

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: P553787

Luminaire Tested: **LXS-VA3-830-U-ASW-S**

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553787  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1803-687-16-R2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/13/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: LXS-VA3-830-U-ASW-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
80 CRI, 3000K LEDS AND TYPE III OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6534 lumens  
Efficiency: N/A  
Efficacy: 66.0 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

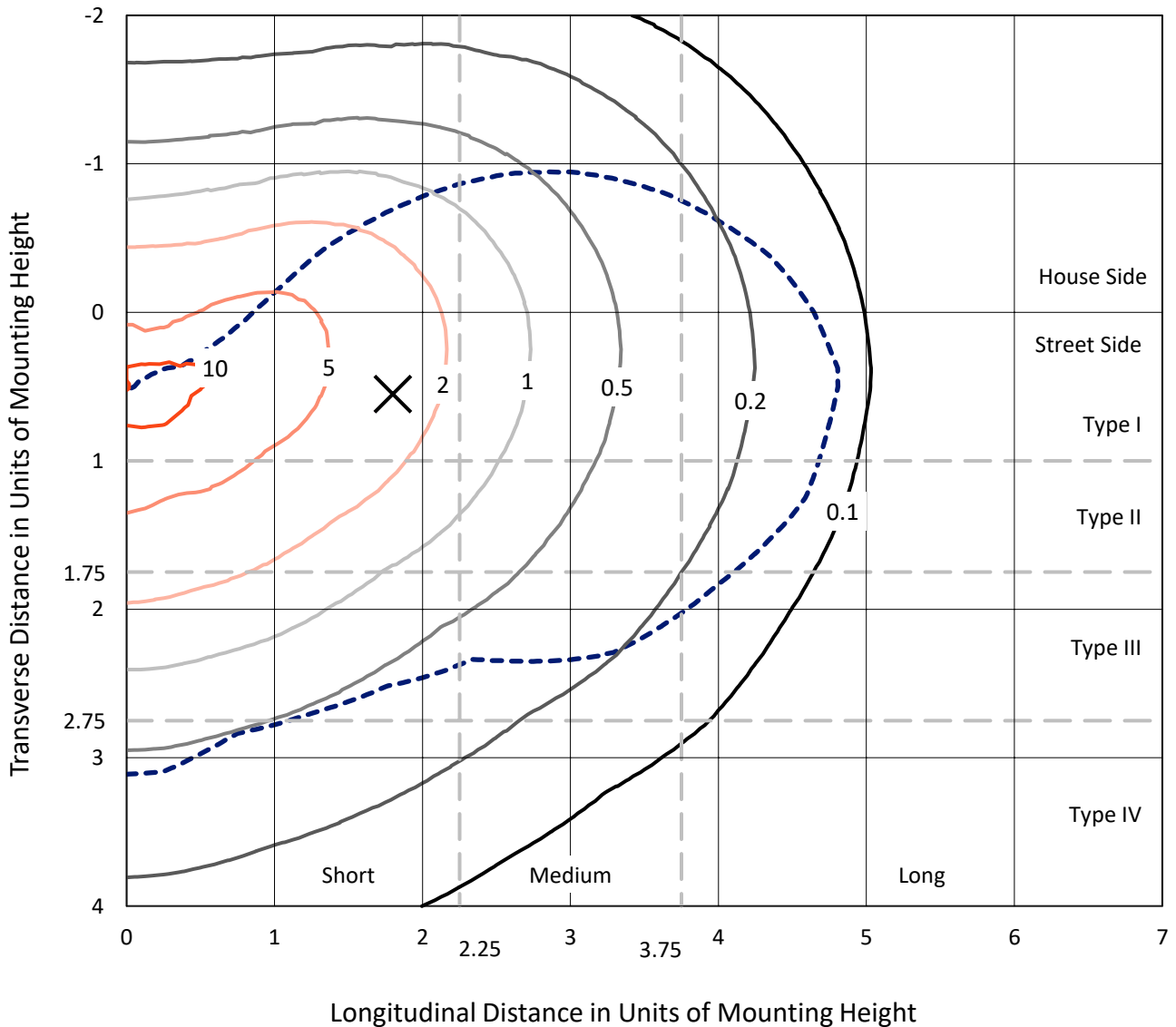
Input Watts (W): 99  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

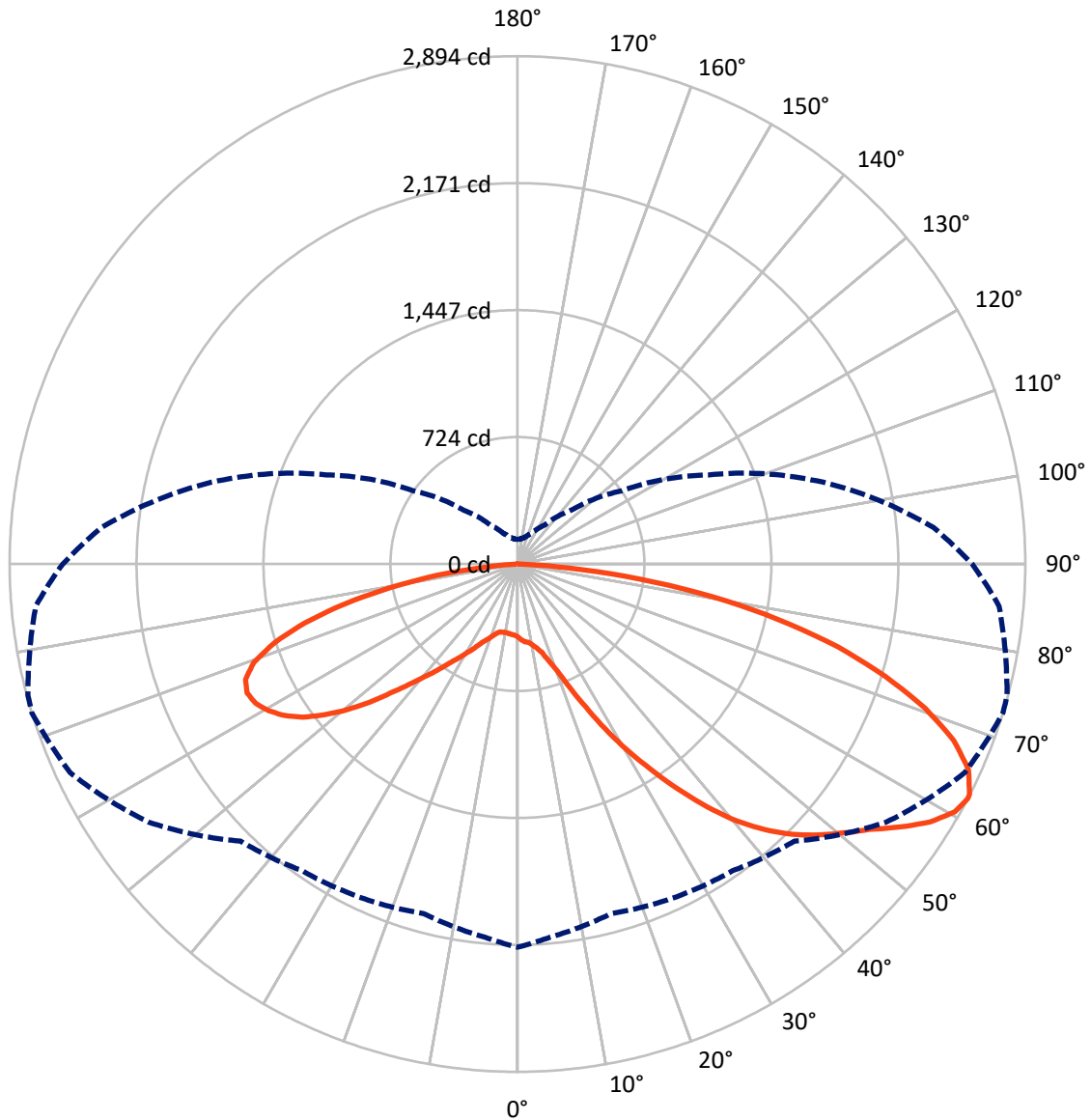
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral    - - - Horizontal Cone Through 62-Deg Vertical

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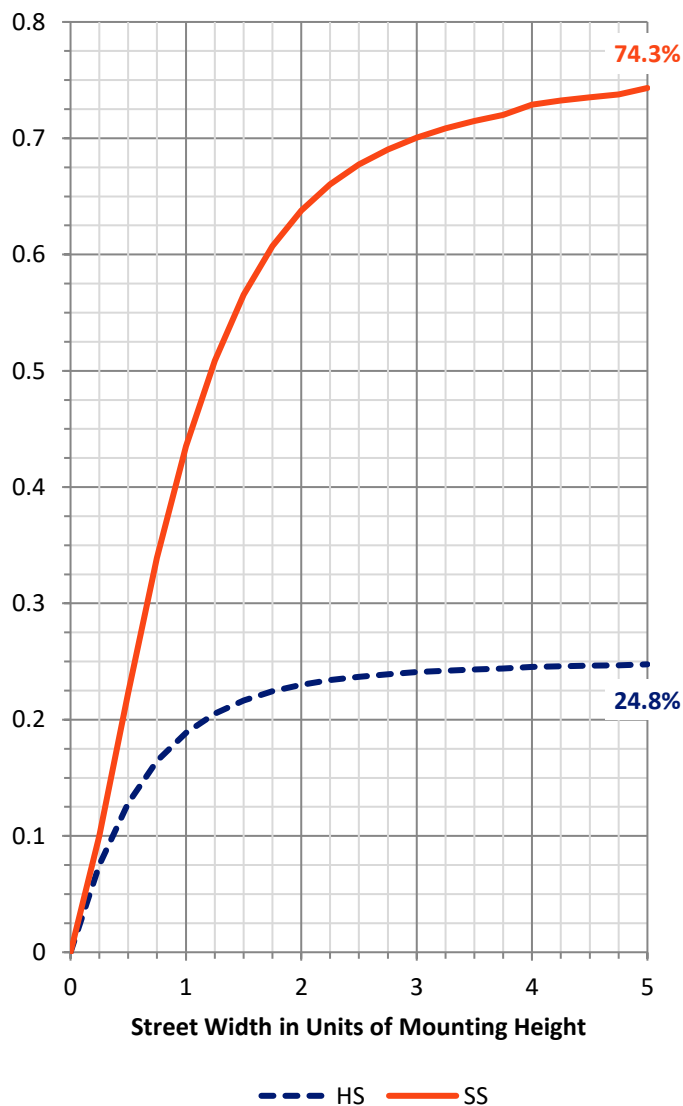
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1629.8	0.0	1629.8
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	4904.2	0.0	4904.2
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	6534.0	0.0	6534.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	41.6	0.6
10°-20°	151.3	2.3
