

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: P553779

Luminaire Tested: **LXS-VA3-830-U-ASC-A**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553779  
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-VA3-830-U-ASC-A  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
80 CRI, 3000K LEDS AND TYPE II OPTIC, ARM MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6072 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

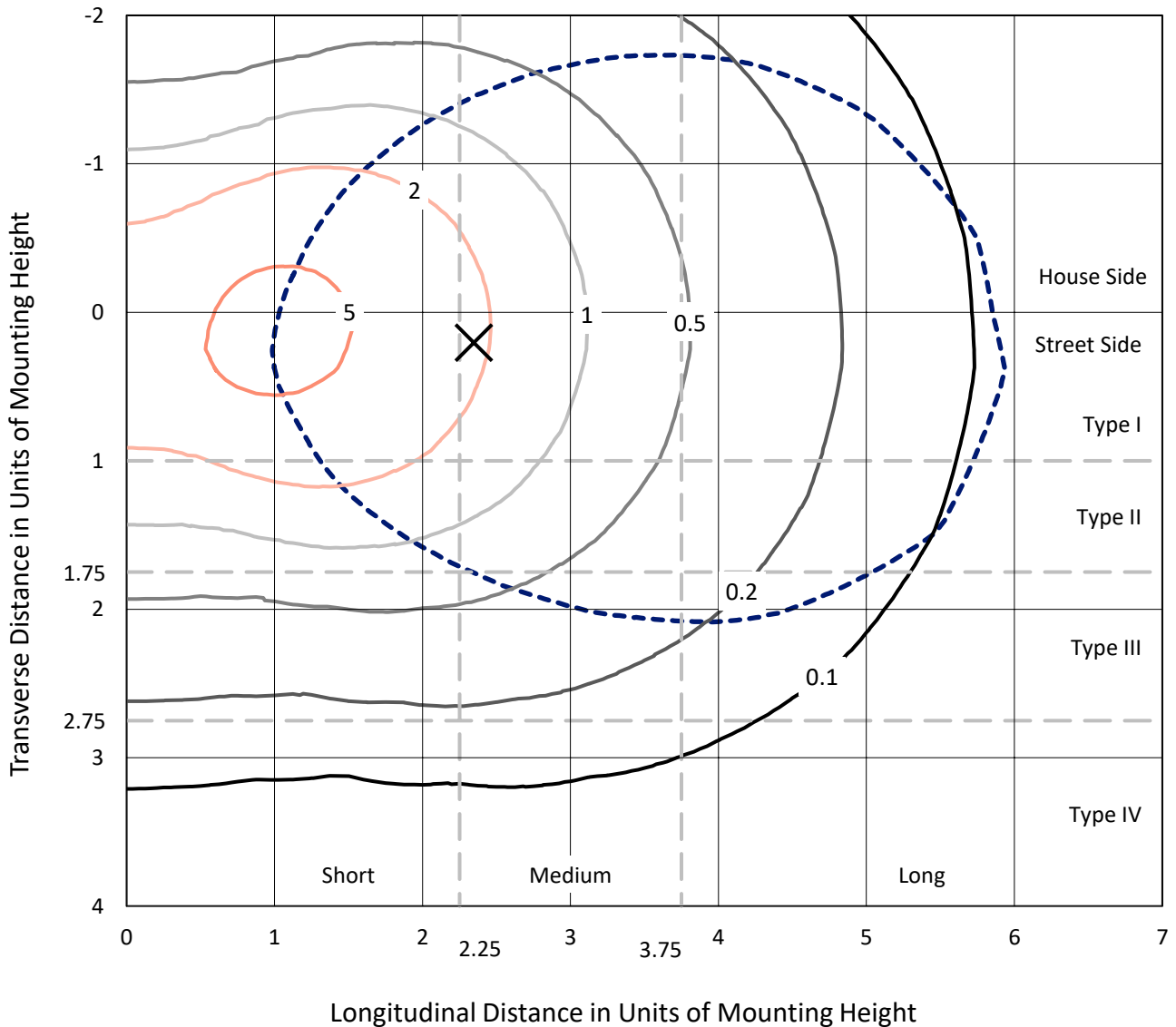
Input Watts (W): 99  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

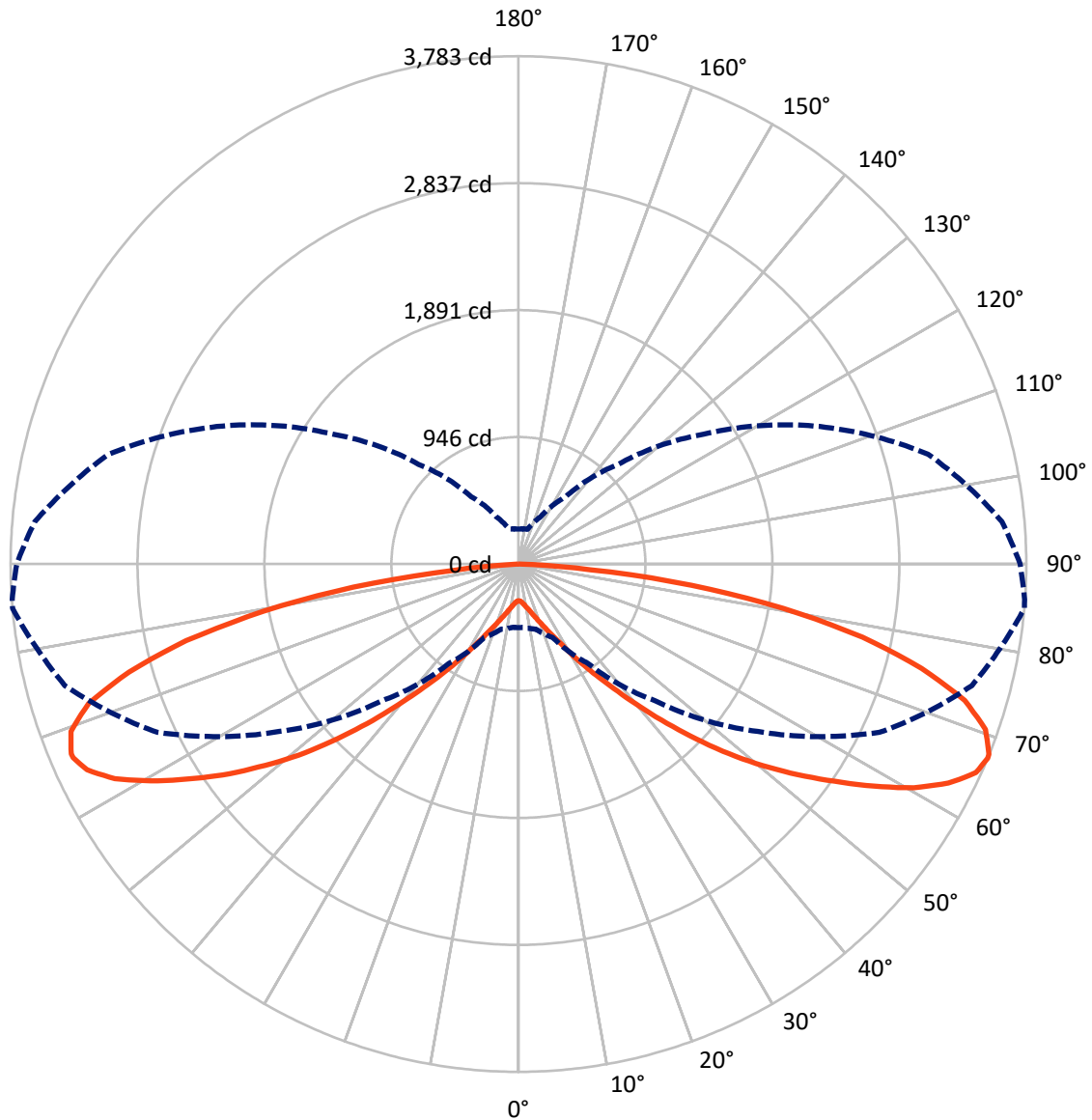
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 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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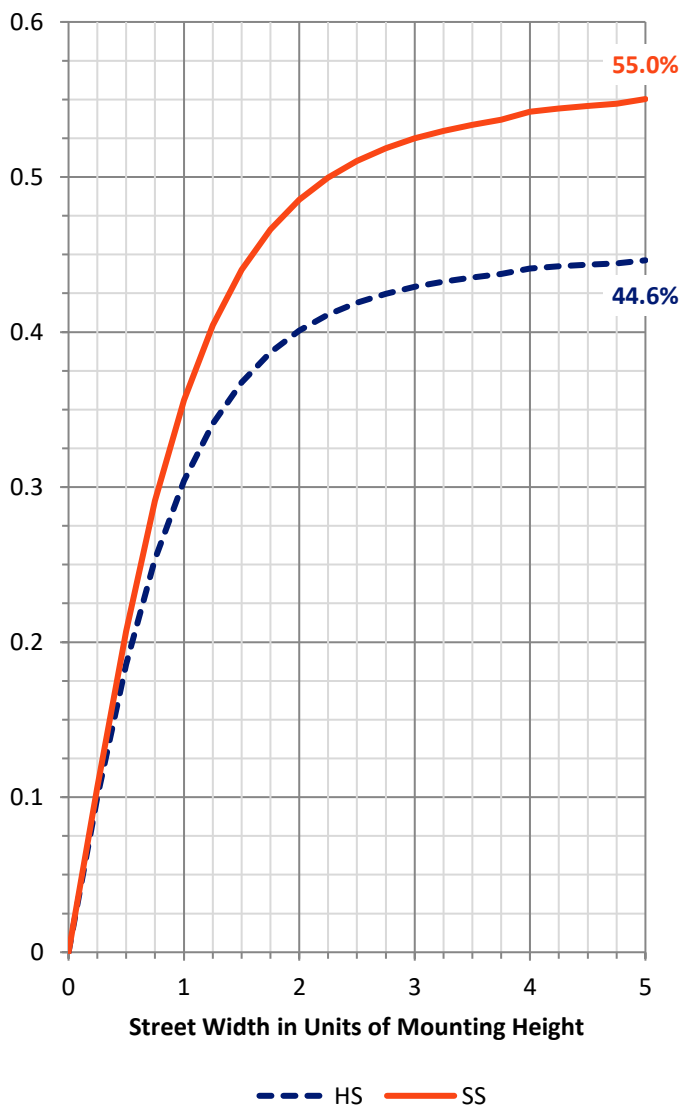
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2717.2	0.0	2717.2
	% Fixture	44.7	0.0	44.7
<b>Street Side</b>	Lumens	3354.8	0.0	3354.8
	% Fixture	55.3	0.0	55.3
<b>Total</b>	Lumens	6072.0	0.0	6072.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	28.0	0.5
10°-20°	99.3	1.6
20°-30°	216.6	3.6
30°-40°	426.4	7.0
40°-50°	771.1	12.7
50°-60°	1231.6	20.3
60°-70°	1616.3	26.6
