

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: P553763

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

Issue Date: 7/13/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P553763  
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-VA3-730-U-ASW-S  
Description: LUXESCAPE OUTDOOR ARCHITECTURAL LUMINAIRE  
70 CRI, 3000K LEDS AND TYPE III OPTIC, SPIDER MOUNT  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7242 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Circular (Dia: 1.62' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G2

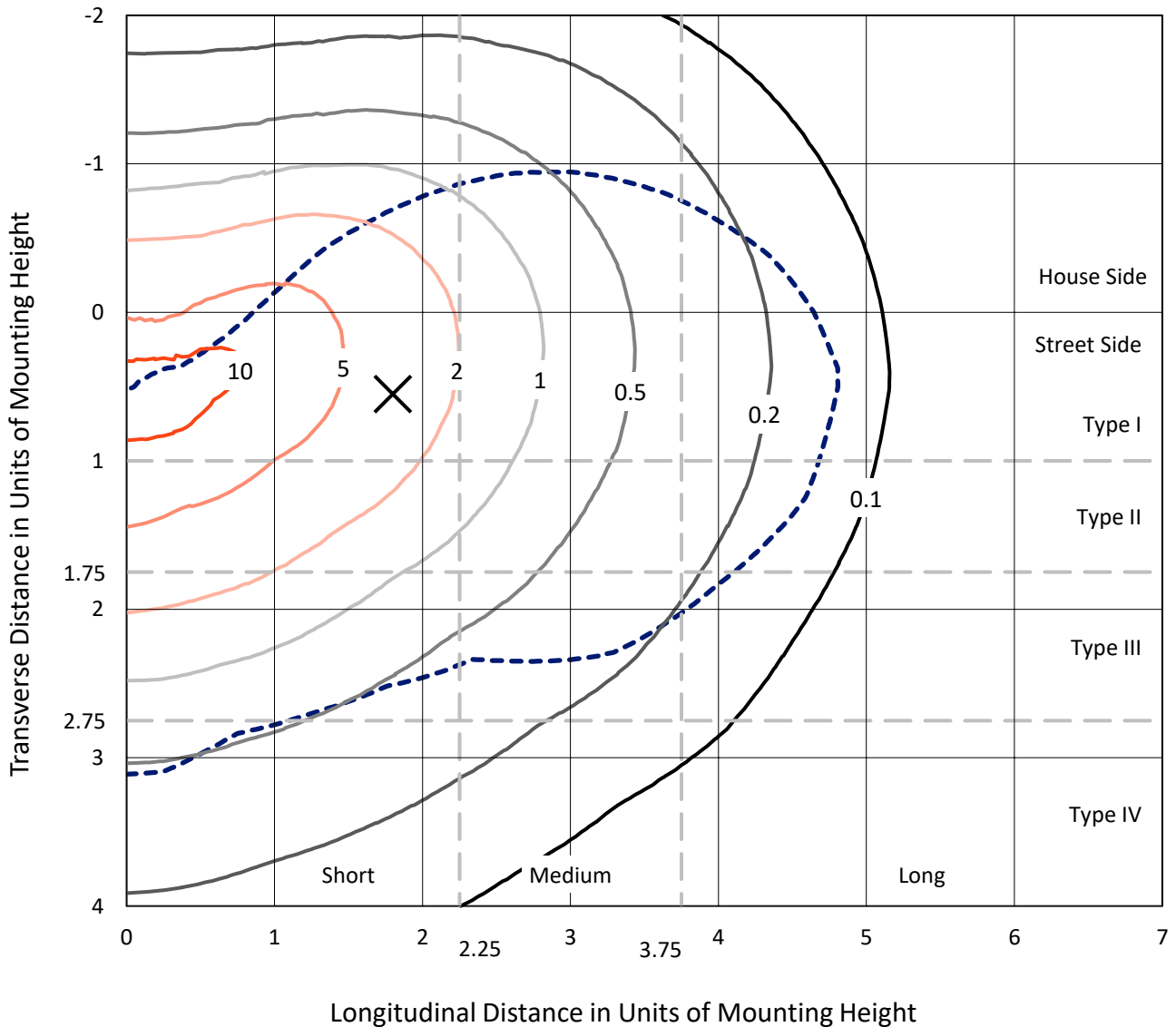
Input Watts (W): 99  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

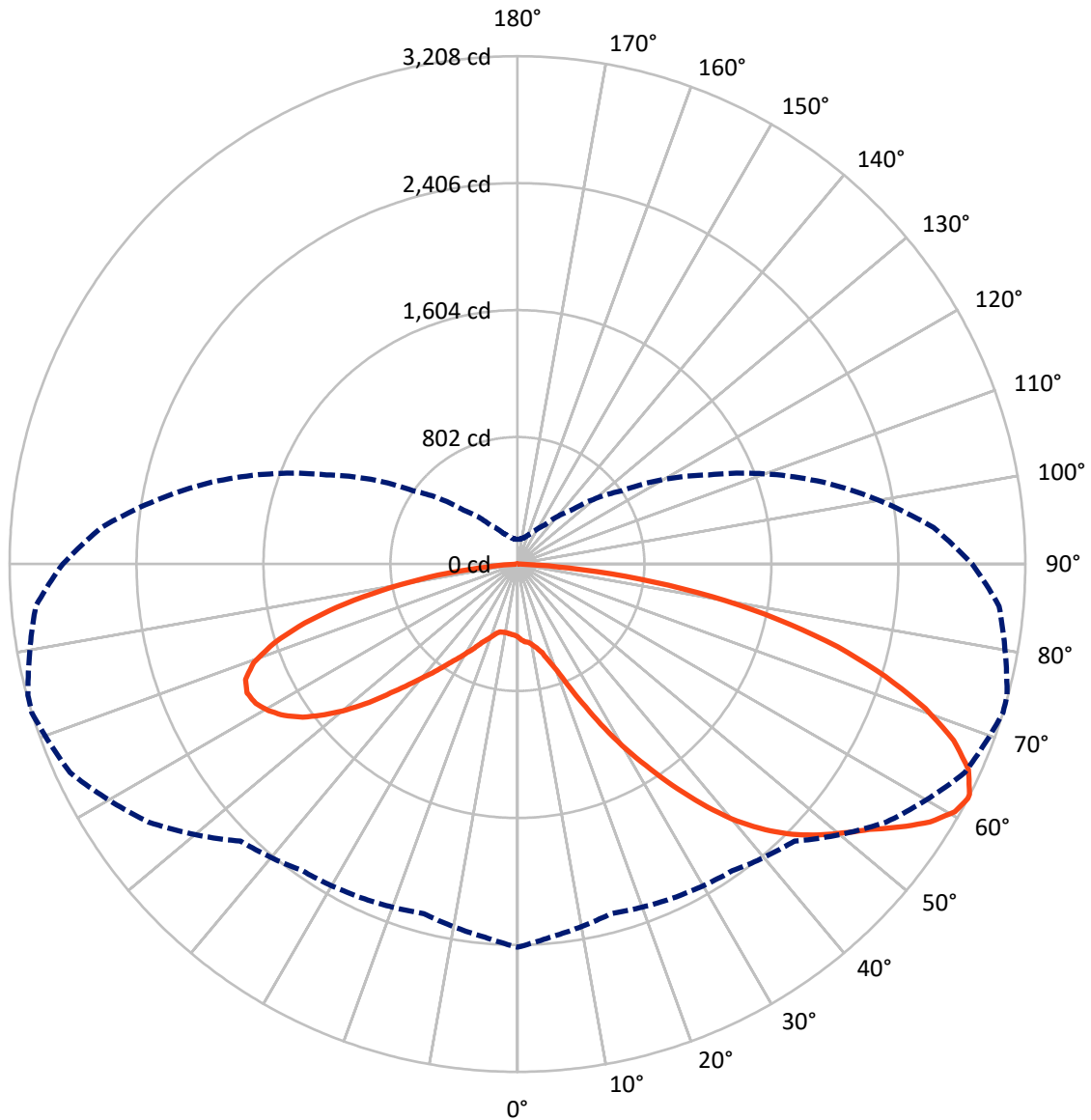
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.2 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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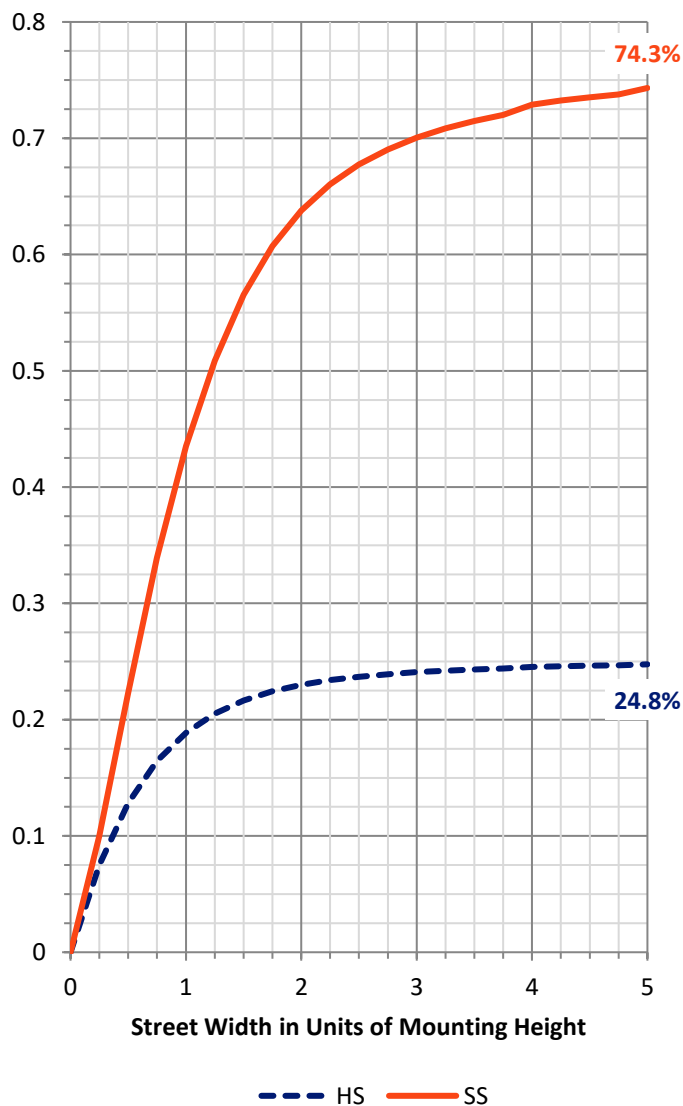
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1806.4	0.0	1806.4
	% Fixture	24.9	0.0	24.9
<b>Street Side</b>	Lumens	5435.6	0.0	5435.6
	% Fixture	75.1	0.0	75.1
<b>Total</b>	Lumens	7242.0	0.0	7242.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.1	0.6
10°-20°	167.7	2.3
20°-30°	411.3	5.7
30°-40°	770.5	10.6
