

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: P553755

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

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553755  
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-VA3-730-U-ASC-A  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE II OPTIC, ARM MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6730 lumens  
Efficiency: N/A  
Efficacy: 68.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

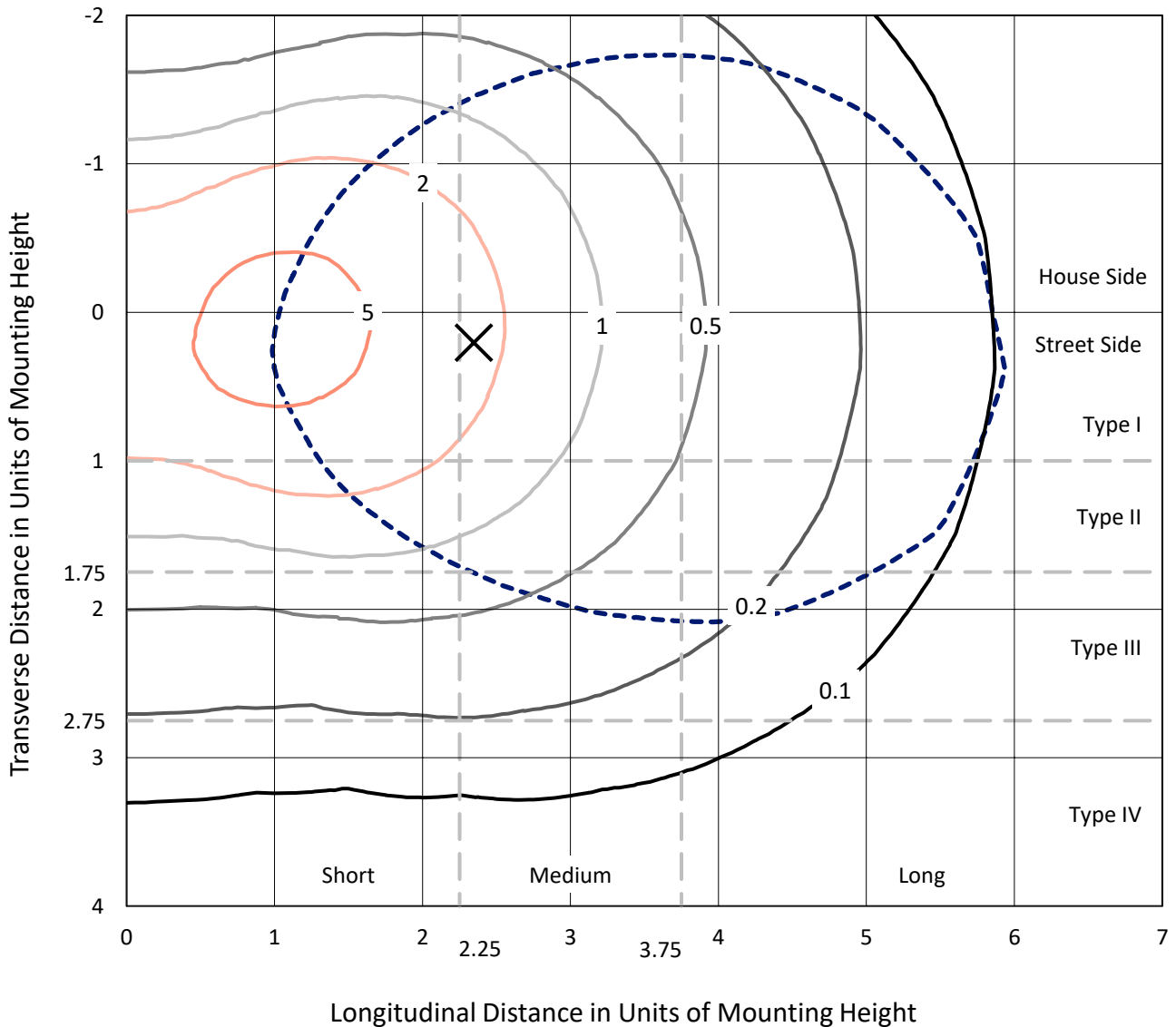
Input Watts (W): 99  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P553755  
 CATALOG NUMBER: LXS-VA3-730-U-ASC-A

