

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: P526498

Luminaire Tested: **GALN-SA1C-722-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526498
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-722-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2200K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4386 lumens
Efficiency: N/A
Efficacy: 76.9 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

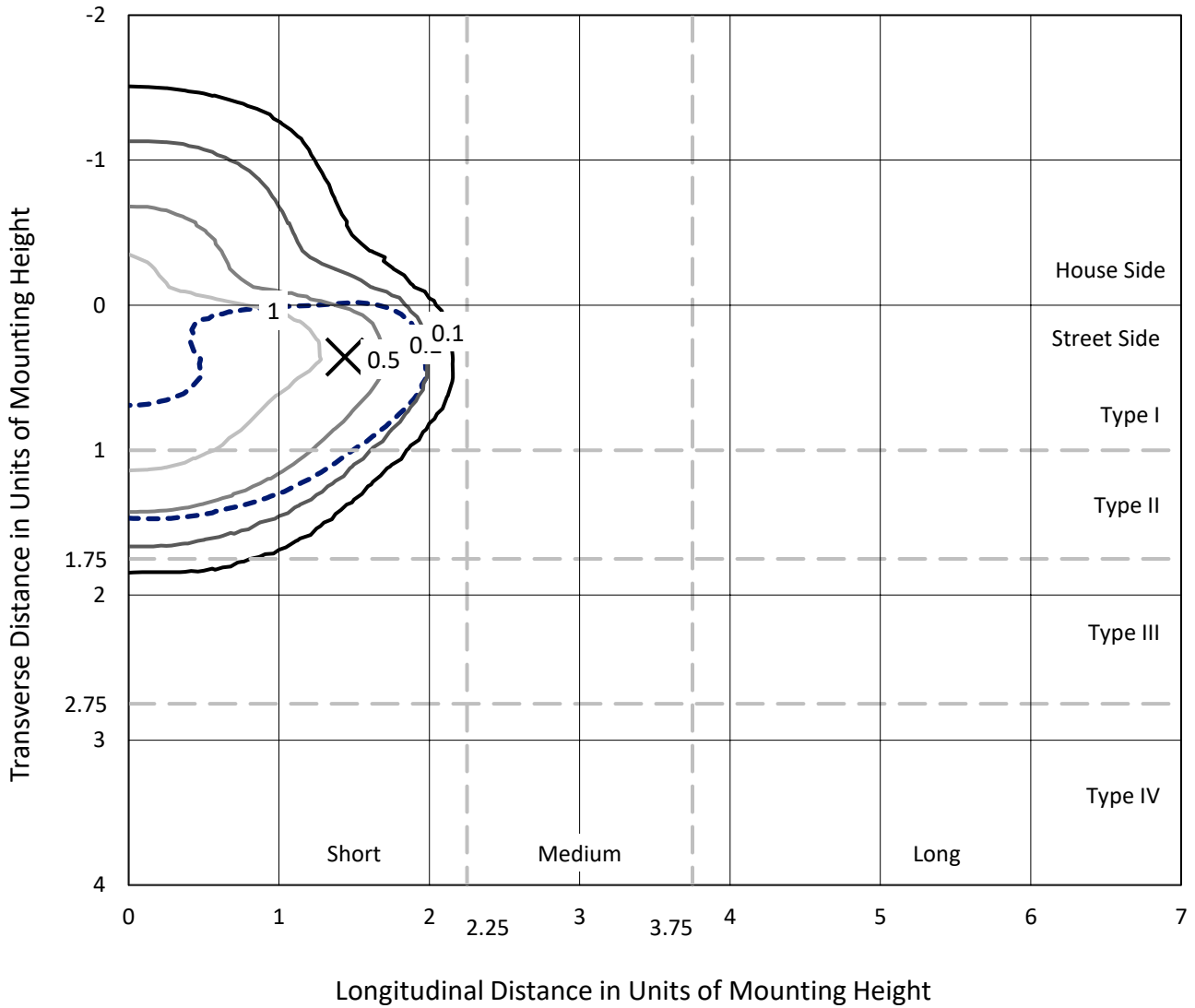
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

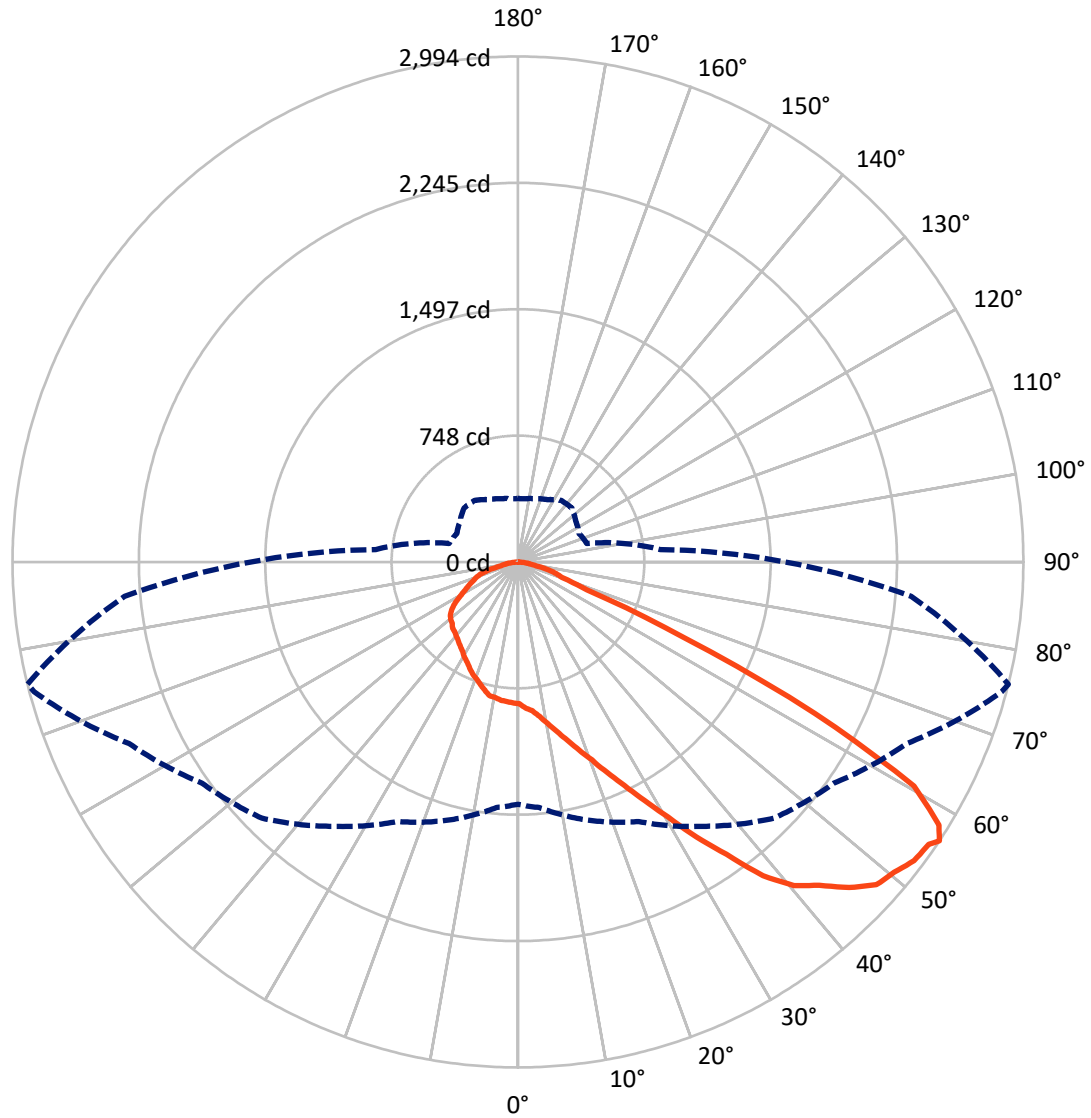
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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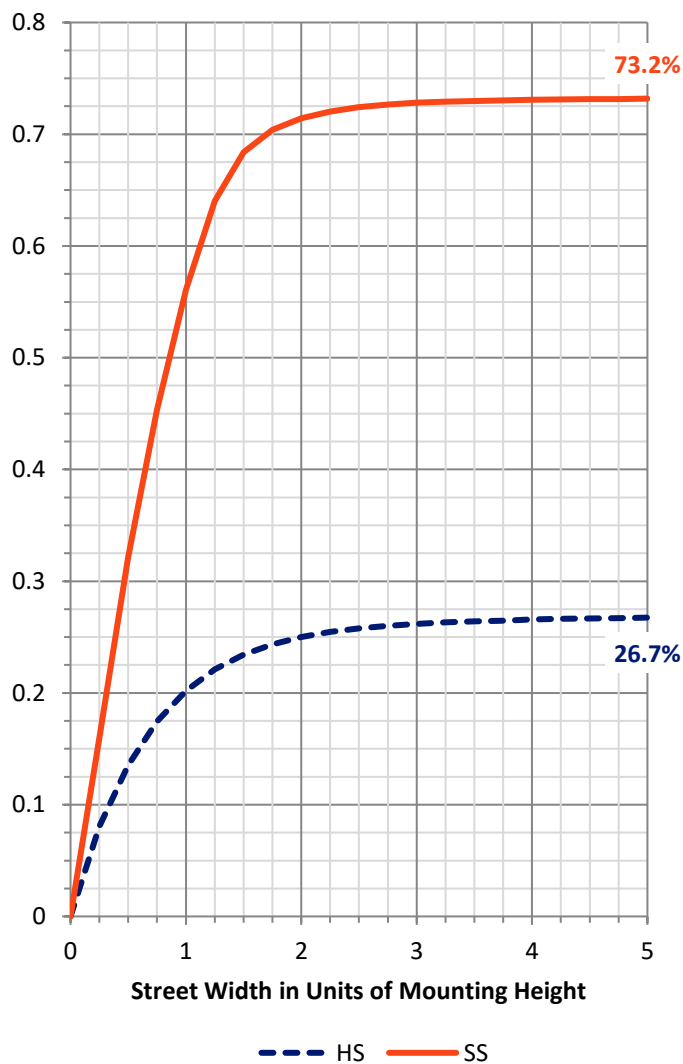
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1179.3	0.0	1179.3
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	3206.7	0.0	3206.7
	% Fixture	73.1	0.0	73.1
Total	Lumens	4386.0	0.0	4386.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.2	1.9
10°-20°	261.4	6.0
20°-30°	457.2	10.4
30°-40°	715.9	16.3
40°-50°	1041.4	23.7
50°-60°	1144.5	26.1
60°-70°	510.9	11.6
70°-80°	147.6	3.4
80°-90°	23.9	0.5
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°	4386.0	100.0
