

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: P526073

Luminaire Tested: **GALN-SA1A-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526073  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA1A-730-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2460 lumens  
Efficiency: N/A  
Efficacy: 74.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

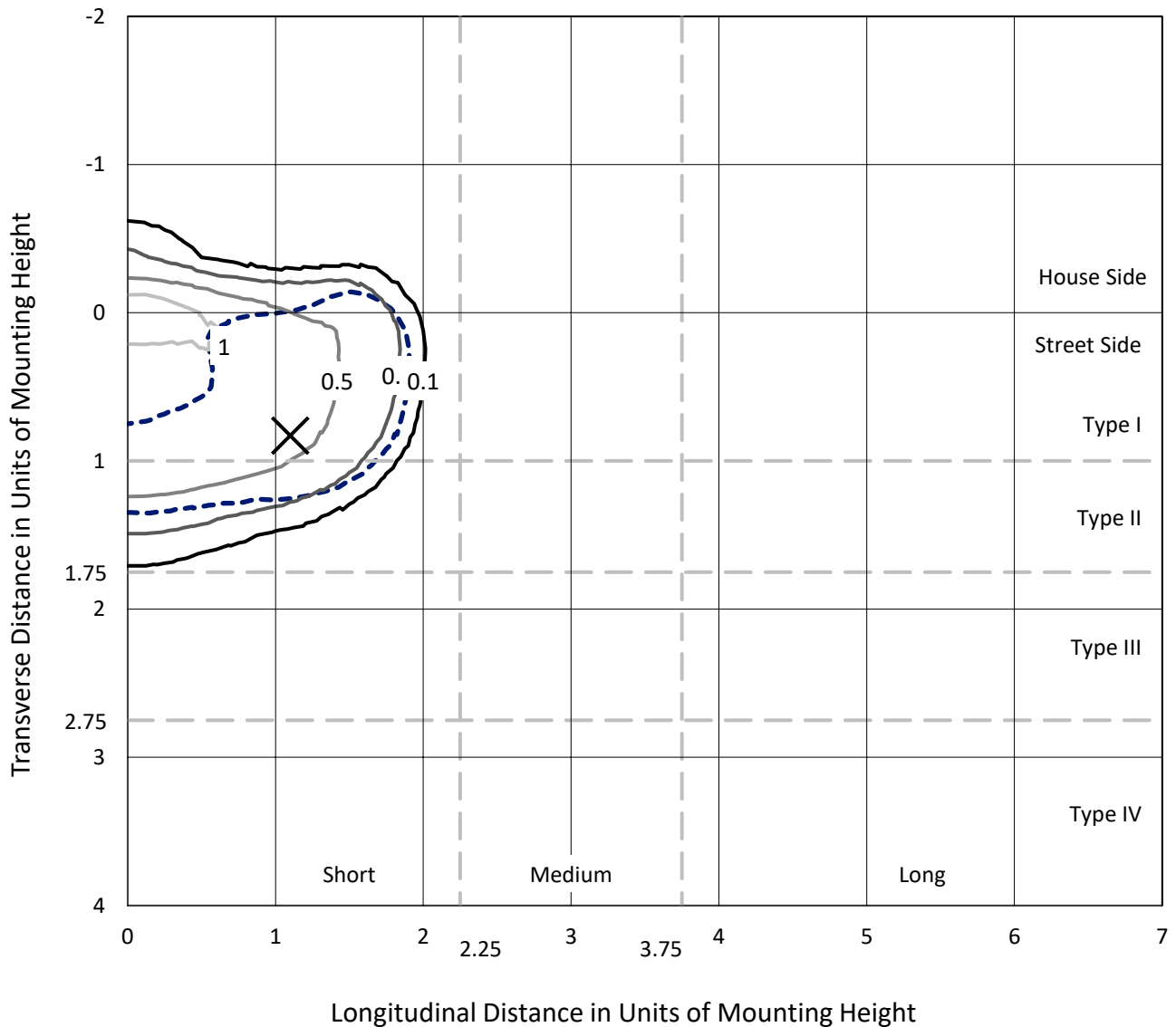
Input Watts (W): 33  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

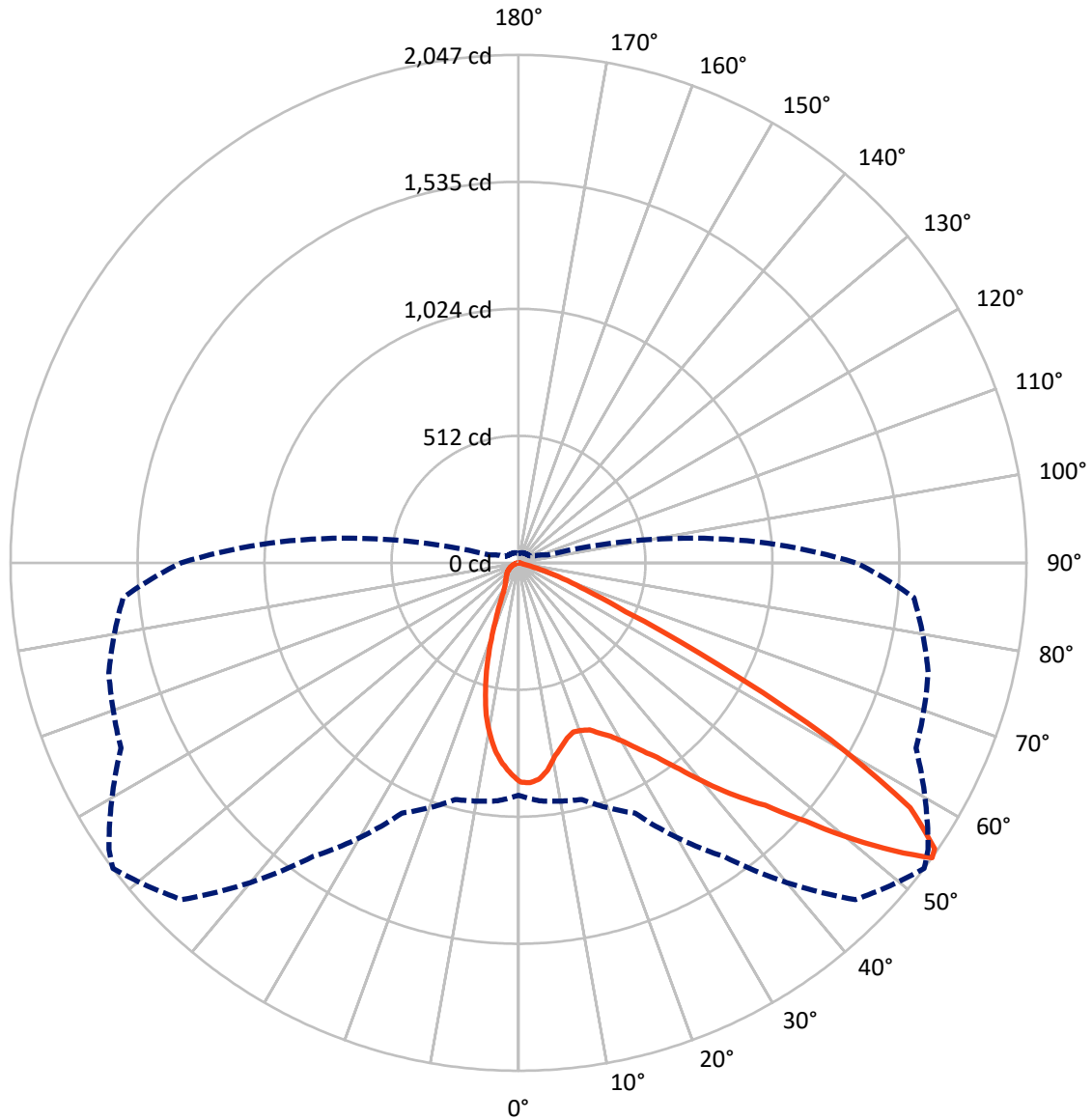
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 54-Deg Vertical

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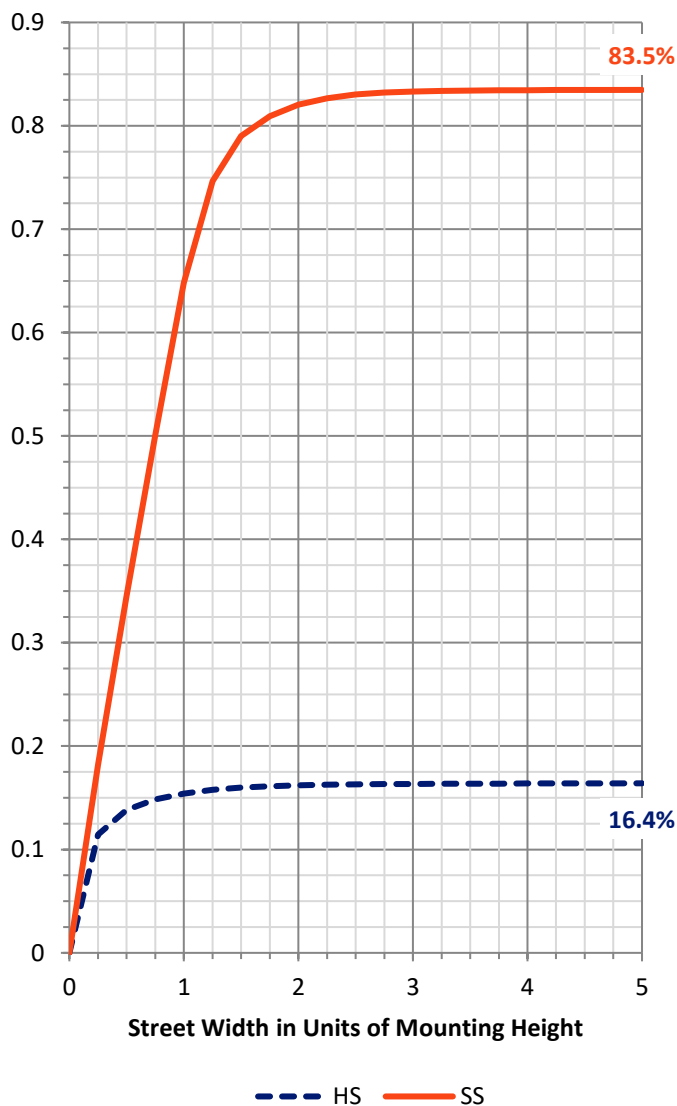
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	407.0	0.0	407.0
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2053.0	0.0	2053.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2460.0	0.0	2460.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	75.8	3.1
10°-20°	173.8	7.1
20°-30°	247.0	10.0
30°-40°	381.2	15.5
40°-50°	597.7	24.3
50°-60°	694.3	28.2
60°-70°	262.4	10.7
70°-80°	24.9	1.0
80°-90°	2.8	0.1
