

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: P526575

Luminaire Tested: **GALN-SA1C-735-U-T2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526575  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1C-735-U-T2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3909 lumens  
Efficiency: N/A  
Efficacy: 68.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

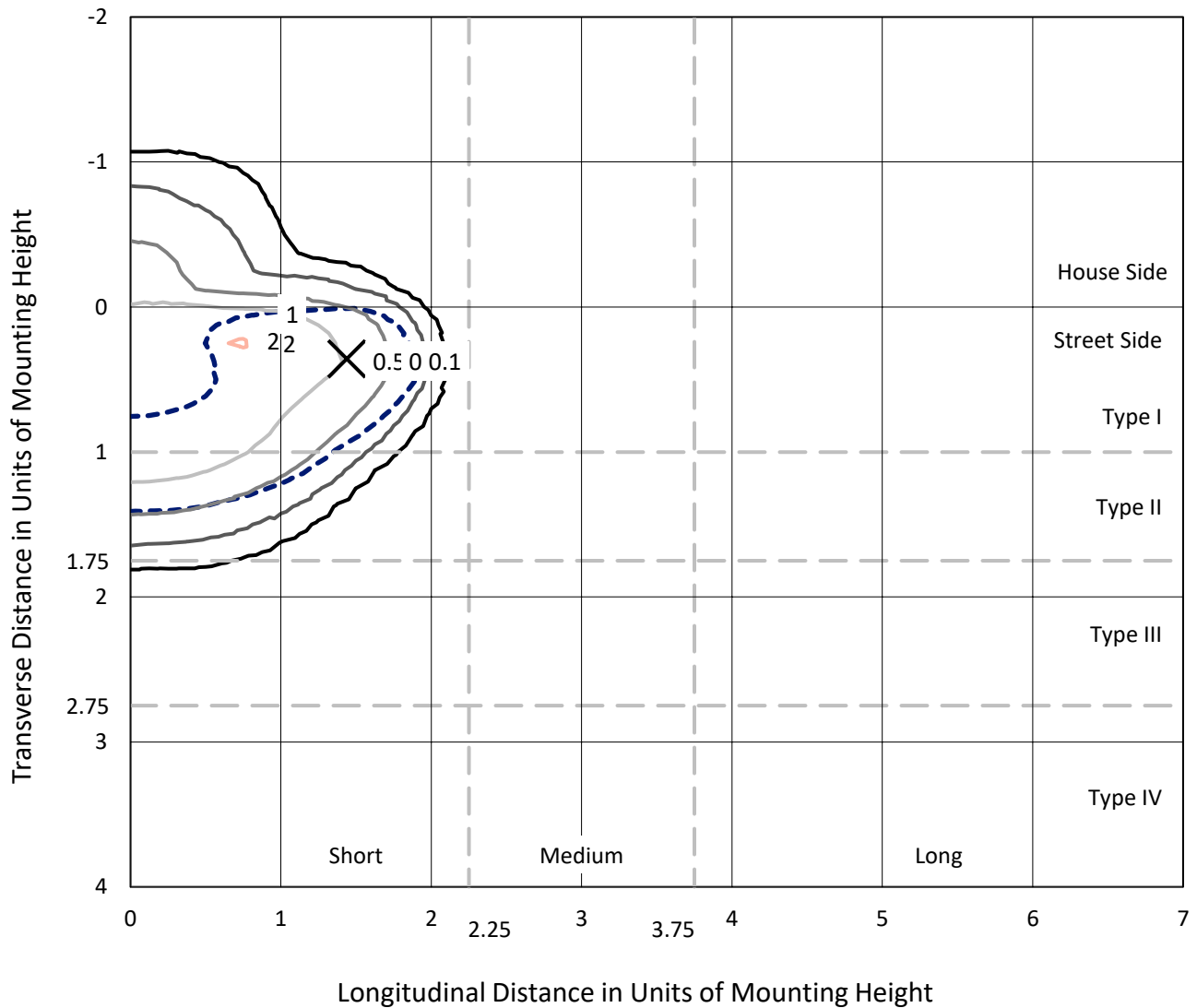
Input Watts (W): 57  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

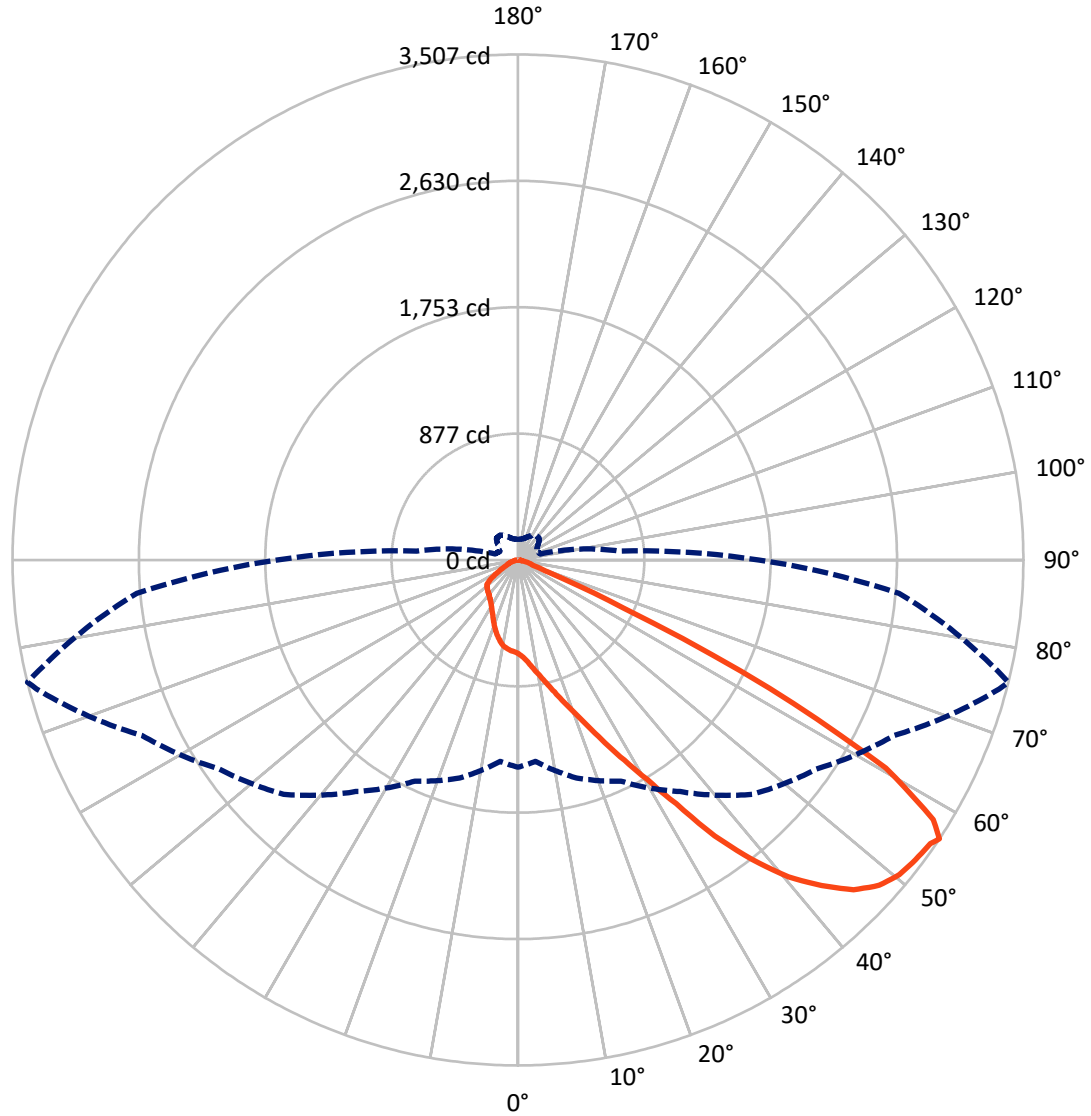
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical



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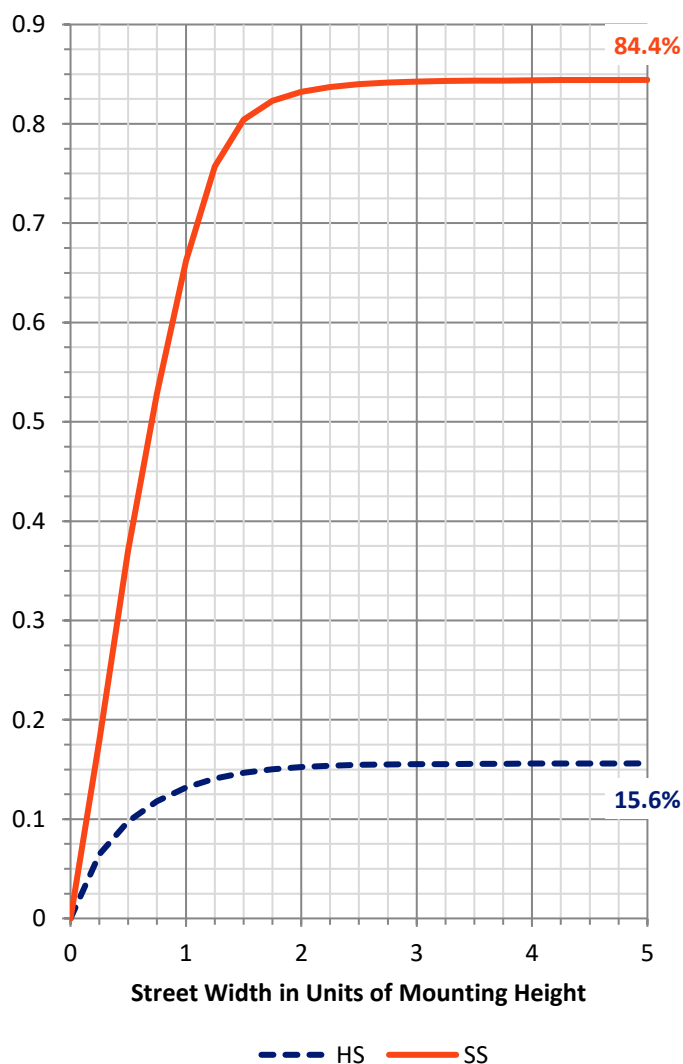
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	614.1	0.0	614.1
	% Fixture	15.7	0.0	15.7
<b>Street Side</b>	Lumens	3294.9	0.0	3294.9
	% Fixture	84.3	0.0	84.3
<b>Total</b>	Lumens	3909.0	0.0	3909.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.5	1.7
10°-20°	210.6	5.4
20°-30°	381.8	9.8
30°-40°	658.5	16.8
40°-50°	1069.7	27.4
50°-60°	1127.5	28.8
60°-70°	344.5	8.8
70°-80°	44.2	1.1
80°-90°	6.7	0.2
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°	3909.0	100.0