70°-80°	1364.7	22.5
80°-90°	318.1	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°	6072.0	100.0
0°-180°	6072.0	100.0

**Coefficient of Utilization**



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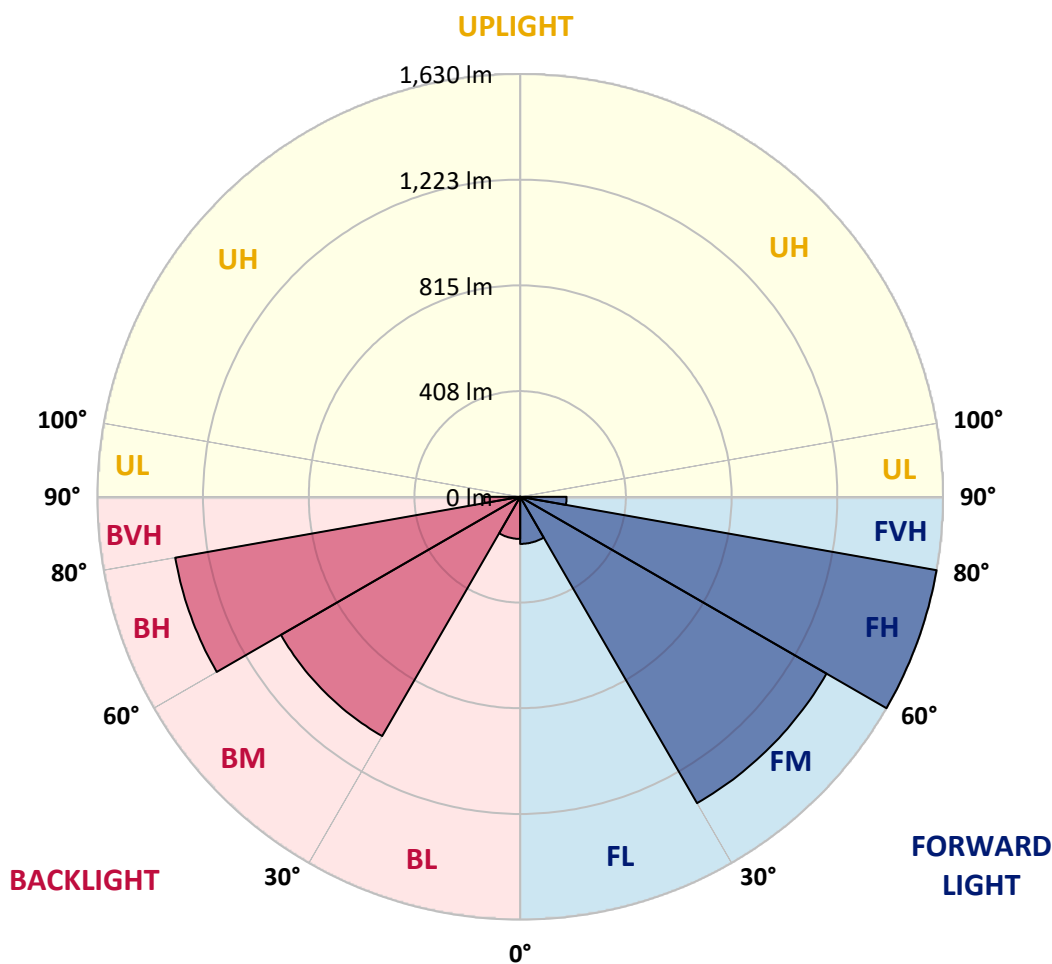
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	181.5	3.0			
FM	(30°-60°)	1363.9	22.5			
FH	(60°-80°)	1630.4	26.9			G1/1800
FVH	(80°-90°)	179.0	2.9			G2/225
BL	(0°-30°)	162.3	2.7	B1/500		
BM	(30°-60°)	1065.2	17.5	B2/2500		
BH	(60°-80°)	1350.6	22.2	B3/2500		G3/2500
BVH	(80°-90°)	139.1	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	86°
0°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0	277.0
5°	282.8	282.8	282.8	285.6	285.6	288.5	288.5	288.5	288.5	288.5	288.5
7.5°	285.6	285.6	288.5	291.4	297.2	300.1	302.9	302.9	302.9	305.8	305.8
10°	288.5	288.5	291.4	297.2	305.8	314.5	320.3	323.1	326.0	326.0	326.0
12.5°	297.2	297.2	300.1	305.8	317.4	328.9	340.5	349.1	352.0	352.0	352.0
15°	311.6	311.6	314.5	323.1	334.7	349.1	363.5	378.0	383.7	383.7	383.7
17.5°	331.8	331.8	334.7	343.3	357.8	378.0	395.3	412.6	421.2	421.2	421.2
20°	357.8	357.8	360.7	372.2	386.6	409.7	435.7	455.9	470.3	467.4	467.4
22.5°	372.2	372.2	380.8	398.2	418.4	444.3	484.7	510.7	528.0	522.2	519.3