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°	2460.0	100.0
0°-180°	2460.0	100.0

**Coefficient of Utilization**

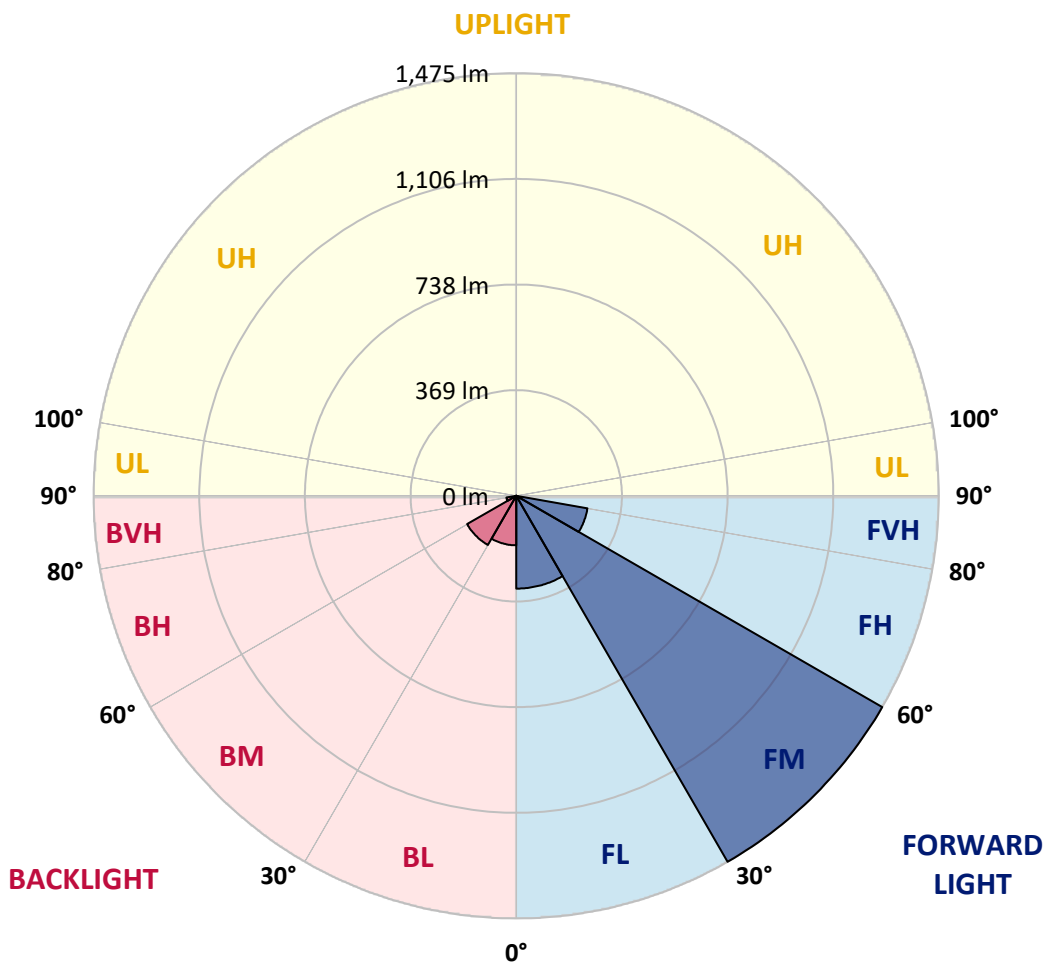


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.9	13.2			
FM (30°-60°)	1475.2	60.0			
FH (60°-80°)	252.4	10.3			G0/660
FVH (80°-90°)	1.5	0.1			G0/10
BL (0°-30°)	172.7	7.0	B1/500		
BM (30°-60°)	198.1	8.1	B0/220		
BH (60°-80°)	34.9	1.4	B0/110		G0/110
BVH (80°-90°)	1.4	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°	53°	55°	65°	75°	85°
0°	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6
2.5°	879.0	871.2	879.0	879.9	885.4	890.5	887.3	894.6	890.5	885.9	884.5
5°	808.0	818.5	819.0	835.5	831.8	862.1	875.3	871.7	894.1	892.8	889.5
7.5°	744.3	740.1	745.6	764.9	789.2	824.0	843.3	842.8	874.9	897.8	895.5
10°	685.1	684.7	696.1	711.3	731.9	768.6	795.1	808.4	858.4	893.2	898.3
12.5°	645.3	643.4	655.8	668.2	700.7	729.1	763.1	769.5	826.8	877.2	885.4
15°	619.2	623.3	624.2	648.0	668.7	706.2	732.8	746.1	812.1	864.3	896.0
17.5°	614.6	620.1	620.5	640.2	662.2	693.9	717.2	735.1	799.7	870.8	896.4
20°	623.7	620.5	623.3	635.7	657.2	687.4	721.4	727.3	795.6	874.0	901.5