0°-180°	4386.0	100.0

Coefficient of Utilization

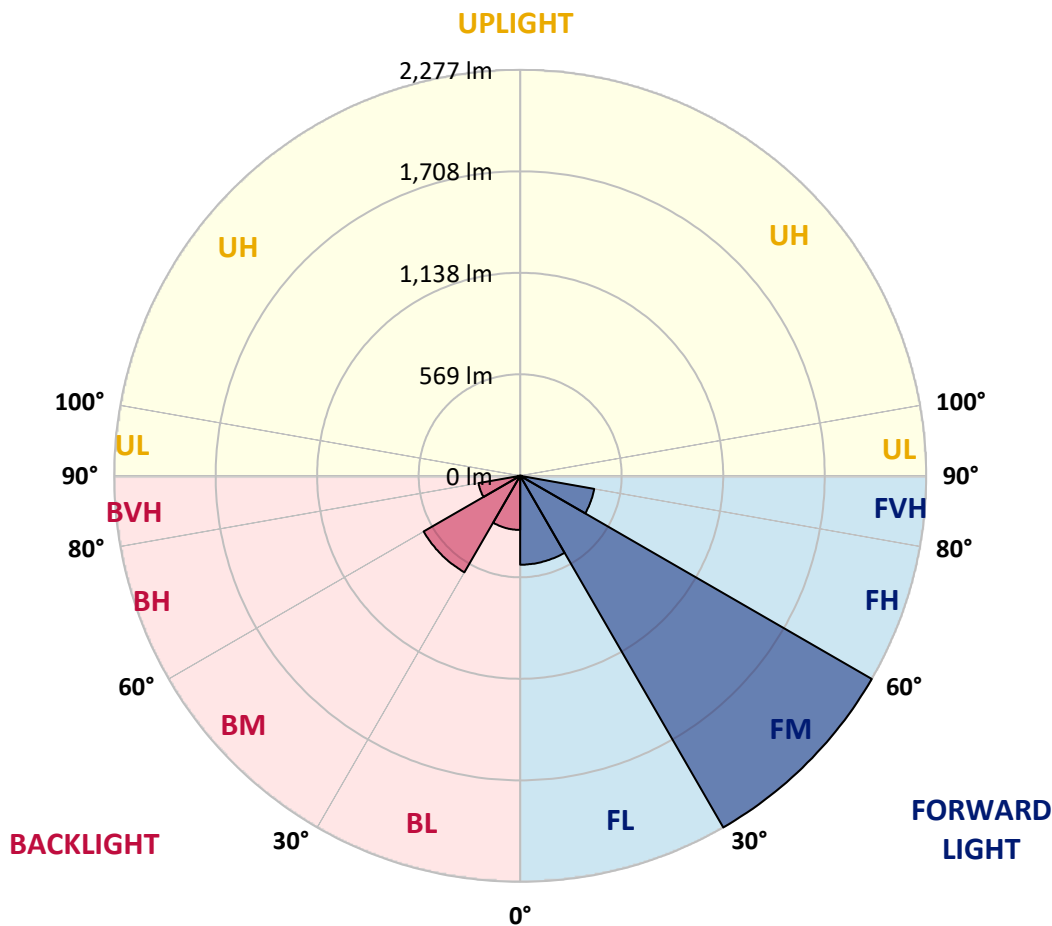


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	498.4	11.4			
FM (30°-60°)	2276.9	51.9			
FH (60°-80°)	421.2	9.6			G0/660
FVH (80°-90°)	10.3	0.2			G1/100
BL (0°-30°)	303.4	6.9	B1/500		
BM (30°-60°)	624.9	14.2	B1/1000		
BH (60°-80°)	237.3	5.4	B1/500		G1/500
BVH (80°-90°)	13.6	0.3			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2
2.5°	924.5	909.7	908.6	904.6	906.9	896.6	885.8	871.6	856.8	865.9	844.3
5°	989.3	969.4	977.4	963.7	965.4	951.8	929.6	913.1	894.9	884.1	868.8
7.5°	1012.0	1013.8	1019.4	1017.2	1005.8	1005.8	991.0	962.0	930.2	923.9	898.3
10°	1042.8	1043.3	1037.1	1038.8	1054.7	1047.3	1034.2	1021.7	980.8	973.4	927.9
12.5°	1053.6	1043.3	1053.6	1062.7	1081.4	1091.6	1088.8	1079.7	1035.9	1030.8	964.3
15°	1055.3	1049.0	1057.5	1078.0	1094.5	1137.7	1159.3	1153.1	1095.1	1095.6	1005.2
17.5°	1047.3	1055.8	1059.2	1076.9	1115.0	1155.3	1217.9	1226.4	1178.6	1171.2	1057.0
20°	1058.1	1051.8	1056.4	1072.3	1122.9	1186.0	1267.9	1324.2	1257.1	1252.0	1110.4
22.5°	1099.6	1091.1	1089.9	1100.2	1136.6	1202.0	1320.8	1422.0	1352.6	1355.5	1176.9