0°-180°	3909.0	100.0

**Coefficient of Utilization**

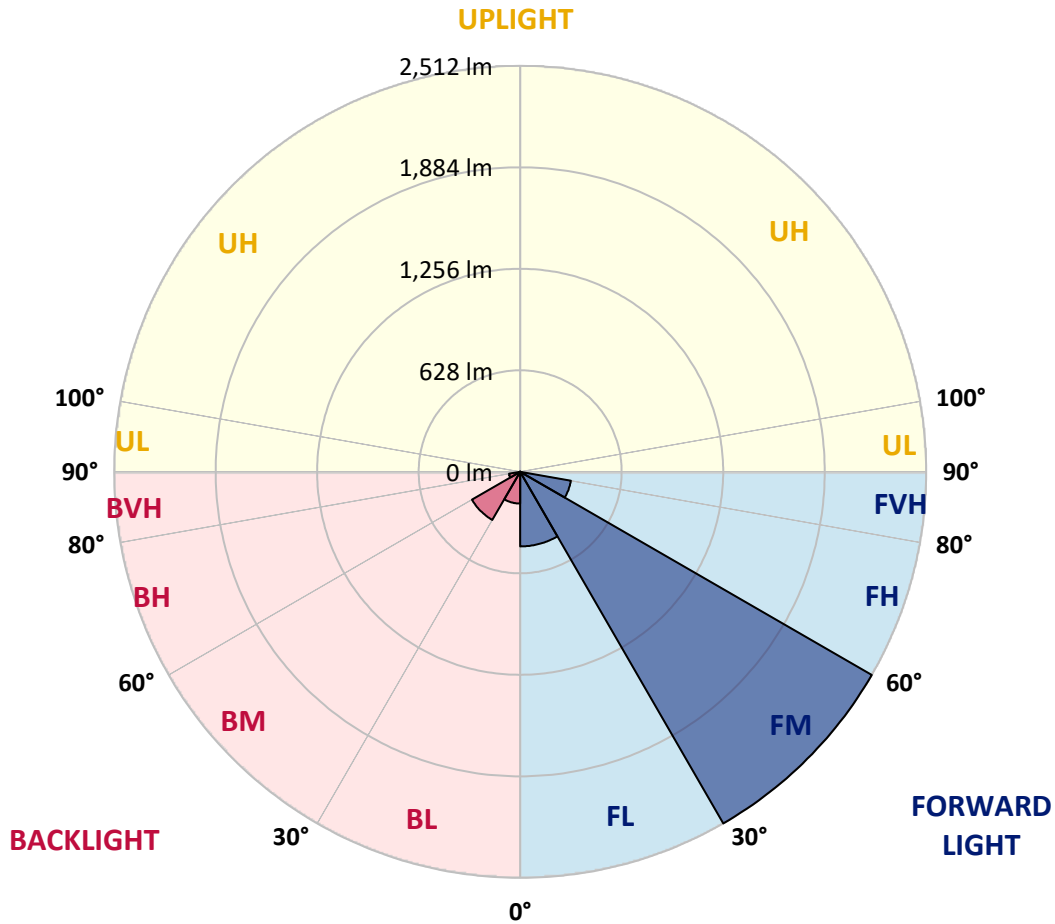


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.5	11.8			
FM (30°-60°)	2511.5	64.2			
FH (60°-80°)	318.6	8.2			G0/660
FVH (80°-90°)	3.3	0.1			G0/10
BL (0°-30°)	196.4	5.0	B1/500		
BM (30°-60°)	344.2	8.8	B1/1000		
BH (60°-80°)	70.1	1.8	B0/110		G0/110
BVH (80°-90°)	3.4	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7
2.5°	749.4	732.1	732.8	731.4	729.2	721.3	697.5	693.9	678.0	673.7	659.3
5°	839.4	824.3	833.0	820.0	807.7	800.5	761.6	743.6	718.4	709.0	688.8
7.5°	895.6	888.4	885.6	886.3	874.8	856.7	839.4	799.8	765.9	758.7	716.2
10°	923.0	918.7	923.0	920.9	925.9	928.1	897.8	874.0	824.3	812.1	745.8
12.5°	929.5	938.2	941.8	951.1	963.4	984.3	982.1	949.7	883.4	875.5	791.2
15°	945.4	952.6	949.0	964.1	987.2	1022.5	1041.2	1036.2	964.8	950.4	843.8
17.5°	959.8	946.8	959.1	989.3	1012.4	1066.4	1111.8	1132.7	1053.4	1036.9	892.0
20°	979.2	975.6	973.5	988.6	1029.7	1101.7	1191.8	1230.0	1152.9	1135.6	961.2
22.5°	1038.3	1039.0	1037.6	1015.3	1044.8	1126.2	1261.7	1356.1	1271.8	1257.4	1039.8