20°-30°	371.1	5.7
30°-40°	695.2	10.6
40°-50°	1044.0	16.0
50°-60°	1409.4	21.6
60°-70°	1510.6	23.1
70°-80°	1064.4	16.3
80°-90°	246.3	3.8
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°	6534.0	100.0
0°-180°	6534.0	100.0

**Coefficient of Utilization**



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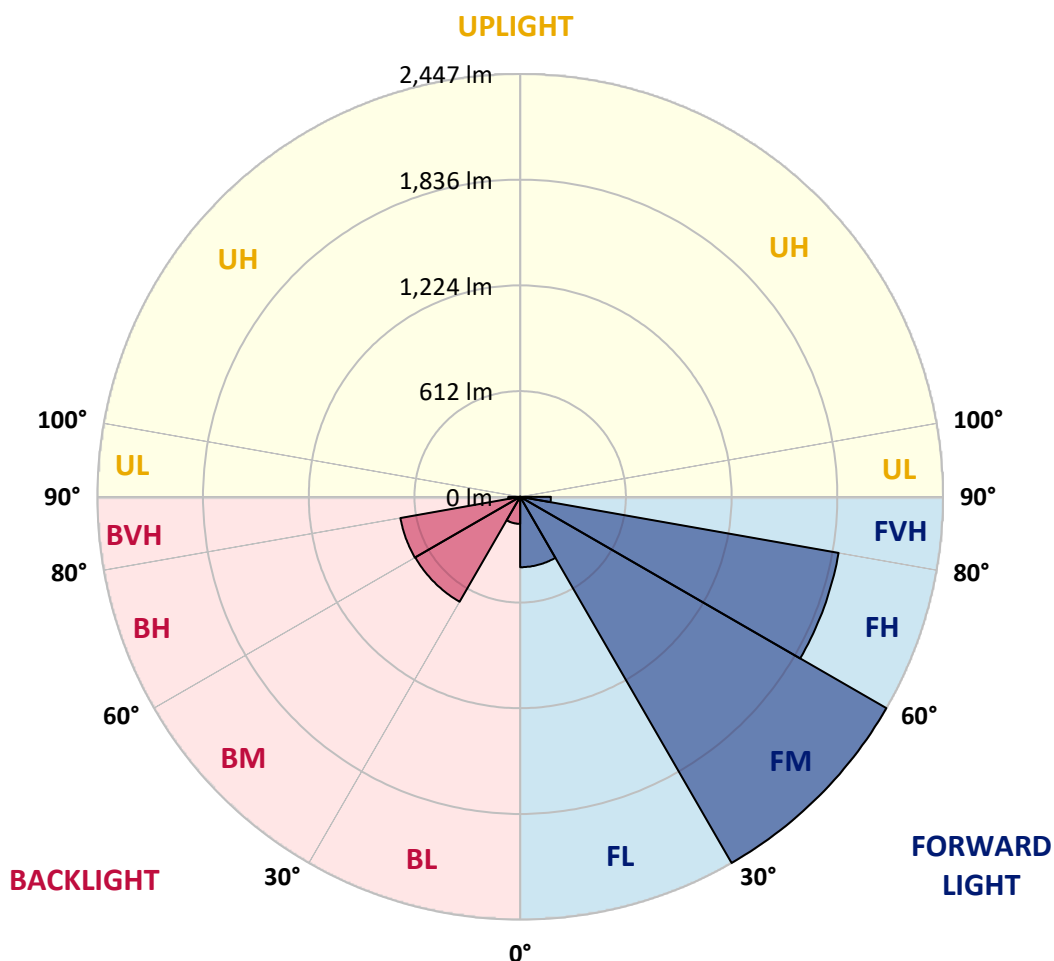
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	407.4	6.2			
FM	(30°-60°)	2447.4	37.5			
FH	(60°-80°)	1871.4	28.6			G2/5000
FVH	(80°-90°)	178.0	2.7			G2/225
BL	(0°-30°)	156.6	2.4	B1/500		
BM	(30°-60°)	701.3	10.7	B1/1000		
BH	(60°-80°)	703.7	10.8	B2/1000		G2/1000
BVH	(80°-90°)	68.3	1.0			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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
0°	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0
2.5°	470.8	468.0	468.0	465.1	459.3	453.5	447.7	439.1	433.3	430.4	421.7
5°	514.2	511.3	508.4	499.7	491.1	479.5	468.0	456.4	444.9	442.0	427.5
7.5°	563.3	560.4	554.6	534.4	514.2	496.8	479.5	465.1	450.6	447.7	430.4
10°	626.8	623.9	609.5	580.6	548.8	522.8	499.7	482.4	468.0	462.2	439.1
12.5°	684.6	681.7	658.6	623.9	595.1	566.2	534.4	511.3	491.1	485.3	453.5
15°	829.0	823.3	800.2	719.3	675.9	638.4	597.9	554.6	522.8	514.2	470.8
17.5°	1120.8	1115.0	1097.7	964.8	852.2	762.6	696.2	632.6	580.6	572.0	514.2