25°	383.7	383.7	392.4	415.5	453.0	487.6	542.4	577.0	597.2	588.6	585.7
27.5°	398.2	401.0	412.6	435.7	481.8	539.5	600.1	660.7	678.0	669.4	666.5
30°	412.6	412.6	429.9	464.5	516.5	594.4	675.1	773.2	790.6	779.0	767.5
32.5°	435.7	435.7	450.1	490.5	562.6	652.1	773.2	877.1	908.8	903.1	897.3
35°	470.3	470.3	484.7	522.2	608.8	721.3	880.0	998.3	1056.0	1038.7	1035.8
37.5°	481.8	484.7	504.9	556.8	649.2	807.9	989.6	1139.7	1223.3	1203.1	1194.5
40°	490.5	493.4	513.6	577.0	692.5	882.9	1099.3	1304.1	1405.1	1396.4	1379.1
42.5°	496.3	499.1	522.2	588.6	735.7	946.4	1214.7	1483.0	1615.7	1621.5	1610.0
45°	496.3	499.1	530.9	603.0	767.5	1012.7	1333.0	1664.8	1846.5	1861.0	1846.5
47.5°	496.3	499.1	530.9	617.4	793.4	1082.0	1454.2	1829.2	2068.7	2112.0	2091.8
50°	513.6	516.5	545.3	631.9	836.7	1162.7	1578.2	1999.5	2288.0	2360.1	2342.8
52.5°	513.6	519.3	551.1	646.3	877.1	1237.8	1699.4	2178.3	2504.4	2605.4	2576.5
55°	533.8	536.7	562.6	666.5	911.7	1309.9	1826.3	2354.3	2746.7	2856.4	2841.9
57.5°	539.5	542.4	571.3	675.1	940.6	1390.7	1967.7	2539.0	2997.7	3121.8	3101.6
60°	528.0	530.9	565.5	669.4	960.8	1454.2	2091.8	2723.7	3202.6	3384.4	3364.2