### Iso-Footcandle Lines of Horizontal Illumination

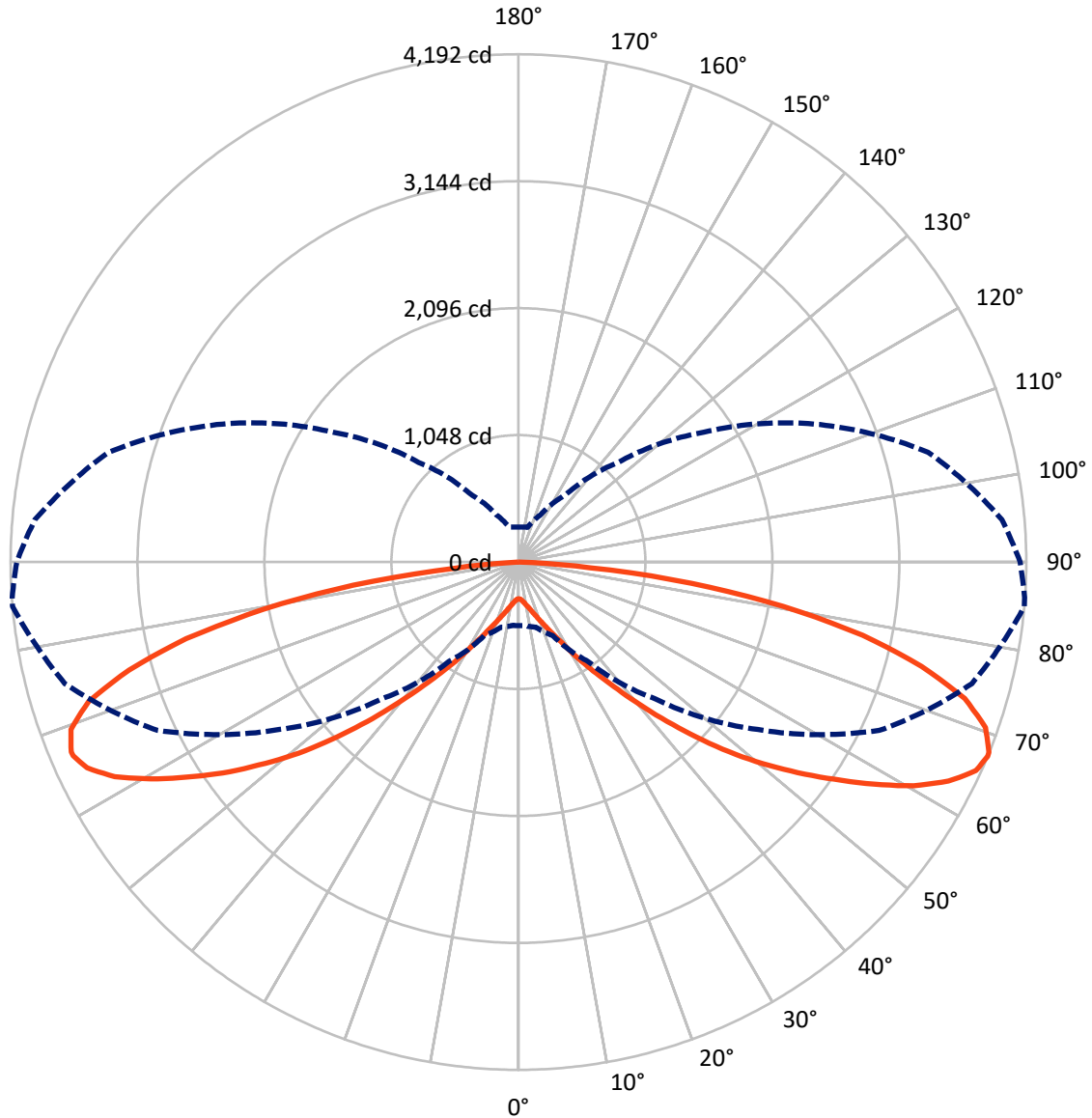
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P553755  
CATALOG NUMBER: LXS-VA3-730-U-ASC-A