20°	1230.6	1239.2	1271.0	1236.3	1112.1	921.5	814.6	730.8	649.9	635.5	563.3
22.5°	1299.9	1314.3	1377.9	1383.7	1325.9	1135.2	953.3	855.0	762.6	736.6	632.6
25°	1349.0	1372.1	1481.9	1516.5	1461.7	1331.7	1155.5	1025.5	901.3	872.4	725.1
27.5°	1401.0	1424.1	1548.3	1600.3	1565.6	1467.4	1389.4	1210.3	1063.0	1019.7	837.7
30°	1536.8	1545.4	1678.3	1684.1	1649.4	1609.0	1585.9	1386.5	1227.7	1181.5	959.0
32.5°	1759.2	1744.7	1851.6	1814.1	1741.9	1739.0	1733.2	1574.3	1395.2	1349.0	1094.8
35°	1920.9	1923.8	2019.2	1935.4	1863.2	1843.0	1860.3	1753.4	1574.3	1519.4	1253.7
37.5°	2001.8	2010.5	2094.3	2048.0	1970.1	1938.3	1978.7	1912.3	1756.3	1698.5	1415.4
40°	2071.2	2079.8	2120.3	2111.6	2059.6	2010.5	2076.9	2050.9	1926.7	1877.6	1585.9
42.5°	2094.3	2097.2	2082.7	2140.5	2094.3	2065.4	2152.0	2169.4	2071.2	2036.5	1759.2
45°	2042.3	2062.5	2045.2	2111.6	2114.5	2105.8	2215.6	2267.6	2198.3	2163.6	1926.7
47.5°	2001.8	2010.5	2030.7	2134.7	2134.7	2117.4	2264.7	2342.7	2308.0	2282.0	2071.2
50°	2175.2	2149.2	2079.8	2221.4	2189.6	2178.0	2334.0	2423.6	2409.1	2386.0	2201.1
52.5°	2290.7	2247.4	2114.5	2241.6	2258.9	2267.6	2440.9	2530.5	2513.1	2490.0	2325.4
55°	2492.9	2426.5	2253.1	2287.8	2302.3	2331.1	2553.6	2660.4	2646.0	2617.1	2455.3