40°-50°	1157.2	16.0
50°-60°	1562.2	21.6
60°-70°	1674.3	23.1
70°-80°	1179.8	16.3
80°-90°	273.0	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°	7242.0	100.0
0°-180°	7242.0	100.0

**Coefficient of Utilization**



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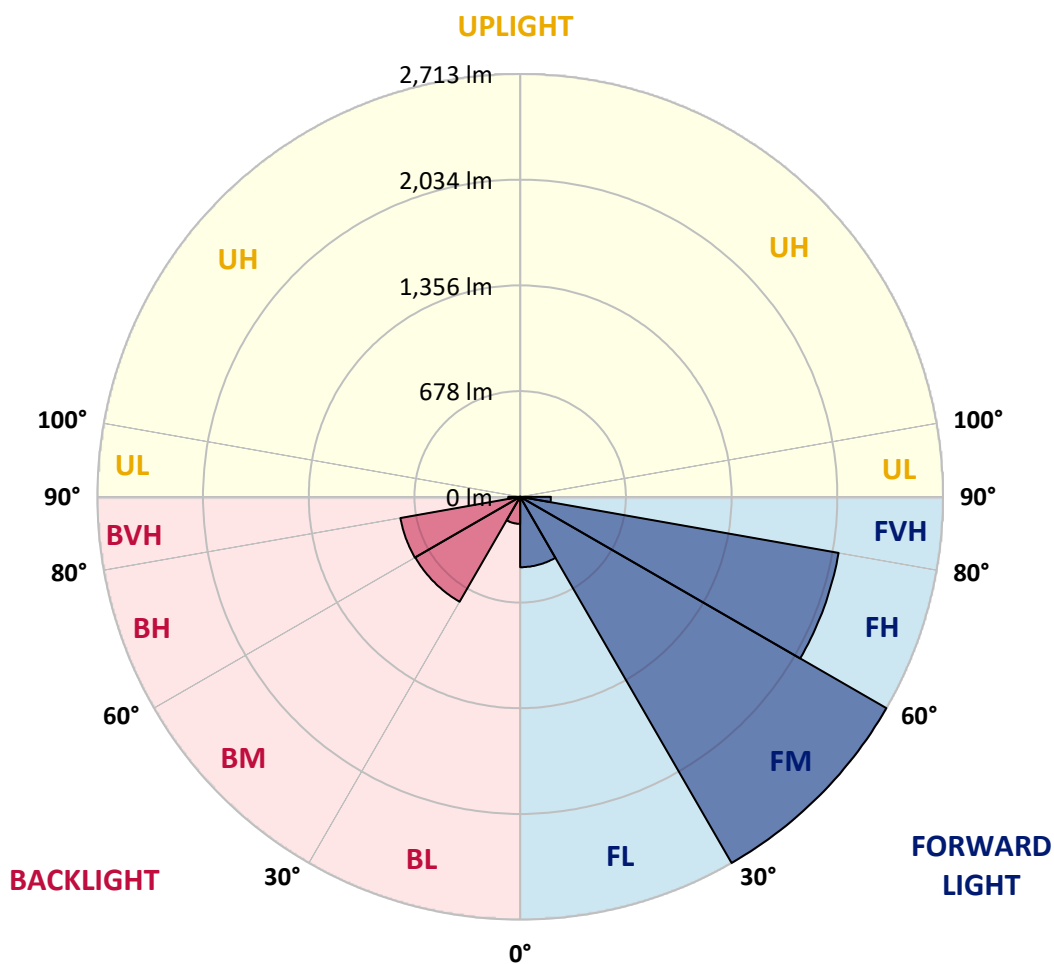
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.5	6.2			
FM	(30°-60°)	2712.6	37.5			
FH	(60°-80°)	2074.1	28.6			G2/5000
FVH	(80°-90°)	197.3	2.7			G2/225
BL	(0°-30°)	173.5	2.4	B1/500		
BM	(30°-60°)	777.2	10.7	B1/1000		
BH	(60°-80°)	780.0	10.8	B2/1000		G2/1000
BVH	(80°-90°)	75.7	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°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	521.9	518.7	518.7	515.5	509.1	502.7	496.3	486.7	480.2	477.0	467.4
5°	569.9	566.7	563.5	553.9	544.3	531.5	518.7	505.9	493.1	489.9	473.8
7.5°	624.3	621.1	614.7	592.3	569.9	550.7	531.5	515.5	499.5	496.3	477.0
10°	694.8	691.6	675.5	643.5	608.3	579.5	553.9	534.7	518.7	512.3	486.7
12.5°	758.8	755.6	730.0	691.6	659.5	627.5	592.3	566.7	544.3	537.9	502.7
15°	918.9	912.5	886.9	797.2	749.2	707.6	662.7	614.7	579.5	569.9	521.9
17.5°	1242.2	1235.8	1216.6	1069.4	944.5	845.2	771.6	701.2	643.5	633.9	569.9
20°	1363.9	1373.5	1408.7	1370.3	1232.6	1021.3	902.9	810.0	720.4	704.4	624.3