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P553755

CATALOG NUMBER: LXS-VA3-730-U-ASC-A

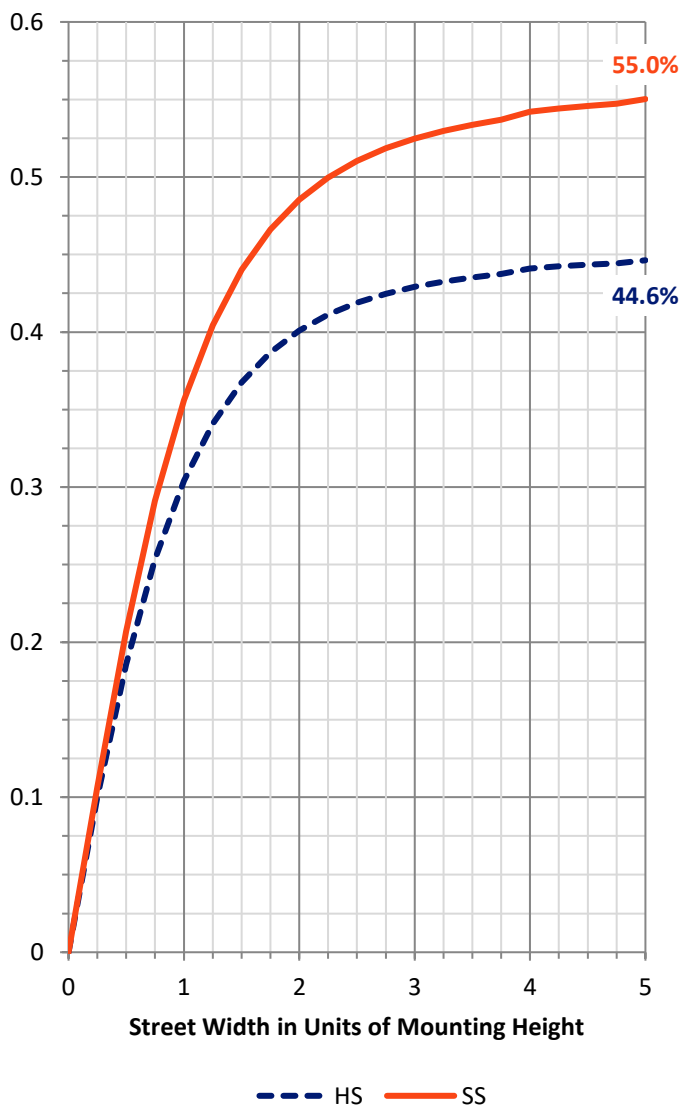
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3011.7	0.0	3011.7
	% Fixture	44.8	0.0	44.8
<b>Street Side</b>	Lumens	3718.3	0.0	3718.3
	% Fixture	55.2	0.0	55.2
<b>Total</b>	Lumens	6730.0	0.0	6730.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.0	0.5
10°-20°	110.0	1.6
20°-30°	240.0	3.6
30°-40°	472.7	7.0
40°-50°	854.7	12.7
50°-60°	1365.0	20.3
60°-70°	1791.4	26.6
70°-80°	1512.6	22.5
80°-90°	352.6	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°	6730.0	100.0
0°-180°	6730.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P553755

