

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: McGRAW-EDISON

Report Number: P595447

Luminaire Tested: **ISW-PA1A-730-U-T3**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595447  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISW-PA1A-730-U-T3  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
(1) 70 CRI, 3000K, 350mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3715 lumens  
Efficiency: N/A  
Efficacy: 129.0 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G1

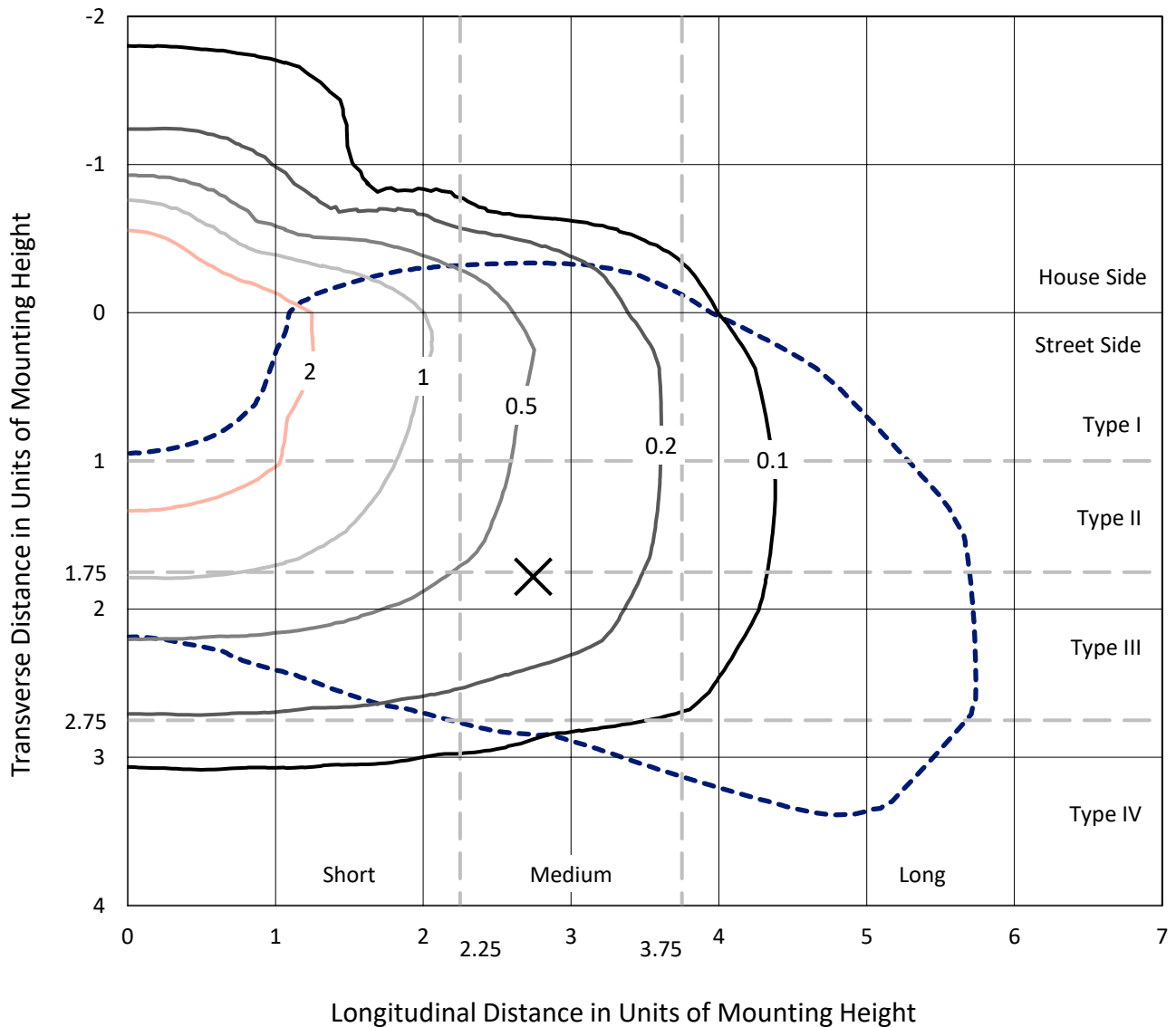
Input Watts (W): 28.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

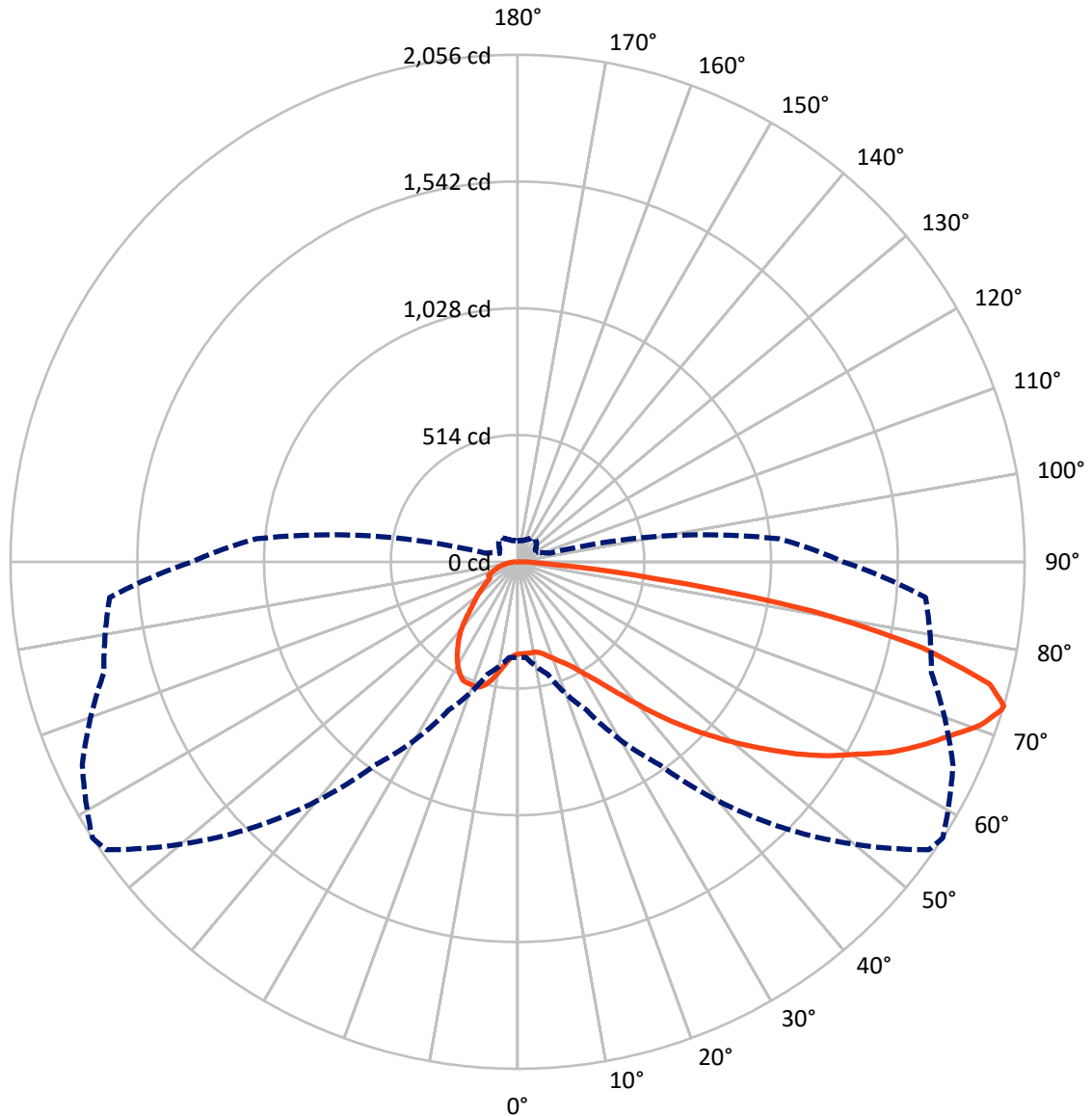
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 3.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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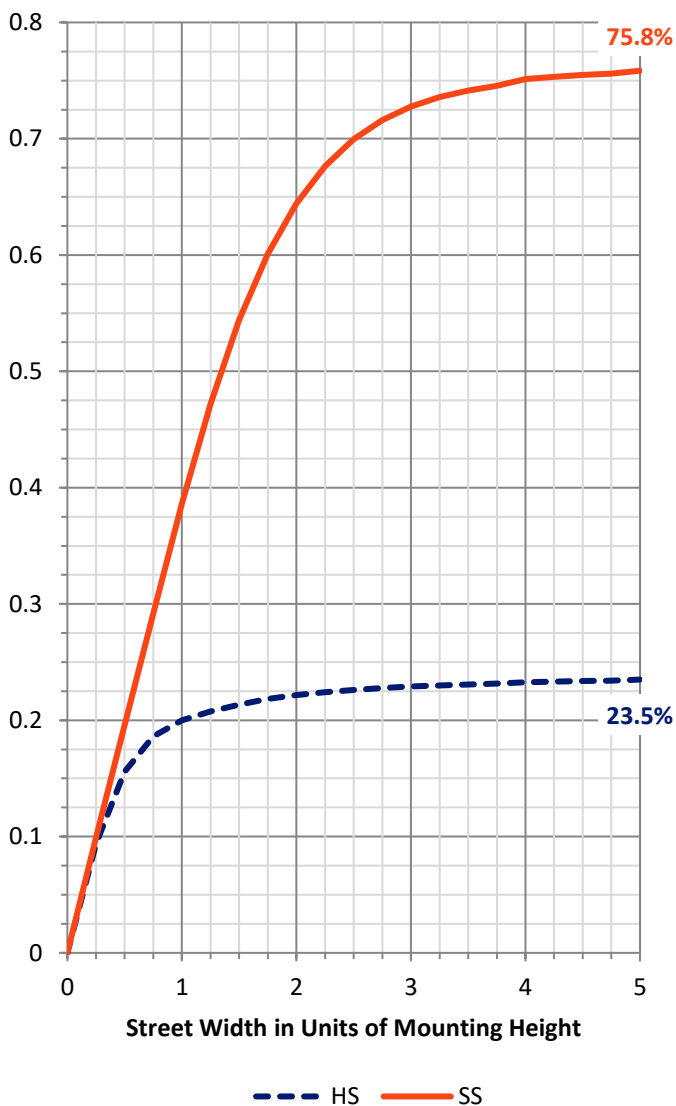
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	886.3	0.0	886.3
	% Fixture	23.9	0.0	23.9
<b>Street Side</b>	Lumens	2828.7	0.0	2828.7
	% Fixture	76.1	0.0	76.1
<b>Total</b>	Lumens	3715.0	0.0	3715.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	37.4	1.0
10°-20°	122.9	3.3
20°-30°	226.9	6.1
30°-40°	350.3	9.4