62.5°	513.6	516.5	548.2	657.8	957.9	1477.2	2172.6	2867.9	3355.5	3595.0	3574.8
65°	496.3	496.3	525.1	634.7	931.9	1468.6	2195.7	2957.4	3462.3	3745.0	3733.5
67°	473.2	473.2	502.0	603.0	903.1	1439.7	2175.5	2966.0	3496.9	3782.5	3779.6
67.5°	464.5	467.4	493.4	597.2	894.4	1428.2	2166.8	2960.2	3499.8	3779.6	3779.6
70°	427.0	429.9	453.0	548.2	839.6	1356.1	2074.5	2870.8	3430.5	3690.2	3698.9
72.5°	383.7	383.7	403.9	490.5	758.8	1252.2	1936.0	2686.1	3234.3	3476.7	3485.3
75°	331.8	331.8	349.1	424.1	657.8	1102.2	1731.1	2406.3	2908.3	3101.6	3130.5
77.5°	274.1	277.0	285.6	346.2	539.5	917.5	1454.2	2031.2	2458.2	2619.8	2634.2
80°	207.7	210.6	216.4	256.8	406.8	689.6	1110.8	1563.8	1889.8	2002.3	2016.8
82.5°	135.6	138.5	141.4	161.6	259.7	447.2	718.4	1027.1	1246.4	1298.4	1312.8
85°	57.7	57.7	60.6	69.2	109.6	181.8	297.2	421.2	522.2	536.7	536.7
87.5°	2.9	2.9	0.0	0.0	2.9	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°	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1	274.1
2.5°	277.0	277.0	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9	279.9
5°	288.5	288.5	288.5	288.5	288.5	285.6	282.8	282.8	279.9	279.9	279.9
7.5°	305.8	305.8	302.9	300.1	294.3	291.4	288.5	288.5	285.6	285.6	285.6