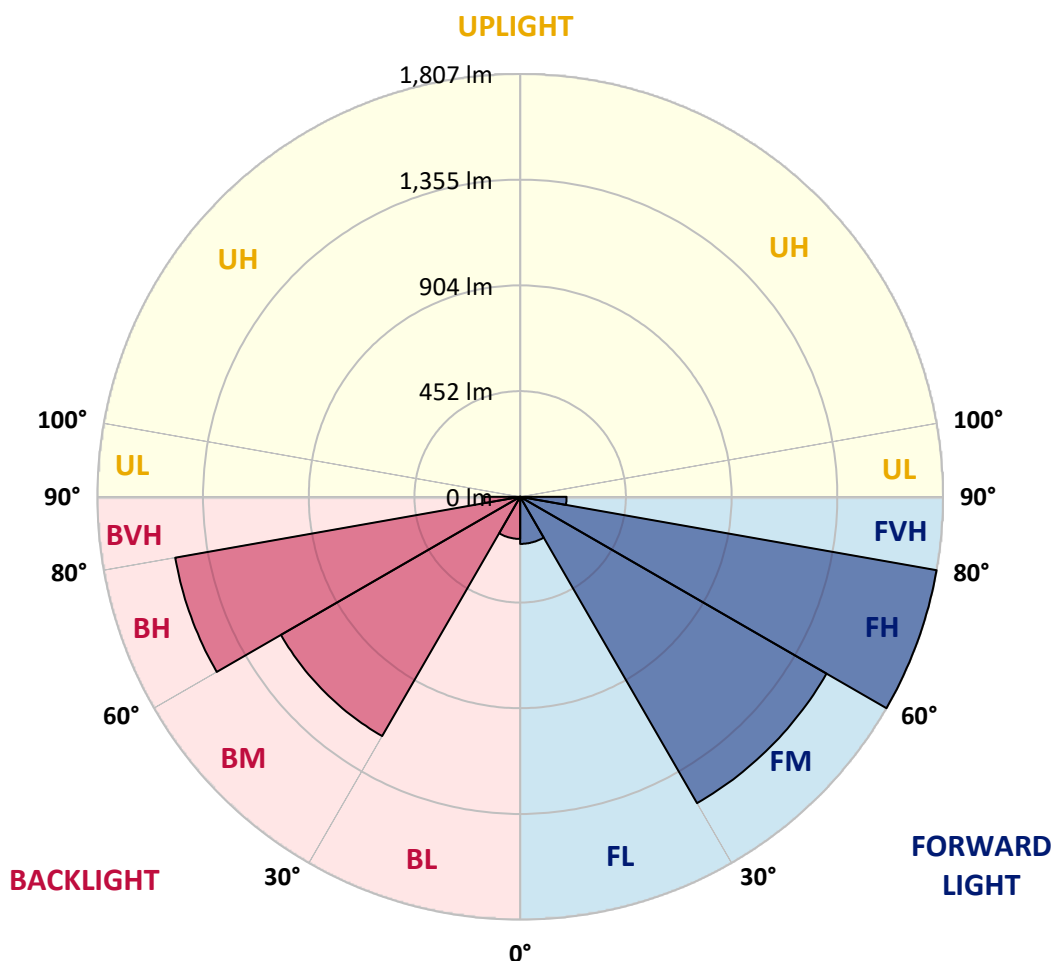
CATALOG NUMBER: LXS-VA3-730-U-ASC-A

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.2	3.0			
FM	(30°-60°)	1511.7	22.5			
FH	(60°-80°)	1807.0	26.9			G2/5000
FVH	(80°-90°)	198.4	2.9			G2/225
BL	(0°-30°)	179.9	2.7	B1/500		
BM	(30°-60°)	1180.6	17.5	B2/2500		
BH	(60°-80°)	1497.0	22.2	B3/2500		G3/2500
BVH	(80°-90°)	154.2	2.3			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 Medium