40°-50°	527.3	14.2
50°-60°	771.8	20.8
60°-70°	911.4	24.5
70°-80°	652.6	17.6
80°-90°	114.3	3.1
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°	3715.0	100.0
0°-180°	3715.0	100.0

**Coefficient of Utilization**

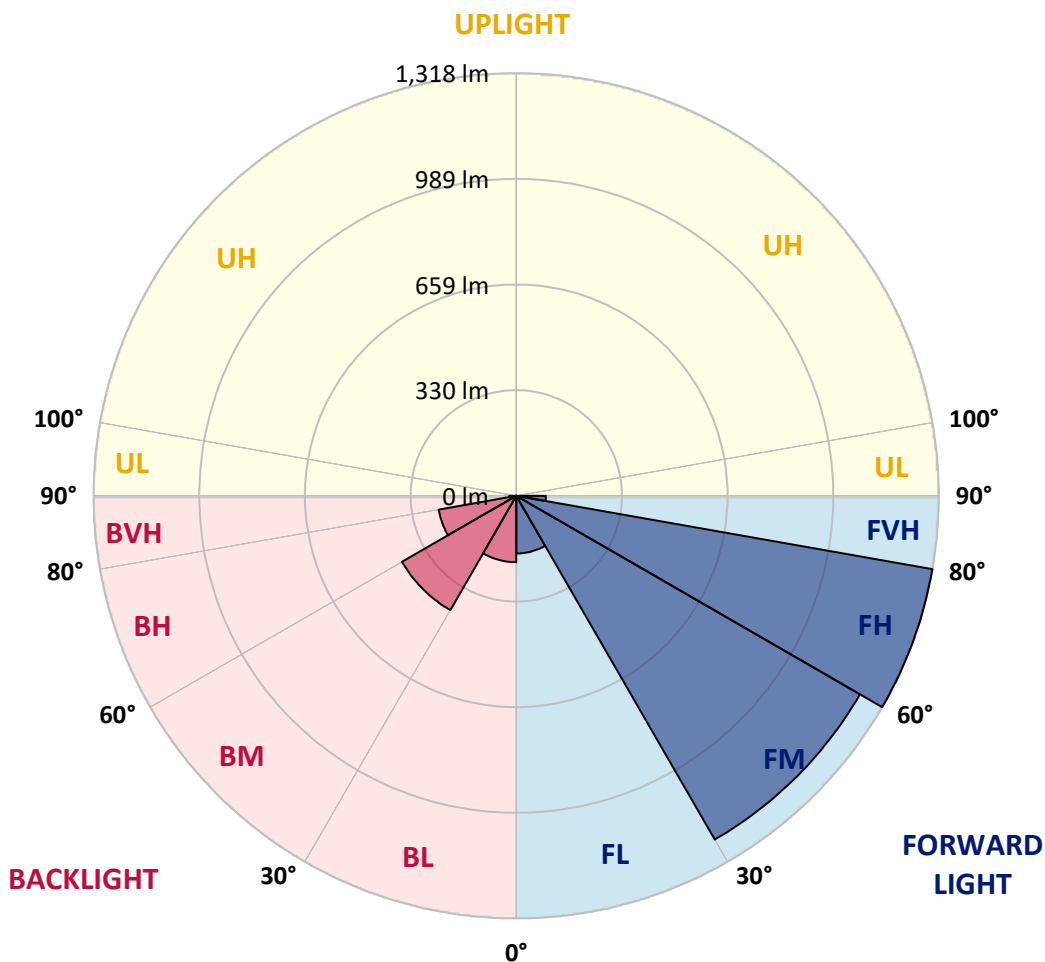


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	180.0	4.8			
FM (30°-60°)	1237.9	33.3			
FH (60°-80°)	1318.3	35.5			G1/1800
FVH (80°-90°)	92.5	2.5			G1/100
BL (0°-30°)	207.1	5.6	B1/500		
BM (30°-60°)	411.6	11.1	B1/1000		
BH (60°-80°)	245.7	6.6	B1/500		G1/500
BVH (80°-90°)	21.8	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3
2.5°	369.7	371.6	370.6	371.6	374.3	372.5	372.5	373.4	374.3	373.4	375.2
5°	354.3	355.2	357.0	360.6	367.0	368.8	373.4	373.4	375.2	377.0	379.8
7.5°	328.8	330.6	334.2	337.9	348.8	359.7	371.6	373.4	379.8	384.3	386.1
10°	324.2	326.0	326.9	332.4	343.3	354.3	368.8	372.5	384.3	391.6	399.8
12.5°	319.6	321.5	324.2	331.5	345.1	357.0	372.5	376.1	390.7	405.3	415.3
15°	323.3	324.2	326.9	334.2	347.9	364.3	384.3	387.0	403.4	421.6	437.1
17.5°	332.4	333.3	332.4	338.8	351.5	370.6	398.0	402.5	422.6	440.8	456.2
20°	353.3	354.3	350.6	350.6	359.7	378.8	412.5	418.9	443.5	463.5	479.0