25°	1132.0	1136.6	1132.6	1132.0	1154.8	1225.8	1390.7	1538.5	1482.3	1465.8	1255.4
27.5°	1187.7	1198.5	1190.6	1201.4	1196.3	1261.7	1440.7	1667.6	1622.1	1599.9	1326.5
30°	1265.1	1270.7	1263.4	1263.4	1248.0	1311.7	1486.2	1802.4	1783.6	1753.5	1410.0
32.5°	1366.8	1375.4	1360.6	1352.1	1349.8	1386.2	1568.1	1935.4	1967.2	1941.7	1520.9
35°	1501.6	1496.5	1478.8	1470.9	1440.2	1500.4	1689.8	2088.3	2171.9	2126.4	1655.1
37.5°	1620.4	1612.5	1611.3	1567.0	1574.4	1623.8	1793.3	2204.3	2370.4	2357.3	1796.7
40°	1731.3	1738.7	1750.6	1725.6	1714.2	1768.8	1913.8	2293.0	2524.4	2519.3	1905.8
42.5°	1850.1	1843.3	1864.3	1843.3	1826.2	1903.6	2044.6	2354.4	2659.8	2617.7	2020.1
45°	2022.4	2000.8	2008.2	2009.9	1997.4	2025.8	2098.6	2398.8	2754.7	2750.2	2103.7
47.5°	2166.2	2166.8	2154.3	2144.6	2106.5	2135.0	2158.8	2426.6	2863.9	2856.5	2136.1
50°	2219.7	2212.3	2248.7	2269.7	2272.0	2214.0	2206.0	2442.0	2921.3	2888.9	2168.5
52.5°	2027.5	2034.3	2091.8	2216.8	2289.1	2295.3	2261.2	2473.8	2944.6	2937.8	2194.7
55°	1631.8	1664.8	1759.1	1903.6	2074.7	2262.9	2320.9	2506.8	2957.1	2951.4	2310.7
56°	1434.5	1460.1	1582.9	1696.0	1911.0	2145.2	2283.4	2542.1	2966.8	2993.5	2337.9