57.5°	2452.5	2383.1	2253.1	2296.5	2299.4	2342.7	2622.9	2773.1	2773.1	2750.0	2594.0
60°	2328.2	2258.9	2163.6	2209.8	2227.1	2302.3	2617.1	2830.9	2865.5	2848.2	2712.4
62°	2183.8	2134.7	2062.5	2100.0	2134.7	2232.9	2565.1	2813.5	2894.4	2888.6	2755.8
62.5°	2149.2	2102.9	2033.6	2071.2	2105.8	2212.7	2547.8	2802.0	2891.5	2891.5	2758.7
65°	1975.8	1949.8	1874.7	1923.8	1955.6	2068.3	2423.6	2703.8	2825.1	2845.3	2747.1
67.5°	1756.3	1767.9	1707.2	1750.5	1782.3	1892.1	2250.3	2536.2	2680.7	2715.3	2660.4
70°	1594.5	1585.9	1531.0	1559.9	1600.3	1707.2	2048.0	2316.7	2466.9	2507.3	2484.2
72.5°	1421.2	1418.3	1340.3	1354.8	1401.0	1505.0	1814.1	2045.2	2192.5	2238.7	2256.0
75°	1239.2	1221.9	1143.9	1143.9	1181.5	1271.0	1557.0	1736.1	1886.3	1912.3	1949.8
77.5°	1039.9	1025.5	938.8	950.4	964.8	1042.8	1265.2	1395.2	1519.4	1545.4	1574.3
80°	820.4	811.7	727.9	725.1	733.7	788.6	976.4	1034.1	1126.6	1143.9	1178.6
82.5°	574.8	563.3	499.7	488.2	488.2	522.8	644.2	670.2	701.9	713.5	727.9
85°	277.3	271.5	242.6	242.6	231.1	245.5	286.0	286.0	291.8	277.3	300.4
87.5°	8.7	8.7	8.7	8.7	5.8	5.8	5.8	5.8	5.8	5.8	2.9
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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0	416.0
2.5°	418.9	413.1	407.3	401.5	398.6	395.7	392.9	390.0	390.0	387.1	387.1