22.5°	649.9	648.9	642.1	652.2	667.3	698.9	731.0	740.1	807.5	890.5	905.6
25°	678.7	683.8	677.4	676.0	686.5	717.7	760.3	772.2	847.4	920.3	918.4
27.5°	732.8	727.8	727.8	721.4	718.6	733.7	791.9	811.6	891.8	958.8	933.1
30°	784.6	790.1	786.0	788.3	769.9	768.6	836.8	861.1	970.7	1017.4	964.3
32.5°	866.6	859.3	866.2	860.2	835.9	811.2	897.8	923.0	1066.0	1084.8	1011.0
35°	934.9	931.7	961.0	960.1	920.7	896.4	962.4	1000.0	1132.4	1165.4	1066.0
37.5°	1032.1	1026.1	1059.6	1075.6	1040.3	1004.1	1055.0	1098.5	1194.3	1230.1	1122.4
40°	1132.0	1147.1	1192.0	1218.6	1181.0	1132.9	1168.2	1181.5	1235.6	1272.2	1160.9
42.5°	1258.5	1280.5	1326.3	1349.2	1346.0	1293.8	1283.2	1282.8	1265.3	1260.3	1189.3
45°	1379.9	1371.7	1442.3	1492.2	1532.5	1517.4	1394.1	1380.4	1312.6	1278.2	1196.6
47.5°	1433.1	1430.3	1478.5	1567.4	1704.9	1723.6	1555.4	1502.3	1392.3	1353.3	1236.5
50°	1364.3	1378.5	1426.2	1524.7	1735.6	1879.0	1753.4	1681.9	1485.3	1445.0	1330.9
52.5°	1139.8	1149.4	1194.8	1319.9	1631.1	1970.7	1943.2	1901.9	1656.3	1589.4	1495.4
54°	937.2	962.9	987.6	1113.2	1445.0	1919.8	2047.2	2015.6	1767.6	1709.4	1599.0