22.5°	1440.7	1456.8	1527.2	1533.6	1469.6	1258.2	1056.5	947.7	845.2	816.4	701.2
25°	1495.2	1520.8	1642.4	1680.9	1620.0	1476.0	1280.7	1136.6	998.9	966.9	803.6
27.5°	1552.8	1578.4	1716.1	1773.7	1735.3	1626.4	1540.0	1341.5	1178.2	1130.2	928.5
30°	1703.3	1712.9	1860.2	1866.6	1828.1	1783.3	1757.7	1536.8	1360.7	1309.5	1062.9
32.5°	1949.8	1933.8	2052.3	2010.6	1930.6	1927.4	1921.0	1744.9	1546.4	1495.2	1213.4
35°	2129.1	2132.3	2238.0	2145.1	2065.1	2042.7	2061.9	1943.4	1744.9	1684.1	1389.5
37.5°	2218.7	2228.3	2321.2	2270.0	2183.5	2148.3	2193.1	2119.5	1946.6	1882.6	1568.8
40°	2295.6	2305.2	2350.0	2340.4	2282.8	2228.3	2302.0	2273.2	2135.5	2081.1	1757.7
42.5°	2321.2	2324.4	2308.4	2372.4	2321.2	2289.2	2385.2	2404.4	2295.6	2257.2	1949.8
45°	2263.6	2286.0	2266.8	2340.4	2343.6	2334.0	2455.7	2513.3	2436.5	2398.0	2135.5
47.5°	2218.7	2228.3	2250.8	2366.0	2366.0	2346.8	2510.1	2596.5	2558.1	2529.3	2295.6
50°	2410.8	2382.0	2305.2	2462.1	2426.8	2414.0	2586.9	2686.2	2670.2	2644.6	2439.7
52.5°	2538.9	2490.9	2343.6	2484.5	2503.7	2513.3	2705.4	2804.6	2785.4	2759.8	2577.3
55°	2763.0	2689.4	2497.3	2535.7	2551.7	2583.7	2830.3	2948.7	2932.7	2900.7	2721.4
57.5°	2718.2	2641.4	2497.3	2545.3	2548.5	2596.5	2907.1	3073.6	3073.6	3048.0	2875.1
