

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: P534600

Luminaire Tested: **GALN-SA5A-AMB-U-SL4**

Issue Date: 6/10/2021

Test Information

Test Method: LM-79-08
Report Number: P534600
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-067-8)
Test Lab: INNOVATION CENTER
Issue Date: 6/10/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA5A-AMB-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) NARROW BAND AMBER, 500mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5128 lumens
Efficiency: N/A
Efficacy: 51.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 100.1
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

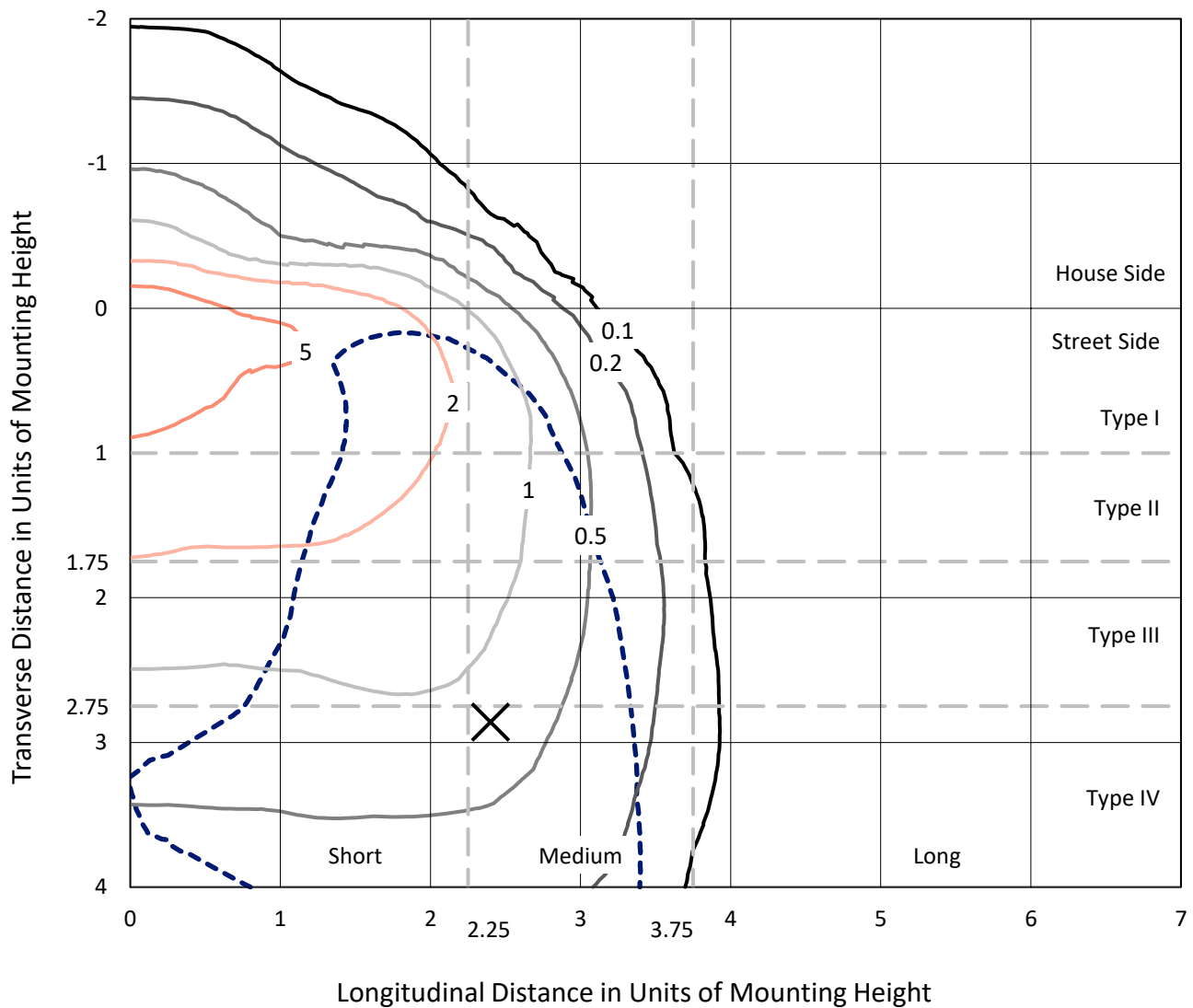


REPORT NUMBER: P534600

CATALOG NUMBER: GALN-SA5A-AMB-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