5°	418.9	413.1	404.4	395.7	387.1	381.3	378.4	372.6	369.7	366.9	369.7
7.5°	421.7	413.1	401.5	390.0	378.4	369.7	361.1	355.3	352.4	349.5	349.5
10°	427.5	416.0	398.6	384.2	372.6	358.2	349.5	340.9	338.0	335.1	335.1
12.5°	436.2	421.7	401.5	381.3	364.0	352.4	340.9	332.2	326.4	320.6	320.6
15°	450.6	430.4	404.4	381.3	361.1	346.6	332.2	320.6	309.1	306.2	306.2
17.5°	485.3	459.3	421.7	387.1	364.0	343.7	323.5	306.2	297.5	291.8	291.8
20°	528.6	496.8	447.7	398.6	366.9	338.0	317.8	297.5	286.0	280.2	280.2
22.5°	577.7	543.1	476.6	413.1	372.6	338.0	312.0	288.9	271.5	262.9	262.9
25°	652.8	597.9	508.4	433.3	381.3	338.0	306.2	280.2	260.0	251.3	251.3
27.5°	748.2	670.2	554.6	462.2	390.0	338.0	300.4	271.5	251.3	242.6	239.8
30°	849.3	753.9	600.8	491.1	401.5	338.0	294.6	260.0	236.9	228.2	228.2
32.5°	967.7	852.2	658.6	520.0	416.0	340.9	288.9	248.4	225.3	216.6	216.6
35°	1094.8	964.8	719.3	548.8	430.4	340.9	280.2	239.8	216.6	205.1	205.1
37.5°	1247.9	1083.2	800.2	586.4	444.9	340.9	277.3	236.9	210.9	199.3	196.4
40°	1412.5	1224.8	883.9	626.8	462.2	349.5	277.3	234.0	208.0	196.4	193.5
42.5°	1574.3	1383.7	985.0	675.9	491.1	361.1	280.2	234.0	205.1	190.7	187.8
45°	1733.2	1542.5	1100.6	748.2	522.8	369.7	280.2	231.1	199.3	184.9	182.0
47.5°	1889.2	1701.4	1236.3	829.0	551.7	381.3	280.2	228.2	193.5	179.1	179.1
