

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: P526304

Luminaire Tested: **GALN-SA1B-730-U-AFL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526304  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-28)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1B-730-U-AFL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND AUTOMOTIVE  
FRONTLINE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4732 lumens  
Efficiency: N/A  
Efficacy: 107.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

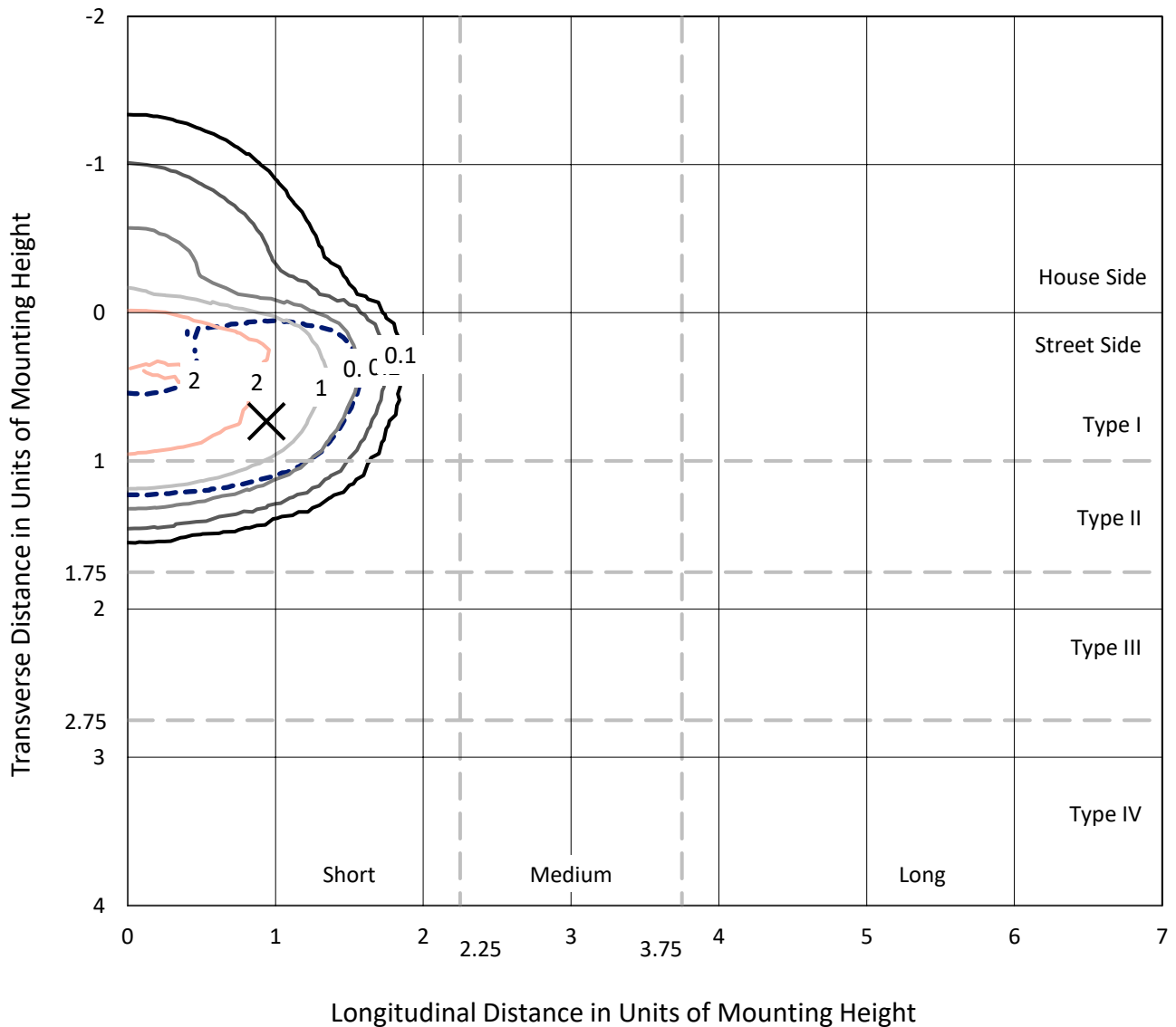
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P526304  
 CATALOG NUMBER: GALN-SA1B-730-U-AFL-GRSWH