57.5°	1154.8	1184.3	1272.5	1400.9	1654.5	1921.2	2179.9	2498.9	2929.3	2939.5	2357.8
60°	722.1	724.9	830.7	915.4	1093.9	1354.3	1663.6	2174.2	2710.9	2696.1	2117.9
62.5°	473.6	474.2	570.3	639.6	720.9	780.6	979.1	1441.9	2000.2	1974.1	1507.8
65°	332.6	340.0	414.5	507.2	540.1	508.9	502.6	760.2	1117.2	1079.7	810.2
67.5°	243.3	243.9	309.9	409.4	457.1	387.2	314.4	371.3	442.3	441.2	375.3
70°	160.9	167.7	218.3	305.9	360.5	311.0	257.0	265.5	281.4	281.4	279.2
72.5°	93.8	100.1	133.6	193.9	202.4	194.4	203.5	227.4	237.7	237.1	234.2
75°	53.4	56.3	63.7	80.7	100.6	118.8	149.5	172.3	182.5	188.8	181.4
77.5°	31.3	33.0	37.5	46.1	52.3	64.2	81.3	97.2	110.9	109.2	110.3
80°	16.5	16.5	21.0	27.3	36.4	45.5	54.0	63.1	70.5	72.2	73.9
82.5°	9.7	10.2	13.6	19.9	26.2	32.4	41.5	47.8	54.6	55.2	56.3
85°	5.1	5.7	8.5	13.1	17.6	19.9	20.5	19.3	21.0	19.9	22.7
87.5°	1.7	1.7	2.8	2.3	2.3	2.8	3.4	3.4	4.5	4.5	4.5
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°	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2	839.2
2.5°	843.8	843.8	834.1	815.9	813.1	805.7	798.8	798.3	793.2	788.6	786.3
5°	859.7	842.0	827.8	811.3	792.0	782.9	772.7	761.3	756.8	761.3	760.7
7.5°	877.9	863.1	820.4	789.7	767.6	758.5	747.1	735.2	736.3	736.3	728.3