25°	1116.1	1106.8	1099.6	1081.5	1077.9	1148.6	1332.3	1510.3	1414.4	1404.4	1124.8
27.5°	1198.3	1198.3	1176.7	1160.1	1137.0	1204.0	1397.2	1660.2	1586.7	1573.0	1199.0
30°	1287.6	1292.7	1289.8	1254.5	1240.1	1264.6	1463.4	1851.8	1784.1	1766.8	1321.5
32.5°	1419.5	1408.7	1420.9	1391.4	1348.9	1370.5	1567.9	2023.3	2040.6	2016.1	1482.2
35°	1593.9	1587.4	1579.5	1531.2	1480.7	1498.0	1715.6	2234.4	2362.7	2350.4	1644.3
37.5°	1750.2	1746.6	1740.1	1707.0	1648.6	1669.5	1883.5	2454.2	2676.9	2636.5	1873.4
40°	1914.5	1934.0	1913.1	1883.5	1830.2	1876.3	2081.0	2584.6	2941.3	2892.3	2048.5
42.5°	2137.2	2122.0	2131.4	2077.4	2048.5	2099.0	2279.1	2715.0	3146.7	3088.3	2234.4
45°	2374.2	2374.9	2349.7	2332.4	2257.5	2312.3	2400.9	2787.1	3310.2	3264.8	2374.9
47.5°	2526.3	2525.5	2552.9	2580.3	2503.2	2449.2	2483.7	2855.5	3394.5	3373.6	2426.1
50°	2502.5	2509.7	2545.0	2647.3	2687.7	2614.9	2561.6	2835.4	3432.7	3430.6	2470.1
52.5°	2176.8	2200.6	2259.7	2407.4	2610.6	2700.6	2643.0	2872.8	3451.4	3455.0	2535.6
55°	1657.3	1670.2	1782.6	1962.1	2186.9	2495.3	2610.6	2902.4	3465.9	3472.3	2614.9
56°	1437.5	1402.9	1565.0	1692.6	1961.3	2298.6	2528.4	2879.3	3457.2	3506.9	2654.5