55°	816.2	831.3	849.2	974.3	1316.2	1833.6	2035.3	2038.0	1842.3	1747.0	1668.6
57.5°	596.2	606.8	588.4	643.9	903.8	1489.0	1861.6	1935.8	1943.2	1803.4	1711.3
60°	455.5	460.1	439.5	448.2	561.9	1022.0	1440.0	1529.3	1753.0	1576.1	1449.6
62.5°	353.3	354.3	353.8	368.9	387.3	601.3	900.5	979.8	1208.5	1119.2	984.4
65°	260.3	256.2	263.5	309.3	330.4	378.1	474.3	532.1	656.7	554.5	396.4
67.5°	168.7	170.0	177.4	230.1	283.2	290.1	291.9	287.4	287.8	158.6	99.4
70°	101.3	103.6	101.3	130.2	202.6	208.1	190.2	185.6	144.8	37.6	37.1
72.5°	60.0	56.8	50.9	55.9	84.3	100.8	90.7	90.3	56.8	22.0	22.0
75°	25.2	22.9	18.8	17.0	22.5	21.5	21.5	19.2	15.1	14.7	13.7
77.5°	5.0	5.0	3.7	4.1	5.5	6.4	7.8	7.8	9.2	9.2	8.7
80°	0.0	0.5	1.4	2.7	4.1	6.0	6.9	6.9	7.8	7.8	6.4
82.5°	0.0	0.5	1.4	2.7	3.7	5.5	6.9	6.9	7.8	8.2	6.9
85°	0.0	0.5	1.4	2.3	3.7	4.6	4.6	4.1	3.2	2.7	1.8
87.5°	0.0	0.0	0.5	0.9	0.5	0.9	0.9	0.9	0.9	0.9	0.9
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°	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6	883.6
2.5°	887.7	887.3	876.3	858.4	854.3	839.1	837.3	828.1	833.2	816.2	814.4
5°	880.4	874.9	861.6	850.1	816.7	792.8	774.1	751.1	737.9	740.1	731.4