REPORT NUMBER: P553755  
 CATALOG NUMBER: LXS-VA3-730-U-ASC-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8
2.5°	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0	307.0
5°	313.4	313.4	313.4	316.6	316.6	319.8	319.8	319.8	319.8	319.8	319.8
7.5°	316.6	316.6	319.8	323.0	329.4	332.6	335.8	335.8	335.8	339.0	339.0
10°	319.8	319.8	323.0	329.4	339.0	348.6	355.0	358.2	361.4	361.4	361.4
12.5°	329.4	329.4	332.6	339.0	351.8	364.6	377.4	386.9	390.1	390.1	390.1
15°	345.4	345.4	348.6	358.2	371.0	386.9	402.9	418.9	425.3	425.3	425.3
17.5°	367.8	367.8	371.0	380.5	396.5	418.9	438.1	457.3	466.9	466.9	466.9
20°	396.5	396.5	399.7	412.5	428.5	454.1	482.9	505.3	521.3	518.1	518.1
22.5°	412.5	412.5	422.1	441.3	463.7	492.5	537.2	566.0	585.2	578.8	575.6
25°	425.3	425.3	434.9	460.5	502.1	540.4	601.2	639.6	662.0	652.4	649.2
27.5°	441.3	444.5	457.3	482.9	534.0	598.0	665.2	732.3	751.5	741.9	738.7
30°	457.3	457.3	476.5	514.9	572.4	658.8	748.3	857.0	876.2	863.4	850.6
32.5°	482.9	482.9	498.9	543.6	623.6	722.7	857.0	972.2	1007.3	1000.9	994.5
35°	521.3	521.3	537.2	578.8	674.8	799.5	975.4	1106.5	1170.4	1151.2	1148.0
37.5°	534.0	537.2	559.6	617.2	719.5	895.4	1096.9	1263.2	1355.9	1333.5	1323.9
40°	543.6	546.8	569.2	639.6	767.5	978.6	1218.4	1445.4	1557.4	1547.8	1528.6
42.5°	550.0	553.2	578.8	652.4	815.5	1048.9	1346.3	1643.7	1790.8	1797.2	1784.4
45°	550.0	553.2	588.4	668.4	850.6	1122.5	1477.4	1845.2	2046.6	2062.6	2046.6
47.5°	550.0	553.2	588.4	684.3	879.4	1199.2	1611.7	2027.5	2292.9	2340.9	2318.5
50°	569.2	572.4	604.4	700.3	927.4	1288.7	1749.2	2216.1	2535.9	2615.9	2596.7
52.5°	569.2	575.6	610.8	716.3	972.2	1371.9	1883.6	2414.4	2775.8	2887.7	2855.7
55°	591.6	594.8	623.6	738.7	1010.5	1451.8	2024.3	2609.5	3044.4	3165.9	3149.9
57.5°	598.0	601.2	633.2	748.3	1042.5	1541.4	2181.0	2814.1	3322.6	3460.1	3437.7
60°	585.2	588.4	626.8	741.9	1064.9	1611.7	2318.5	3018.8	3549.7	3751.1	3728.7
62.5°	569.2	572.4	607.6	729.1	1061.7	1637.3	2408.0	3178.7	3719.1	3984.6	3962.2
65°	550.0	550.0	582.0	703.5	1032.9	1627.7	2433.6	3277.8	3837.5	4150.9	4138.1
67°	524.5	524.5	556.4	668.4	1000.9	1595.7	2411.2	3287.4	3875.8	4192.4	4189.2
67.5°	514.9	518.1	546.8	662.0	991.3	1583.0	2401.6	3281.0	3879.0	4189.2	4189.2
70°	473.3	476.5	502.1	607.6	930.6	1503.0	2299.3	3181.9	3802.3	4090.1	4099.7
72.5°	425.3	425.3	447.7	543.6	841.0	1387.9	2145.8	2977.2	3584.8	3853.4	3863.0
75°	367.8	367.8	386.9	470.1	729.1	1221.6	1918.7	2667.0	3223.5	3437.7	3469.7
77.5°	303.8	307.0	316.6	383.7	598.0	1016.9	1611.7	2251.3	2724.6	2903.7	2919.7
80°	230.2	233.4	239.8	284.6	450.9	764.3	1231.2	1733.3	2094.6	2219.3	2235.3
82.5°	150.3	153.5	156.7	179.1	287.8	495.7	796.3	1138.4	1381.5	1439.0	1455.0
85°	64.0	64.0	67.2	76.7	121.5	201.5	329.4	466.9	578.8	594.8	594.8
87.5°	3.2	3.2	0.0	0.0	3.2	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