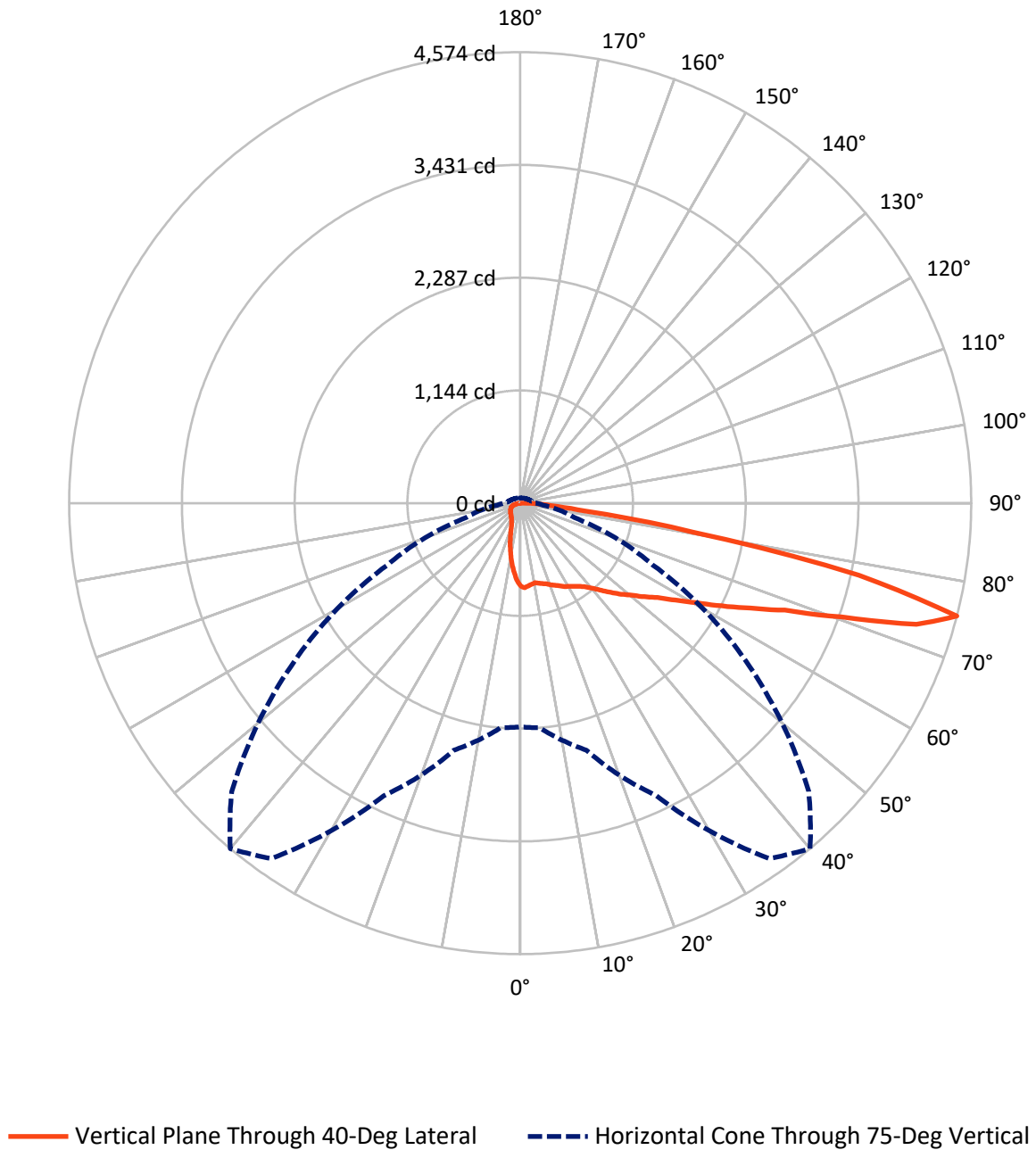
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.4 fc
 Type IV - Medium - N/A