### Iso-Footcandle Lines of Horizontal Illumination

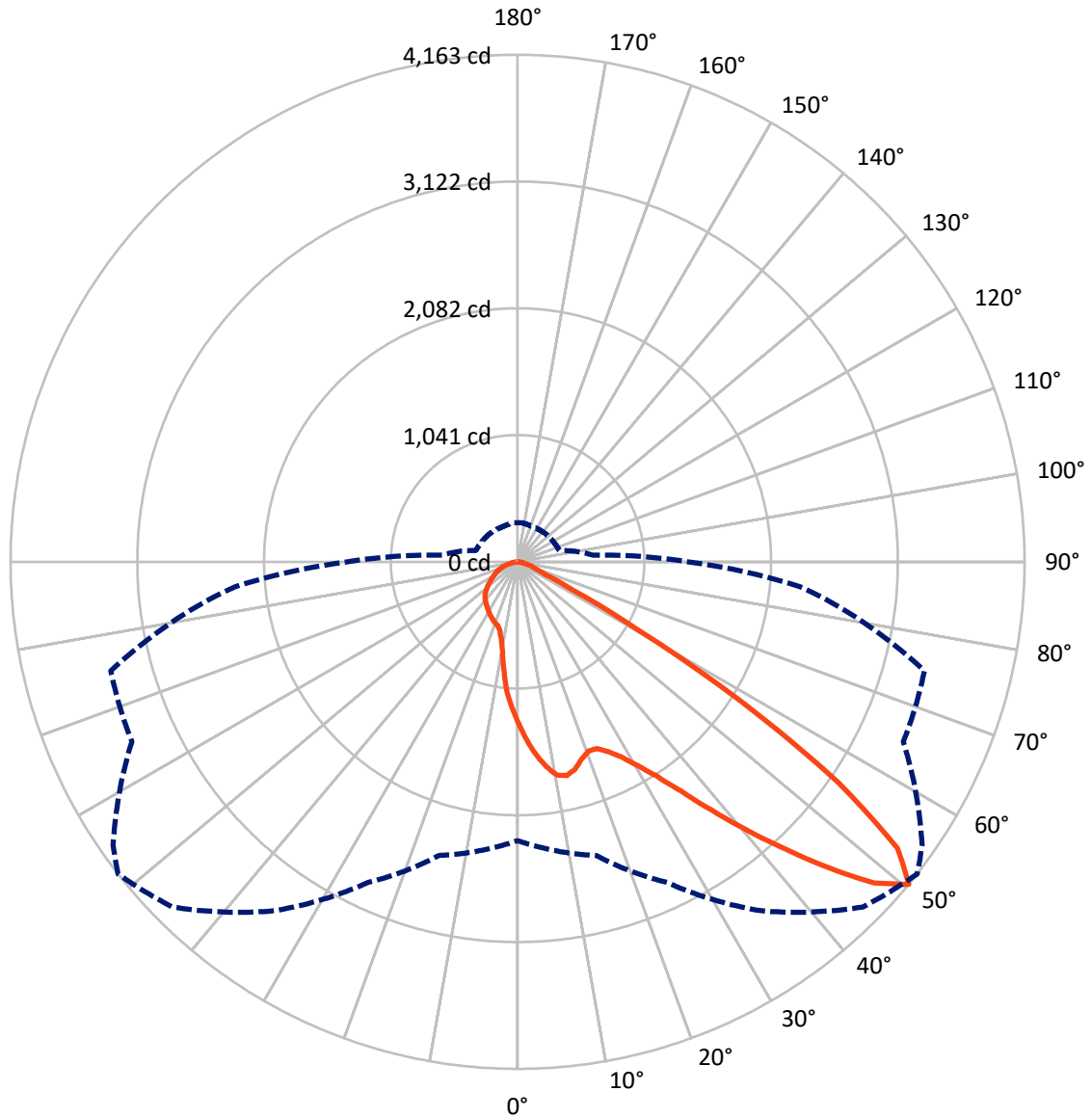
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - N/A