7.5°	890.9	876.7	853.3	813.5	772.7	731.0	708.5	661.8	644.8	619.6	615.9
10°	879.9	869.4	833.2	767.2	710.8	650.8	598.1	546.3	506.9	489.9	486.2
12.5°	879.0	860.7	800.2	726.9	645.3	559.1	482.6	418.0	379.0	357.0	352.0
15°	864.8	842.8	763.1	664.5	551.8	444.5	361.1	298.8	269.0	256.2	259.9
17.5°	866.2	833.2	725.9	598.5	459.7	326.3	246.6	214.5	206.7	209.9	209.9
20°	864.8	811.6	681.0	522.5	352.0	226.4	181.0	169.6	174.6	184.7	182.4
22.5°	857.5	801.6	639.8	442.3	258.9	167.7	145.3	145.7	153.5	165.9	168.7
25°	863.0	779.1	587.5	361.1	188.8	133.8	126.0	129.2	137.5	146.7	148.5
27.5°	858.8	763.1	533.0	280.5	137.9	115.0	114.6	118.2	121.9	128.8	128.8
30°	863.4	748.4	479.4	208.5	113.7	105.4	103.6	106.3	110.0	111.4	110.9
32.5°	880.4	737.4	417.5	155.8	100.4	96.2	96.2	96.2	95.8	97.6	98.1
35°	917.5	739.2	363.0	120.5	91.7	88.5	87.1	85.2	84.3	85.2	85.7
37.5°	957.8	738.3	306.6	102.7	85.2	82.5	79.3	76.5	76.1	77.0	75.6
40°	975.7	747.0	254.4	92.1	79.3	76.1	71.0	68.7	69.2	70.1	69.2
42.5°	1000.0	749.8	220.4	83.9	73.8	68.7	65.5	62.8	62.3	63.7	63.2
45°	999.5	734.2	184.7	79.3	68.7	63.2	59.1	56.8	56.8	57.7	58.2