57.5°	1085.2	1062.1	1193.2	1352.5	1611.2	1967.1	2273.3	2770.5	3398.8	3398.1	2597.6
60°	660.0	637.0	737.8	831.5	976.3	1211.2	1536.2	2206.3	2873.6	2934.1	2103.3
62.5°	392.7	407.1	506.5	563.5	610.3	634.8	794.8	1311.4	1917.4	1960.6	1304.9
65°	261.6	266.6	341.5	435.2	456.1	363.2	323.5	531.0	831.5	804.9	538.3
67.5°	161.4	172.9	229.1	327.1	362.4	265.2	153.5	198.2	229.1	229.1	155.6
70°	98.0	103.8	152.8	222.7	248.6	170.8	111.7	111.7	110.2	108.1	93.0
72.5°	46.8	50.4	77.8	114.6	116.7	90.1	86.5	94.4	92.2	91.5	77.1
75°	20.2	21.6	27.4	36.0	41.1	38.2	52.6	67.7	69.9	67.7	55.5
77.5°	6.5	7.2	10.1	13.0	13.7	16.6	22.3	28.1	32.4	30.3	27.4
80°	0.7	1.4	2.9	6.5	10.1	13.0	16.6	18.7	20.9	20.9	19.5
82.5°	0.7	0.7	2.9	5.8	9.4	12.2	15.9	18.0	20.9	21.6	20.2
85°	0.0	0.7	2.2	5.0	7.9	7.9	7.2	7.2	5.0	5.0	5.0
87.5°	0.0	0.0	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4
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°	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7	650.7
2.5°	656.4	655.0	635.5	623.3	616.8	603.8	595.9	590.1	585.8	580.8	581.5
5°	665.1	660.0	627.6	605.3	578.6	564.2	551.9	541.9	535.4	533.9	531.0
7.5°	689.6	662.9	613.9	573.6	539.7	525.3	514.5	508.0	510.9	504.4	509.4