REPORT NUMBER: P526304  
CATALOG NUMBER: GALN-SA1B-730-U-AFL-GRSWH

### Luminous Intensity Polar Plot



— Vertical Plane Through 52-Deg Lateral      - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P526304  
 CATALOG NUMBER: GALN-SA1B-730-U-AFL-GRSWH

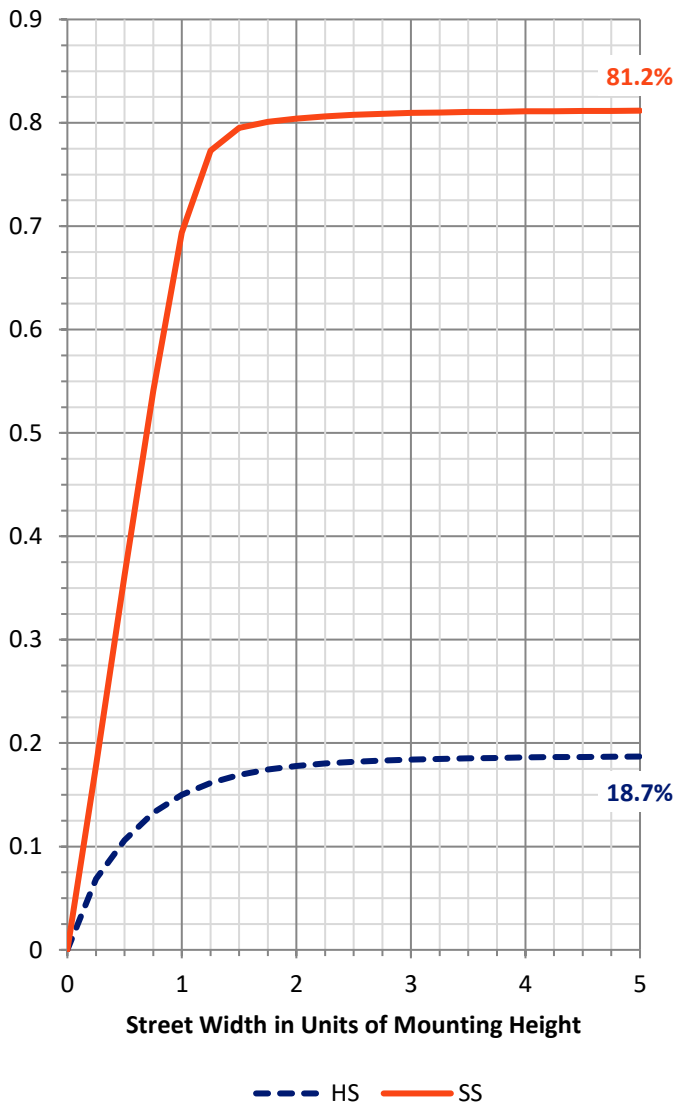
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	889.5	0.0	889.5
	% Fixture	18.8	0.0	18.8
<b>Street Side</b>	Lumens	3842.5	0.0	3842.5
	% Fixture	81.2	0.0	81.2
<b>Total</b>	Lumens	4732.0	0.0	4732.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	122.9	2.6
10°-20°	329.5	7.0
20°-30°	555.1	11.7
30°-40°	931.4	19.7
40°-50°	1424.9	30.1
50°-60°	1038.8	22.0
60°-70°	231.2	4.9
70°-80°	83.4	1.8
80°-90°	14.8	0.3
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°	4732.0	100.0
0°-180°	4732.0	100.0