47.5°	1028.9	731.9	158.6	75.2	65.1	59.6	54.5	52.7	52.2	52.2	51.3
50°	1097.2	764.0	138.4	70.6	60.5	55.5	51.3	49.0	47.2	46.3	45.8
52.5°	1230.5	863.9	122.8	65.1	55.5	51.3	47.7	45.8	43.5	41.2	40.8
54°	1359.8	967.0	121.9	60.5	51.3	48.6	45.4	44.5	41.7	38.5	37.6
55°	1418.0	1027.0	125.1	56.8	48.6	46.7	44.0	43.1	40.3	36.7	36.2
57.5°	1466.1	1050.4	123.3	47.2	44.0	43.5	41.2	39.9	36.7	31.6	30.7
60°	1180.1	794.2	88.5	41.7	40.3	39.4	37.6	36.7	32.5	27.0	26.6
62.5°	745.6	456.9	56.4	36.7	35.3	33.9	31.6	30.7	27.0	21.5	20.2
65°	317.6	189.3	38.0	32.5	30.2	28.0	26.1	24.7	21.5	16.0	15.6
67.5°	82.5	67.4	31.6	28.4	25.2	22.0	20.6	18.3	14.7	11.0	10.5
70°	37.1	33.9	26.6	23.8	20.2	17.0	15.1	12.8	9.6	7.3	6.9
72.5°	22.0	21.5	20.2	17.9	15.1	12.8	11.0	8.7	6.4	4.1	4.1
75°	13.7	13.3	13.7	12.4	10.5	9.6	8.2	6.0	3.7	1.8	1.8
77.5°	8.2	8.2	8.2	7.8	7.3	7.3	6.0	3.7	1.8	0.5	0.5
80°	6.4	6.4	6.9	6.4	6.4	6.4	5.0	2.7	0.9	0.0	0.0
82.5°	6.4	6.9	7.8	7.3	6.4	5.5	4.6	2.7	0.9	0.0	0.0
85°	1.8	1.4	2.3	3.2	4.6	4.1	3.2	2.3	0.9	0.0	0.0
87.5°	0.9	0.9	0.9	0.9	0.5	0.5	0.5	0.5	0.5	0.0	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)