22.5°	398.9	397.1	387.9	376.1	376.1	391.6	428.9	438.0	469.0	485.4	499.1
25°	463.5	463.5	449.0	427.1	412.5	410.7	448.1	458.1	494.5	514.5	522.7
27.5°	541.9	542.8	519.1	489.9	461.7	448.1	475.4	485.4	526.4	547.3	550.0
30°	611.1	612.0	588.3	561.0	526.4	496.3	511.8	522.7	570.1	586.5	577.4
32.5°	680.3	681.2	664.8	627.5	591.0	553.7	558.2	564.6	612.9	628.4	613.8
35°	740.4	743.1	726.7	698.5	660.2	626.5	618.3	619.3	663.0	673.0	653.9
37.5°	801.4	801.4	791.4	765.0	732.2	694.8	683.9	686.6	725.8	735.8	708.5
40°	878.8	882.4	877.0	844.2	806.9	775.9	765.0	768.6	811.4	805.9	776.8
42.5°	972.6	980.8	971.7	936.2	896.1	861.5	861.5	861.5	897.9	898.8	855.1
45°	1092.8	1092.8	1083.7	1052.7	999.9	965.3	953.5	956.2	988.1	991.7	940.7
47.5°	1193.0	1202.1	1192.1	1169.3	1127.4	1094.6	1057.3	1052.7	1079.2	1079.2	1035.4
50°	1274.0	1290.4	1282.2	1292.2	1262.2	1245.8	1169.3	1156.6	1165.7	1174.8	1126.5
52.5°	1341.4	1354.2	1351.4	1380.6	1395.2	1404.3	1283.1	1263.1	1270.4	1269.5	1225.8
55°	1346.0	1350.5	1391.5	1457.1	1514.5	1557.3	1397.9	1376.0	1368.7	1365.1	1331.4
57.5°	1319.6	1322.3	1404.3	1481.7	1606.4	1655.6	1506.3	1484.4	1474.4	1461.6	1448.0
60°	1255.8	1269.5	1376.9	1496.2	1661.1	1732.1	1607.3	1584.6	1577.3	1550.0	1580.9