**Coefficient of Utilization**

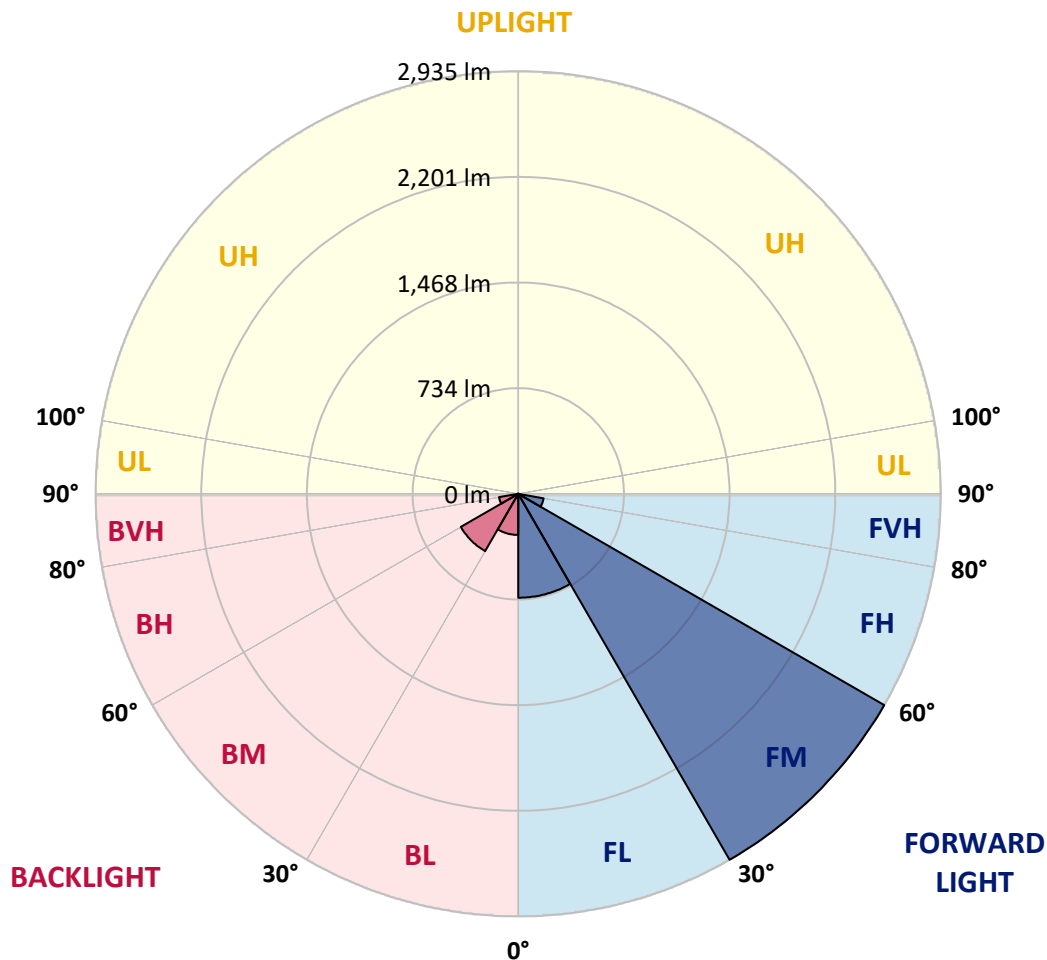


REPORT NUMBER: P526304  
 CATALOG NUMBER: GALN-SA1B-730-U-AFL-GRSWH

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.8	15.3			
FM (30°-60°)	2935.0	62.0			
FH (60°-80°)	179.1	3.8			G0/660
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	285.7	6.0	B1/500		
BM (30°-60°)	460.1	9.7	B1/1000		
BH (60°-80°)	135.5	2.9	B1/500		G1/500
BVH (80°-90°)	8.1	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short