10°	895.5	875.6	807.4	768.1	735.7	728.9	722.6	727.2	732.9	734.0	728.9
12.5°	925.1	880.1	801.1	746.5	726.1	711.3	715.3	727.8	739.7	736.3	740.3
15°	947.2	884.1	772.7	724.4	698.8	705.6	719.8	728.3	748.2	746.0	749.9
17.5°	968.8	886.4	744.8	694.8	684.0	702.7	713.6	738.0	744.3	757.9	763.0
20°	1013.2	890.9	716.4	676.6	673.2	694.8	713.6	724.9	738.6	750.5	750.5
22.5°	1035.9	888.7	697.6	652.7	663.5	677.2	694.2	713.6	713.6	724.9	725.5
25°	1064.4	879.6	668.1	641.3	649.3	662.4	681.7	674.9	682.3	682.3	691.4
27.5°	1096.8	860.2	642.5	620.9	636.8	651.0	653.9	649.3	640.8	639.6	636.2
30°	1122.9	836.4	623.7	614.1	627.1	635.1	626.0	616.3	601.5	600.4	592.4
32.5°	1158.7	806.8	600.4	597.0	611.8	612.3	609.5	594.7	573.1	564.0	554.9
35°	1219.0	789.7	582.8	587.9	592.4	590.7	585.6	569.7	548.1	544.1	540.7
37.5°	1263.4	777.2	564.6	570.8	574.8	577.1	561.7	544.1	544.7	536.7	534.5
40°	1313.4	769.3	549.8	552.6	553.2	560.6	541.8	533.3	537.3	532.2	535.6
42.5°	1377.6	771.5	534.5	532.2	543.0	540.1	531.0	519.7	521.9	506.6	508.9
45°	1411.8	786.9	525.4	515.1	527.1	526.5	514.6	503.8	490.1	460.5	461.7
47.5°	1434.5	790.9	503.8	496.9	509.4	516.8	503.2	478.2	458.8	437.8	432.7