REPORT NUMBER: P553755  
 CATALOG NUMBER: LXS-VA3-730-U-ASC-A

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8	303.8
2.5°	307.0	307.0	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2	310.2
5°	319.8	319.8	319.8	319.8	319.8	316.6	313.4	313.4	310.2	310.2	310.2
7.5°	339.0	339.0	335.8	332.6	326.2	323.0	319.8	319.8	316.6	316.6	316.6
10°	361.4	361.4	358.2	348.6	342.2	339.0	332.6	326.2	323.0	319.8	319.8
12.5°	390.1	390.1	383.7	371.0	364.6	355.0	342.2	332.6	326.2	323.0	323.0
15°	425.3	425.3	412.5	399.7	386.9	367.8	351.8	342.2	332.6	329.4	329.4
17.5°	466.9	463.7	447.7	434.9	412.5	386.9	367.8	355.0	342.2	335.8	332.6
20°	514.9	511.7	489.3	470.1	438.1	409.3	383.7	361.4	342.2	335.8	335.8
22.5°	569.2	566.0	540.4	511.7	466.9	434.9	396.5	367.8	348.6	342.2	342.2
25°	639.6	633.2	594.8	556.4	505.3	460.5	412.5	380.5	358.2	345.4	342.2
27.5°	725.9	716.3	665.2	614.0	550.0	482.9	428.5	386.9	358.2	345.4	342.2
30°	834.6	818.7	751.5	674.8	598.0	514.9	450.9	393.3	364.6	351.8	348.6
32.5°	965.8	943.4	857.0	748.3	649.2	553.2	463.7	406.1	371.0	351.8	351.8
35°	1116.1	1084.1	975.4	841.0	706.7	591.6	486.1	415.7	371.0	351.8	348.6
37.5°	1288.7	1247.2	1112.9	949.8	777.1	626.8	508.5	422.1	374.2	358.2	355.0
40°	1493.4	1439.0	1266.4	1071.3	863.4	671.6	530.8	434.9	383.7	361.4	358.2
42.5°	1733.3	1666.1	1442.2	1202.4	956.2	725.9	553.2	447.7	383.7	358.2	358.2
45°	1992.3	1915.5	1637.3	1343.1	1052.1	783.5	578.8	454.1	386.9	364.6	361.4
47.5°	2267.3	2184.2	1854.8	1496.6	1148.0	834.6	607.6	460.5	393.3	364.6	361.4
50°	2548.7	2459.2	2088.2	1666.1	1253.6	892.2	626.8	470.1	390.1	361.4	358.2
52.5°	2833.3	2721.4	2350.4	1861.2	1375.1	953.0	646.0	476.5	390.1	361.4	358.2
55°	3124.3	2999.6	2612.7	2046.6	1496.6	1020.1	671.6	476.5	390.1	358.2	355.0
57.5°	3405.7	3258.6	2862.1	2241.7	1611.7	1074.5	690.7	479.7	383.7	348.6	345.4
60°	3677.6	3527.3	3098.7	2420.8	1710.9	1112.9	697.1	476.5	374.2	342.2	339.0
62.5°	3917.4	3773.5	3293.8	2564.7	1790.8	1148.0	697.1	463.7	358.2	329.4	326.2
65°	4083.7	3946.2	3444.1	2663.8	1848.4	1167.2	690.7	447.7	332.6	310.2	307.0
67°	4141.3	4006.9	3501.7	2695.8	1867.6	1164.0	678.0	428.5	297.4	291.0	287.8
67.5°	4144.5	4010.1	3504.9	2699.0	1867.6	1160.8	671.6	425.3	284.6	284.6	284.6
70°	4070.9	3943.0	3456.9	2657.4	1829.2	1116.1	630.0	396.5	239.8	252.6	259.0
72.5°	3840.7	3731.9	3271.4	2523.1	1723.7	1039.3	575.6	348.6	201.5	223.9	230.2
75°	3437.7	3335.4	2919.7	2267.3	1544.6	924.2	505.3	284.6	159.9	191.9	195.1
77.5°	2878.1	2814.1	2459.2	1925.1	1291.9	767.5	409.3	207.9	124.7	153.5	159.9
80°	2184.2	2139.4	1867.6	1471.0	969.0	569.2	278.2	131.1	92.7	115.1	118.3
82.5°	1397.5	1375.1	1196.0	937.0	578.8	326.2	137.5	60.8	51.2	70.4	73.6
85°	550.0	521.3	441.3	329.4	188.7	89.5	28.8	16.0	19.2	12.8	9.6
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)