REPORT NUMBER: P526304

CATALOG NUMBER: GALN-SA1B-730-U-AFL-GRSWH

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	52°	55°	65°	75°	85°
0°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9
2.5°	1570.5	1540.3	1543.7	1522.1	1498.7	1491.8	1467.9	1445.1	1428.0	1391.5	1357.8
5°	1716.5	1707.4	1693.7	1676.6	1658.9	1615.6	1591.1	1562.6	1499.8	1443.4	1387.5
7.5°	1737.6	1735.9	1743.3	1743.3	1749.6	1733.1	1698.3	1678.3	1611.6	1519.8	1416.0
10°	1589.4	1594.5	1630.4	1677.2	1742.2	1787.2	1781.5	1776.4	1703.4	1577.9	1449.6
12.5°	1471.3	1459.9	1481.0	1520.9	1618.4	1727.4	1800.9	1801.5	1782.7	1670.9	1474.2
15°	1404.6	1412.6	1418.3	1437.1	1510.7	1636.7	1766.1	1804.3	1887.0	1736.5	1512.9
17.5°	1447.4	1420.6	1419.4	1424.0	1461.6	1556.3	1701.7	1767.3	1944.1	1820.9	1560.8
20°	1503.2	1502.7	1486.7	1481.0	1480.4	1564.8	1659.5	1748.5	1974.3	1930.4	1609.3
22.5°	1601.3	1601.3	1575.1	1562.6	1535.7	1604.8	1665.2	1725.7	2024.5	2005.7	1632.7
25°	1765.6	1738.8	1693.7	1662.9	1647.5	1672.0	1725.7	1779.8	2068.4	2085.5	1681.2
27.5°	1917.3	1875.1	1852.8	1799.8	1779.3	1765.0	1814.0	1868.8	2119.7	2209.8	1707.4
30°	2089.5	2082.1	2042.2	1973.7	1923.0	1896.7	1941.8	1996.0	2213.8	2337.0	1767.9
32.5°	2397.4	2330.1	2276.0	2192.1	2109.4	2053.6	2098.0	2134.0	2370.1	2469.9	1834.0
35°	2729.9	2708.2	2614.7	2463.6	2337.0	2286.8	2313.0	2339.8	2552.0	2672.9	1945.2
37.5°	3056.7	3027.0	2950.0	2822.9	2668.9	2566.8	2585.6	2617.0	2756.1	2946.6	2080.9
40°	3291.6	3255.1	3216.3	3197.5	3044.7	2905.0	2894.1	2902.1	3032.2	3203.2	2231.5
42.5°	3308.7	3353.8	3365.8	3441.6	3405.7	3291.1	3224.3	3226.0	3295.6	3457.0	2383.7
45°	3272.8	3231.2	3319.6	3526.6	3645.2	3698.8	3586.5	3572.2	3458.7	3604.1	2459.6
47.5°	2895.9	2907.3	3056.7	3384.0	3726.7	3966.3	3940.0	3892.7	3546.0	3599.0	2447.6
50°	2289.1	2358.1	2496.7	2904.4	3498.6	4008.5	4163.0	4053.5	3494.1	3457.6	2325.6
52.5°	1524.3	1552.9	1644.1	2170.5	2813.2	3583.0	3906.4	3931.5	3446.2	3272.2	2171.0
55°	678.6	676.3	804.7	1133.7	1765.0	2726.5	3191.8	3344.7	3262.0	3083.5	2020.5
57.5°	287.4	297.1	349.6	489.9	868.0	1645.2	2162.5	2296.5	2508.6	2532.0	1550.0
60°	194.5	195.6	209.9	245.2	363.3	772.7	1134.3	1295.1	1446.8	1436.5	822.3
62.5°	152.8	156.8	167.7	181.9	215.6	350.7	507.5	597.1	606.8	510.4	311.9
65°	130.6	131.2	142.0	154.0	168.8	204.2	244.6	249.2	252.1	242.9	229.3
67.5°	107.8	108.9	117.5	131.2	144.8	156.3	167.7	173.4	186.5	212.1	208.7
70°	85.5	87.3	94.7	106.1	118.6	125.5	139.7	144.8	156.8	176.8	184.8
72.5°	65.0	65.6	71.9	79.8	91.2	98.1	110.1	115.8	123.7	140.9	148.3
75°	46.8	48.5	53.0	57.0	58.7	63.3	74.7	81.0	92.4	99.8	100.4
77.5°	24.5	25.7	26.8	26.8	32.5	41.1	48.5	51.9	59.9	65.6	62.7
80°	9.7	10.3	13.1	17.7	22.8	29.7	34.8	36.5	43.3	46.8	48.5
82.5°	5.7	6.3	8.6	12.5	16.5	21.1	25.1	26.8	31.4	35.4	36.5