60°	2580.5	2503.7	2398.0	2449.3	2468.5	2551.7	2900.7	3137.6	3176.0	3156.8	3006.3
62°	2420.4	2366.0	2286.0	2327.6	2366.0	2474.9	2843.1	3118.4	3208.1	3201.6	3054.4
62.5°	2382.0	2330.8	2254.0	2295.6	2334.0	2452.5	2823.9	3105.6	3204.9	3204.9	3057.6
65°	2189.9	2161.1	2077.9	2132.3	2167.5	2292.4	2686.2	2996.7	3131.2	3153.6	3044.8
67.5°	1946.6	1959.4	1892.2	1940.2	1975.4	2097.1	2494.1	2811.0	2971.1	3009.5	2948.7
70°	1767.3	1757.7	1696.9	1728.9	1773.7	1892.2	2270.0	2567.7	2734.2	2779.0	2753.4
72.5°	1575.2	1572.0	1485.6	1501.6	1552.8	1668.1	2010.6	2266.8	2430.1	2481.3	2500.5
75°	1373.5	1354.3	1267.9	1267.9	1309.5	1408.7	1725.7	1924.2	2090.7	2119.5	2161.1
77.5°	1152.6	1136.6	1040.5	1053.3	1069.4	1155.8	1402.3	1546.4	1684.1	1712.9	1744.9
80°	909.3	899.7	806.8	803.6	813.2	874.1	1082.2	1146.2	1248.6	1267.9	1306.3
82.5°	637.1	624.3	553.9	541.1	541.1	579.5	714.0	742.8	778.0	790.8	806.8
85°	307.4	301.0	268.9	268.9	256.1	272.1	317.0	317.0	323.4	307.4	333.0
87.5°	9.6	9.6	9.6	9.6	6.4	6.4	6.4	6.4	6.4	6.4	3.2
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°	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0	461.0
2.5°	464.2	457.8	451.4	445.0	441.8	438.6	435.4	432.2	432.2	429.0	429.0
5°	464.2	457.8	448.2	438.6	429.0	422.6	419.4	413.0	409.8	406.6	409.8
