	19.2	16.0	12.8	12.8	9.6	9.6	9.6	9.6	6.4
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°	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7	259.7
2.5°	262.9	262.9	262.9	266.1	266.1	266.1	266.1	266.1	266.1	266.1	266.1
5°	269.3	272.5	272.5	272.5	272.5	269.3	269.3	269.3	266.1	266.1	266.1
7.5°	279.0	279.0	279.0	275.8	275.8	275.8	272.5	272.5	272.5	272.5	272.5
10°	285.4	285.4	285.4	282.2	282.2	282.2	282.2	279.0	275.8	275.8	275.8
12.5°	295.0	295.0	291.8	288.6	288.6	288.6	285.4	279.0	275.8	275.8	275.8
15°	301.4	298.2	295.0	291.8	291.8	291.8	285.4	282.2	279.0	275.8	275.8
17.5°	330.3	327.1	320.6	311.0	307.8	304.6	298.2	291.8	285.4	279.0	279.0
20°	371.9	365.5	355.9	336.7	323.9	320.6	317.4	298.2	282.2	275.8	275.8
22.5°	429.7	426.5	397.6	371.9	352.7	343.1	333.5	311.0	291.8	279.0	275.8
25°	506.6	490.6	455.3	420.0	391.2	365.5	352.7	330.3	307.8	295.0	295.0
27.5°	590.0	574.0	529.1	487.4	442.5	391.2	371.9	343.1	320.6	317.4	317.4
30°	689.4	670.1	615.6	554.7	490.6	420.0	388.0	349.5	333.5	336.7	339.9
32.5°	808.0	782.4	708.6	634.9	545.1	455.3	400.8	362.3	346.3	349.5	349.5
35°	952.3	920.3	830.5	724.7	599.6	490.6	413.6	378.4	355.9	349.5	349.5
37.5°	1109.4	1074.2	968.3	836.9	666.9	519.4	432.9	388.0	365.5	355.9	355.9
40°	1301.8	1253.7	1119.1	958.7	743.9	557.9	452.1	404.0	378.4	359.1	359.1
42.5°	1516.7	1465.4	1295.4	1090.2	833.7	606.0	471.3	423.3	378.4	359.1	359.1
45°	1753.9	1696.2	1494.2	1234.5	926.7	654.1	493.8	429.7	381.6	362.3	362.3
47.5°	2016.9	1959.1	1715.5	1391.6	1019.7	699.0	519.4	439.3	388.0	365.5	365.5
50°	2267.0	2212.5	1955.9	1564.8	1122.3	743.9	538.7	452.1	384.8	362.3	359.1
52.5°	2529.9	2459.4	2206.0	1747.5	1240.9	801.6	557.9	455.3	384.8	362.3	362.3
55°	2786.4	2706.2	2469.0	1943.1	1362.7	865.7	580.4	455.3	384.8	359.1	359.1
57.5°	3039.7	2959.6	2725.5	2141.9	1478.2	917.0	596.4	455.3	378.4	352.7	352.7
60°	3293.0	3219.3	2962.8	2324.7	1584.0	958.7	602.8	452.1	368.7	346.3	343.1
62.5°	3517.5	3450.1	3164.8	2475.4	1677.0	994.0	599.6	436.1	359.1	333.5	333.5
65°	3671.4	3616.9	3315.5	2581.2	1747.5	1019.7	593.2	416.8	343.1	317.4	314.2
67.5°	3732.3	3690.6	3389.2	2629.3	1779.6	1022.9	574.0	394.4	320.6	295.0	298.2
70°	3674.6	3642.5	3357.2	2603.6	1760.3	994.0	541.9	365.5	295.0	272.5	272.5
72.5°	3472.6	3456.6	3184.0	2481.8	1670.6	933.1	493.8	327.1	266.1	243.7	246.9
75°	3123.1	3123.1	2876.2	2260.6	1513.4	840.1	436.1	282.2	234.1	214.8	214.8
77.5°	2626.1	2638.9	2424.1	1923.9	1289.0	711.8	365.5	237.3	195.6	179.6	179.6
80°	2007.2	2016.9	1853.3	1507.0	1010.0	561.1	282.2	182.8	150.7	137.9	141.1
82.5°	1292.2	1301.8	1199.2	994.0	683.0	384.8	195.6	125.1	105.8	96.2	96.2
85°	509.8	525.9	481.0	404.0	314.2	192.4	99.4	64.1	60.9	51.3	48.1
87.5°	9.6	9.6	12.8	19.2	25.7	25.7	19.2	16.0	16.0	19.2	16.0
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)