10°	708.3	668.7	597.3	539.0	505.1	494.3	488.5	493.6	500.8	497.9	494.3
12.5°	731.4	674.4	570.7	505.8	474.1	466.2	476.3	485.7	500.1	505.8	498.6
15°	757.3	680.9	536.8	467.6	447.5	453.9	471.2	487.8	502.2	509.4	513.8
17.5°	789.0	678.8	503.7	437.4	422.2	441.0	461.9	477.0	498.6	509.4	506.5
20°	818.5	671.6	466.9	407.1	407.8	425.1	442.4	466.9	478.4	492.9	487.8
22.5°	846.6	658.6	428.7	386.2	386.2	412.9	421.5	437.4	447.5	454.7	453.9
25°	886.3	634.1	397.0	366.0	374.7	392.0	399.2	404.2	399.9	405.7	406.4
27.5°	914.4	608.9	371.1	348.0	363.9	376.8	374.7	371.8	361.7	353.8	358.8
30°	944.6	579.3	348.7	335.8	344.4	356.0	347.3	338.7	322.8	309.8	310.6
32.5°	987.9	565.6	329.3	321.4	332.9	334.3	325.0	312.0	296.1	283.9	283.2
35°	1068.6	557.0	312.7	312.0	314.2	314.9	305.5	289.7	283.2	273.1	276.7
37.5°	1149.3	552.7	301.2	298.3	297.6	298.3	287.5	272.4	284.6	283.9	285.3
40°	1252.3	572.1	284.6	281.0	281.7	281.7	268.0	263.7	285.3	287.5	288.2
42.5°	1356.8	596.6	273.8	262.3	265.2	265.2	258.0	252.9	268.0	253.6	251.5
45°	1447.6	632.6	262.3	243.5	250.8	254.4	252.2	243.5	234.2	209.7	209.7
47.5°	1477.1	664.3	248.6	225.5	231.3	247.1	240.7	222.7	206.1	185.9	184.5