7.5°	467.4	457.8	445.0	432.2	419.4	409.8	400.2	393.8	390.6	387.4	387.4
10°	473.8	461.0	441.8	425.8	413.0	397.0	387.4	377.8	374.6	371.4	371.4
12.5°	483.4	467.4	445.0	422.6	403.4	390.6	377.8	368.2	361.8	355.4	355.4
15°	499.5	477.0	448.2	422.6	400.2	384.2	368.2	355.4	342.6	339.4	339.4
17.5°	537.9	509.1	467.4	429.0	403.4	381.0	358.6	339.4	329.8	323.4	323.4
20°	585.9	550.7	496.3	441.8	406.6	374.6	352.2	329.8	317.0	310.6	310.6
22.5°	640.3	601.9	528.3	457.8	413.0	374.6	345.8	320.2	301.0	291.4	291.4
25°	723.6	662.7	563.5	480.2	422.6	374.6	339.4	310.6	288.1	278.5	278.5
27.5°	829.2	742.8	614.7	512.3	432.2	374.6	333.0	301.0	278.5	268.9	265.7
30°	941.3	835.6	665.9	544.3	445.0	374.6	326.6	288.1	262.5	252.9	252.9
32.5°	1072.6	944.5	730.0	576.3	461.0	377.8	320.2	275.3	249.7	240.1	240.1
35°	1213.4	1069.4	797.2	608.3	477.0	377.8	310.6	265.7	240.1	227.3	227.3
37.5°	1383.1	1200.6	886.9	649.9	493.1	377.8	307.4	262.5	233.7	220.9	217.7
40°	1565.6	1357.5	979.7	694.8	512.3	387.4	307.4	259.3	230.5	217.7	214.5
42.5°	1744.9	1533.6	1091.8	749.2	544.3	400.2	310.6	259.3	227.3	211.3	208.1
45°	1921.0	1709.7	1219.8	829.2	579.5	409.8	310.6	256.1	220.9	204.9	201.7
47.5°	2093.9	1885.8	1370.3	918.9	611.5	422.6	310.6	252.9	214.5	198.5	198.5