62.5°	1174.8	1181.1	1288.6	1466.2	1668.4	1764.9	1713.9	1700.2	1677.5	1638.3	1699.3
65°	1060.0	1059.1	1153.8	1377.9	1631.0	1781.3	1804.0	1796.8	1768.5	1701.1	1805.0
67.5°	870.6	891.6	984.4	1221.2	1540.9	1797.7	1896.0	1886.9	1842.3	1757.6	1855.0
70°	663.9	676.6	782.3	986.3	1361.5	1753.1	1986.2	1988.9	1907.9	1769.4	1833.2
72.5°	423.5	445.3	529.1	718.5	1090.1	1587.3	2039.9	2052.7	1944.3	1753.1	1697.5
73°	387.9	389.8	471.7	664.8	1005.4	1528.1	2036.3	2056.3	1947.9	1736.7	1660.2
75°	231.3	241.3	290.5	441.7	717.6	1227.6	1937.9	1978.0	1928.8	1663.8	1455.3
77.5°	108.4	115.7	143.0	233.1	390.7	738.6	1629.2	1676.6	1709.3	1456.2	1109.2
80°	57.4	58.3	70.1	117.5	209.5	304.2	1135.6	1213.9	1260.4	1096.5	745.8
82.5°	48.3	48.3	54.6	75.6	133.9	118.4	468.1	557.3	683.0	540.0	293.2
85°	39.2	40.1	54.6	56.5	95.6	61.0	112.0	140.2	265.0	238.6	32.8
87.5°	12.7	14.6	31.0	40.1	51.0	23.7	28.2	31.0	31.0	45.5	10.9
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°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3
2.5°	376.1	376.1	377.0	377.9	379.8	379.8	381.6	382.5	384.3	385.2	382.5
5°	379.8	381.6	383.4	388.9	395.2	400.7	406.2	410.7	415.3	418.0	417.1
7.5°	389.8	392.5	399.8	409.8	422.6	430.7	438.9	447.1	450.8	452.6	452.6