85°	2.9	3.4	5.1	8.0	10.8	13.1	12.5	12.0	12.0	11.4	12.0
87.5°	1.1	1.1	1.7	1.7	1.7	2.3	2.9	2.9	2.9	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P526304  
 CATALOG NUMBER: GALN-SA1B-730-U-AFL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9	1333.9
2.5°	1335.6	1312.8	1291.7	1252.9	1210.7	1198.7	1149.7	1132.0	1119.4	1104.6	1100.1
5°	1342.4	1312.2	1244.3	1166.2	1104.1	1024.2	971.7	915.3	874.2	864.0	861.1
7.5°	1356.7	1304.8	1187.9	1069.8	942.7	834.3	751.6	707.1	667.8	665.5	661.5
10°	1372.7	1282.5	1126.3	941.0	778.4	678.1	628.4	609.1	599.4	597.1	595.9
12.5°	1385.8	1278.0	1057.3	815.5	662.1	601.6	586.8	585.1	589.1	590.2	592.5
15°	1391.5	1259.7	974.0	703.1	589.7	567.4	573.7	580.5	583.4	590.8	585.1
17.5°	1402.3	1236.4	871.4	614.2	549.2	553.2	564.0	572.0	576.5	581.7	574.3
20°	1408.0	1215.3	775.0	561.2	534.9	542.3	557.2	563.4	569.1	571.4	562.9
22.5°	1402.9	1171.9	690.0	518.4	521.2	530.9	544.0	550.9	547.5	538.3	533.2
25°	1389.2	1110.9	601.6	491.0	501.8	518.9	529.2	524.1	517.8	512.7	511.0
27.5°	1388.6	1036.2	537.8	465.9	485.3	508.7	505.3	500.7	503.6	499.6	495.0
30°	1391.5	963.8	485.3	451.7	473.3	484.7	488.7	484.2	487.6	480.2	482.5
32.5°	1376.6	893.1	451.1	435.1	459.1	458.5	471.6	475.0	467.1	451.7	453.9
35°	1382.9	836.0	422.0	427.7	443.1	443.1	453.4	449.4	428.3	419.2	421.4
37.5°	1426.3	780.1	407.7	417.4	427.7	432.3	428.8	411.7	406.6	406.6	407.7
40°	1467.3	732.2	399.2	415.2	413.4	416.3	391.2	392.9	392.9	393.5	390.6
42.5°	1503.8	699.7	392.3	401.5	404.3	389.5	374.1	372.4	376.4	375.8	373.5
45°	1516.9	672.9	382.7	386.1	388.4	363.8	356.4	353.0	357.6	359.3	361.6
47.5°	1466.7	650.7	371.8	365.0	360.4	344.4	334.8	328.5	334.2	343.9	346.2
50°	1402.3	621.6	354.7	341.6	331.9	325.1	318.2	311.9	315.9	322.8	321.1
52.5°	1307.1	576.0	333.0	319.4	302.8	304.5	298.3	294.8	297.1	297.1	295.4
55°	1171.3	473.3	296.5	286.8	273.2	277.7	278.9	274.3	269.7	273.7	270.3
57.5°	799.5	334.2	264.6	264.6	250.9	257.2	256.6	245.8	235.0	236.1	233.8
60°	462.5	266.3	244.1	241.8	227.5	232.7	233.8	226.4	209.9	211.0	208.7
62.5°	262.9	227.5	213.3	209.9	207.0	211.6	211.6	201.9	187.6	188.8	186.5
65°	223.5	211.0	190.5	189.9	188.8	189.9	185.3	175.1	162.5	157.4	158.0
67.5°	203.0	195.0	175.1	169.9	166.5	165.9	157.4	147.7	142.0	137.4	136.9
70°	177.9	171.7	156.8	150.0	146.6	138.6	130.0	123.7	115.8	113.5	115.8
72.5°	140.9	140.3	134.6	127.2	119.8	113.5	106.1	97.5	90.1	88.4	84.4
75°	97.5	98.7	99.8	98.7	92.4	84.4	75.8	69.0	59.9	54.7	53.6
77.5°	63.9	65.6	67.3	65.0	61.0	53.6	47.9	39.3	32.5	28.5	27.9
80°	46.8	49.0	50.2	48.5	43.9	38.2	31.9	25.1	20.0	16.5	16.5
82.5°	35.9	38.2	39.3	36.5	31.9	27.4	22.8	17.7	13.7	10.8	10.3
85°	12.5	12.0	14.3	14.8	17.7	16.5	13.7	10.3	8.0	5.7	5.1
87.5°	3.4	3.4	4.0	4.0	3.4	2.9	2.9	2.9	2.3	1.7	1.7
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)