50°	1529.0	698.9	237.8	204.6	216.9	236.3	229.9	211.8	193.1	178.7	179.4
52.5°	1582.3	738.6	217.6	180.1	195.3	227.7	227.7	207.5	178.7	168.6	167.2
55°	1662.3	737.1	181.6	147.7	174.4	214.7	218.3	185.9	160.0	152.0	152.0
56°	1673.8	704.0	163.6	138.3	165.0	211.1	211.8	180.1	152.8	144.1	144.1
57.5°	1587.4	635.5	143.4	126.8	153.5	204.6	205.4	175.1	147.0	134.7	133.3
60°	1221.3	430.2	119.6	113.1	139.1	184.5	188.1	159.2	129.0	119.6	118.9
62.5°	689.6	238.5	105.2	102.3	119.6	157.1	167.9	139.1	109.5	104.5	105.9
65°	314.9	131.1	88.6	82.9	96.6	121.1	135.5	114.6	90.1	84.3	84.3
67.5°	115.3	89.3	75.7	65.6	67.7	78.5	87.9	74.2	59.8	51.2	53.3
70°	82.1	74.9	66.3	56.9	52.6	51.2	50.4	41.8	29.5	23.1	24.5
72.5°	66.3	62.0	55.5	48.3	41.1	34.6	29.5	21.6	13.7	9.4	8.6
75°	47.6	45.4	40.4	34.6	28.8	24.5	20.2	13.7	7.2	3.6	3.6
77.5°	24.5	24.5	23.8	21.6	18.0	14.4	11.5	7.9	4.3	1.4	1.4
80°	18.7	20.2	20.9	18.7	16.6	13.0	9.4	5.8	2.9	0.7	0.7
82.5°	18.0	20.9	22.3	19.5	16.6	12.2	9.4	5.8	2.9	0.7	0.7
85°	4.3	4.3	6.5	7.2	9.4	10.1	7.9	5.0	2.2	0.7	0.7
87.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	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)