10°	403.4	408.9	422.6	438.9	453.5	466.3	472.6	478.1	479.9	481.7	479.9
12.5°	422.6	429.8	450.8	471.7	488.1	494.5	493.6	486.3	476.3	474.5	472.6
15°	447.1	456.2	479.9	504.5	517.3	509.1	488.1	480.8	479.0	484.5	482.7
17.5°	468.1	479.0	508.2	533.7	530.9	502.7	496.3	500.0	498.1	499.1	499.1
20°	488.1	503.6	534.6	551.9	528.2	510.0	504.5	500.0	494.5	496.3	494.5
22.5°	513.6	524.5	560.1	561.0	524.5	510.0	498.1	489.0	487.2	488.1	489.0
25°	533.7	551.0	581.9	554.6	524.5	495.4	479.0	477.2	478.1	483.6	481.7
27.5°	561.0	578.3	599.2	551.0	502.7	471.7	465.4	464.4	458.1	459.9	459.9
30°	586.5	607.4	608.3	551.0	475.4	451.7	442.6	426.2	412.5	415.3	414.4
32.5°	621.1	639.3	610.2	529.1	444.4	425.3	400.7	375.2	368.8	372.5	373.4
35°	661.2	675.7	612.0	492.7	413.4	387.9	343.3	328.8	327.8	330.6	333.3
37.5°	714.0	722.2	625.6	450.8	383.4	329.7	295.1	291.4	283.2	277.8	278.7
40°	778.6	768.6	652.0	413.4	347.9	276.8	262.3	252.3	236.8	221.3	224.0
42.5°	850.6	822.3	660.2	383.4	299.6	244.1	230.4	214.9	195.8	179.4	178.5
45°	928.0	882.4	653.0	359.7	251.3	219.5	204.9	186.7	163.9	150.3	150.3
47.5°	1020.0	939.8	630.2	340.6	217.7	197.6	179.4	161.2	145.7	133.0	133.0