50°	2036.5	1854.5	1372.1	904.1	580.6	392.9	283.1	222.4	187.8	173.3	173.3
52.5°	2172.3	1993.2	1499.2	982.1	615.3	404.4	283.1	219.5	182.0	167.5	167.5
55°	2296.5	2111.6	1614.8	1054.4	649.9	416.0	283.1	213.8	176.2	161.8	161.8
57.5°	2417.8	2221.4	1701.4	1117.9	681.7	427.5	283.1	208.0	170.4	156.0	153.1
60°	2530.5	2322.5	1765.0	1169.9	710.6	433.3	277.3	199.3	161.8	147.3	147.3
62°	2591.1	2380.2	1802.5	1201.7	727.9	433.3	271.5	193.5	156.0	141.5	141.5
62.5°	2599.8	2388.9	1811.2	1207.5	730.8	433.3	268.6	190.7	156.0	141.5	138.7
65°	2599.8	2397.6	1828.5	1221.9	733.7	427.5	260.0	179.1	144.4	130.0	130.0
67.5°	2530.5	2339.8	1802.5	1207.5	719.3	410.2	242.6	164.7	132.9	118.4	118.4
70°	2380.2	2209.8	1715.9	1158.3	684.6	384.2	222.4	150.2	118.4	106.9	104.0
72.5°	2154.9	2004.7	1557.0	1063.0	626.8	346.6	199.3	132.9	104.0	92.4	92.4
75°	1857.4	1733.2	1340.3	927.3	548.8	300.4	167.5	112.7	89.5	80.9	78.0
77.5°	1499.2	1386.5	1071.7	751.0	450.6	248.4	138.7	92.4	75.1	66.4	66.4
80°	1100.6	1008.1	777.0	551.7	338.0	184.9	104.0	72.2	57.8	52.0	52.0
82.5°	664.4	635.5	485.3	343.7	213.8	121.3	72.2	49.1	40.4	37.6	37.6
85°	257.1	225.3	179.1	141.5	98.2	57.8	37.6	28.9	26.0	23.1	20.2
87.5°	2.9	8.7	11.6	14.4	17.3	14.4	11.6	8.7	11.6	11.6	11.6
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)