10°	326.0	326.0	323.1	314.5	308.7	305.8	300.1	294.3	291.4	288.5	288.5
12.5°	352.0	352.0	346.2	334.7	328.9	320.3	308.7	300.1	294.3	291.4	291.4
15°	383.7	383.7	372.2	360.7	349.1	331.8	317.4	308.7	300.1	297.2	297.2
17.5°	421.2	418.4	403.9	392.4	372.2	349.1	331.8	320.3	308.7	302.9	300.1
20°	464.5	461.6	441.4	424.1	395.3	369.3	346.2	326.0	308.7	302.9	302.9
22.5°	513.6	510.7	487.6	461.6	421.2	392.4	357.8	331.8	314.5	308.7	308.7
25°	577.0	571.3	536.7	502.0	455.9	415.5	372.2	343.3	323.1	311.6	308.7
27.5°	654.9	646.3	600.1	554.0	496.3	435.7	386.6	349.1	323.1	311.6	308.7
30°	753.0	738.6	678.0	608.8	539.5	464.5	406.8	354.9	328.9	317.4	314.5
32.5°	871.3	851.1	773.2	675.1	585.7	499.1	418.4	366.4	334.7	317.4	317.4
35°	1006.9	978.1	880.0	758.8	637.6	533.8	438.6	375.1	334.7	317.4	314.5
37.5°	1162.7	1125.2	1004.1	856.9	701.1	565.5	458.8	380.8	337.6	323.1	320.3
40°	1347.4	1298.4	1142.5	966.5	779.0	605.9	478.9	392.4	346.2	326.0	323.1
42.5°	1563.8	1503.2	1301.2	1084.8	862.7	654.9	499.1	403.9	346.2	323.1	323.1
45°	1797.5	1728.2	1477.2	1211.8	949.2	706.9	522.2	409.7	349.1	328.9	326.0
47.5°	2045.6	1970.6	1673.4	1350.3	1035.8	753.0	548.2	415.5	354.9	328.9	326.0
50°	2299.5	2218.7	1884.1	1503.2	1131.0	805.0	565.5	424.1	352.0	326.0	323.1