50°	1457.8	798.3	493.5	479.3	484.4	502.0	485.0	461.1	442.3	423.6	426.4
52.5°	1478.3	812.5	473.6	452.6	461.7	481.0	471.9	442.9	422.4	407.1	402.5
55°	1569.2	844.3	440.1	412.8	434.4	458.8	453.7	418.5	396.3	388.3	387.2
56°	1583.5	845.5	422.4	399.1	419.0	451.4	445.2	407.7	387.8	375.3	375.8
57.5°	1585.7	831.8	397.4	386.6	403.7	440.6	432.7	399.1	371.8	360.5	357.1
60°	1395.3	649.3	366.2	359.3	379.2	407.7	404.8	375.8	345.1	332.0	338.3
62.5°	951.2	475.9	341.7	340.6	350.8	378.7	371.3	345.1	319.5	311.0	307.0
65°	553.8	361.0	317.8	313.3	321.8	336.6	341.7	314.4	287.7	282.0	280.3
67.5°	326.9	298.5	287.1	279.7	276.9	286.0	290.0	274.0	247.3	239.4	246.2
70°	273.5	265.5	266.1	253.6	246.8	240.5	237.1	222.9	200.7	190.5	187.6
72.5°	236.0	232.5	230.3	218.9	212.6	198.4	183.6	169.4	152.9	144.4	145.0
75°	180.2	179.1	180.2	174.6	163.7	152.4	138.7	120.5	108.0	97.2	99.5
77.5°	107.5	110.9	112.6	110.3	105.8	95.5	87.0	75.1	63.1	54.6	53.4
80°	73.9	76.8	79.6	76.8	72.2	64.8	55.7	46.6	38.1	33.5	32.4
82.5°	56.3	59.1	60.8	58.0	52.3	44.3	38.1	31.8	25.0	20.5	19.3
85°	20.5	23.3	22.7	27.3	29.6	28.4	24.4	18.8	14.2	10.2	9.7
87.5°	5.7	5.1	5.7	5.7	5.7	5.1	4.5	4.5	4.5	2.8	2.3
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)