50°	1121.0	1006.3	613.8	306.9	194.0	176.7	158.5	143.9	132.0	122.0	122.0
52.5°	1227.6	1069.1	600.1	257.7	173.0	157.5	144.8	133.0	122.9	110.2	108.4
55°	1336.0	1129.2	606.5	210.4	153.9	143.9	135.7	123.9	120.2	117.5	115.7
57.5°	1448.9	1194.8	622.0	172.1	137.5	136.6	133.0	141.2	149.4	143.9	141.2
60°	1537.2	1245.8	623.8	144.8	127.5	143.9	162.1	164.8	143.0	130.2	129.3
62.5°	1607.3	1294.1	581.0	125.7	130.2	169.4	173.0	145.7	123.9	118.4	118.4
65°	1643.8	1311.4	467.2	114.7	135.7	162.1	156.6	131.1	115.7	114.7	114.7
67.5°	1625.6	1297.7	326.9	102.9	120.2	140.2	140.2	120.2	106.5	111.1	109.3
70°	1538.1	1230.3	215.8	92.9	105.6	126.6	130.2	112.0	99.3	102.0	99.3
72.5°	1356.0	1110.1	142.1	82.0	91.1	112.0	121.1	102.9	91.1	90.2	87.4
73°	1320.5	1064.6	133.9	80.1	88.3	108.4	118.4	101.1	89.2	86.5	84.7
75°	1120.1	887.9	101.1	71.9	78.3	97.4	110.2	94.7	82.0	78.3	76.5
77.5°	816.0	615.6	75.6	61.0	65.6	84.7	97.4	86.5	72.9	68.3	67.4
80°	509.1	335.1	56.5	49.2	51.9	71.0	85.6	77.4	62.8	57.4	56.5
82.5°	199.4	109.3	39.2	36.4	38.2	53.7	71.9	67.4	52.8	48.3	45.5
85°	32.8	37.3	25.5	24.6	24.6	38.2	54.6	51.9	35.5	31.0	27.3
87.5°	9.1	17.3	10.0	9.1	9.1	16.4	30.1	23.7	14.6	11.8	10.9
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)