50°	2257.2	2055.5	1520.8	1002.1	643.5	435.4	313.8	246.5	208.1	192.1	192.1
52.5°	2407.6	2209.1	1661.7	1088.6	682.0	448.2	313.8	243.3	201.7	185.7	185.7
55°	2545.3	2340.4	1789.7	1168.6	720.4	461.0	313.8	236.9	195.3	179.3	179.3
57.5°	2679.8	2462.1	1885.8	1239.0	755.6	473.8	313.8	230.5	188.9	172.9	169.7
60°	2804.6	2574.1	1956.2	1296.7	787.6	480.2	307.4	220.9	179.3	163.3	163.3
62°	2871.9	2638.2	1997.8	1331.9	806.8	480.2	301.0	214.5	172.9	156.9	156.9
62.5°	2881.5	2647.8	2007.4	1338.3	810.0	480.2	297.8	211.3	172.9	156.9	153.7
65°	2881.5	2657.4	2026.6	1354.3	813.2	473.8	288.1	198.5	160.1	144.1	144.1
67.5°	2804.6	2593.3	1997.8	1338.3	797.2	454.6	268.9	182.5	147.3	131.3	131.3
70°	2638.2	2449.3	1901.8	1283.9	758.8	425.8	246.5	166.5	131.3	118.5	115.3
72.5°	2388.4	2221.9	1725.7	1178.2	694.8	384.2	220.9	147.3	115.3	102.5	102.5
75°	2058.7	1921.0	1485.6	1027.7	608.3	333.0	185.7	124.9	99.3	89.6	86.4
77.5°	1661.7	1536.8	1187.8	832.4	499.5	275.3	153.7	102.5	83.2	73.6	73.6
80°	1219.8	1117.4	861.2	611.5	374.6	204.9	115.3	80.0	64.0	57.6	57.6
82.5°	736.4	704.4	537.9	381.0	236.9	134.5	80.0	54.4	44.8	41.6	41.6
85°	284.9	249.7	198.5	156.9	108.9	64.0	41.6	32.0	28.8	25.6	22.4
87.5°	3.2	9.6	12.8	16.0	19.2	16.0	12.8	9.6	12.8	12.8	12.8
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)