52.5°	2556.3	2455.3	2120.6	1679.2	1240.6	859.8	582.8	429.9	352.0	326.0	323.1
55°	2818.9	2706.3	2357.2	1846.5	1350.3	920.4	605.9	429.9	352.0	323.1	320.3
57.5°	3072.8	2940.0	2582.3	2022.5	1454.2	969.4	623.2	432.8	346.2	314.5	311.6
60°	3318.0	3182.4	2795.8	2184.1	1543.6	1004.1	629.0	429.9	337.6	308.7	305.8
62.5°	3534.4	3404.6	2971.8	2313.9	1615.7	1035.8	629.0	418.4	323.1	297.2	294.3
65°	3684.4	3560.4	3107.4	2403.4	1667.7	1053.1	623.2	403.9	300.1	279.9	277.0
67°	3736.4	3615.2	3159.3	2432.2	1685.0	1050.2	611.7	386.6	268.3	262.6	259.7
67.5°	3739.2	3618.1	3162.2	2435.1	1685.0	1047.3	605.9	383.7	256.8	256.8	256.8
70°	3672.9	3557.5	3118.9	2397.6	1650.3	1006.9	568.4	357.8	216.4	227.9	233.7
72.5°	3465.2	3367.1	2951.6	2276.4	1555.1	937.7	519.3	314.5	181.8	202.0	207.7
75°	3101.6	3009.3	2634.2	2045.6	1393.6	833.8	455.9	256.8	144.3	173.1	176.0
77.5°	2596.7	2539.0	2218.7	1736.9	1165.6	692.5	369.3	187.5	112.5	138.5	144.3
80°	1970.6	1930.2	1685.0	1327.2	874.2	513.6	251.0	118.3	83.7	103.9	106.8
82.5°	1260.8	1240.6	1079.1	845.4	522.2	294.3	124.1	54.8	46.2	63.5	66.4
85°	496.3	470.3	398.2	297.2	170.2	80.8	26.0	14.4	17.3	11.5	8.7
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)