REPORT NUMBER: P534600
CATALOG NUMBER: GALN-SA5A-AMB-U-SL4

Luminous Intensity Polar Plot



REPORT NUMBER: P534600

CATALOG NUMBER: GALN-SA5A-AMB-U-SL4

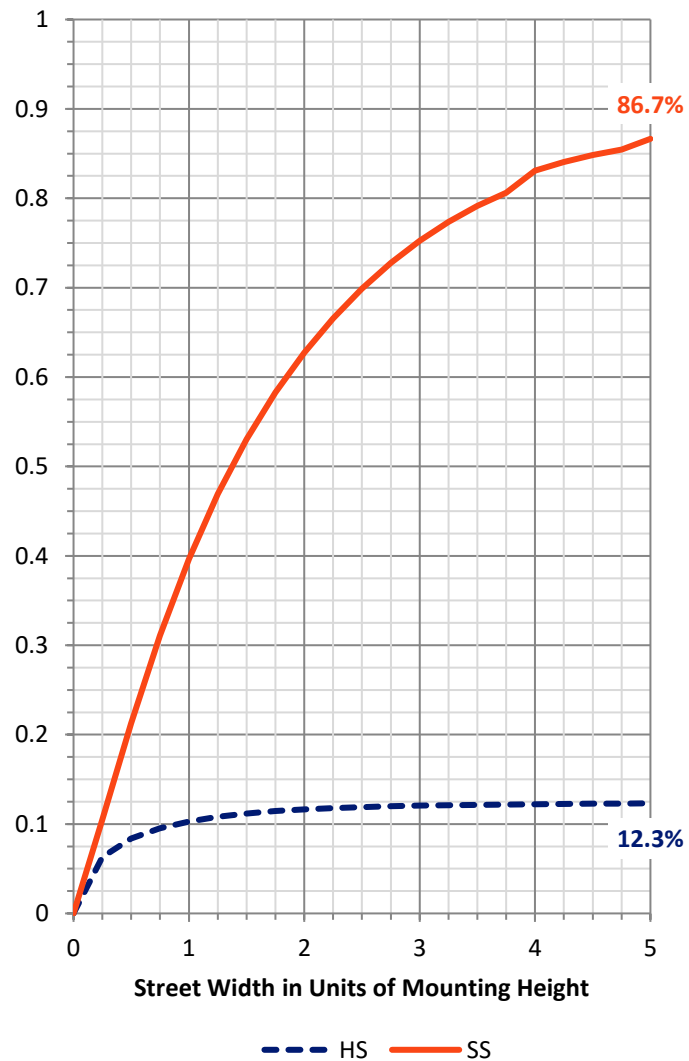
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	638.0	0.0	638.0
	% Fixture	12.4	0.0	12.4
Street Side	Lumens	4490.0	0.0	4490.0
	% Fixture	87.6	0.0	87.6
Total	Lumens	5128.0	0.0	5128.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.4	1.4
10°-20°	182.3	3.6
20°-30°	281.6	5.5
30°-40°	409.6	8.0
40°-50°	613.0	12.0
50°-60°	916.0	17.9
60°-70°	1290.6	25.2
70°-80°	1187.4	23.2
80°-90°	175.1	3.4
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°	5128.0	100.0
0°-180°	5128.0	100.0

Coefficient of Utilization



REPORT NUMBER: P534600

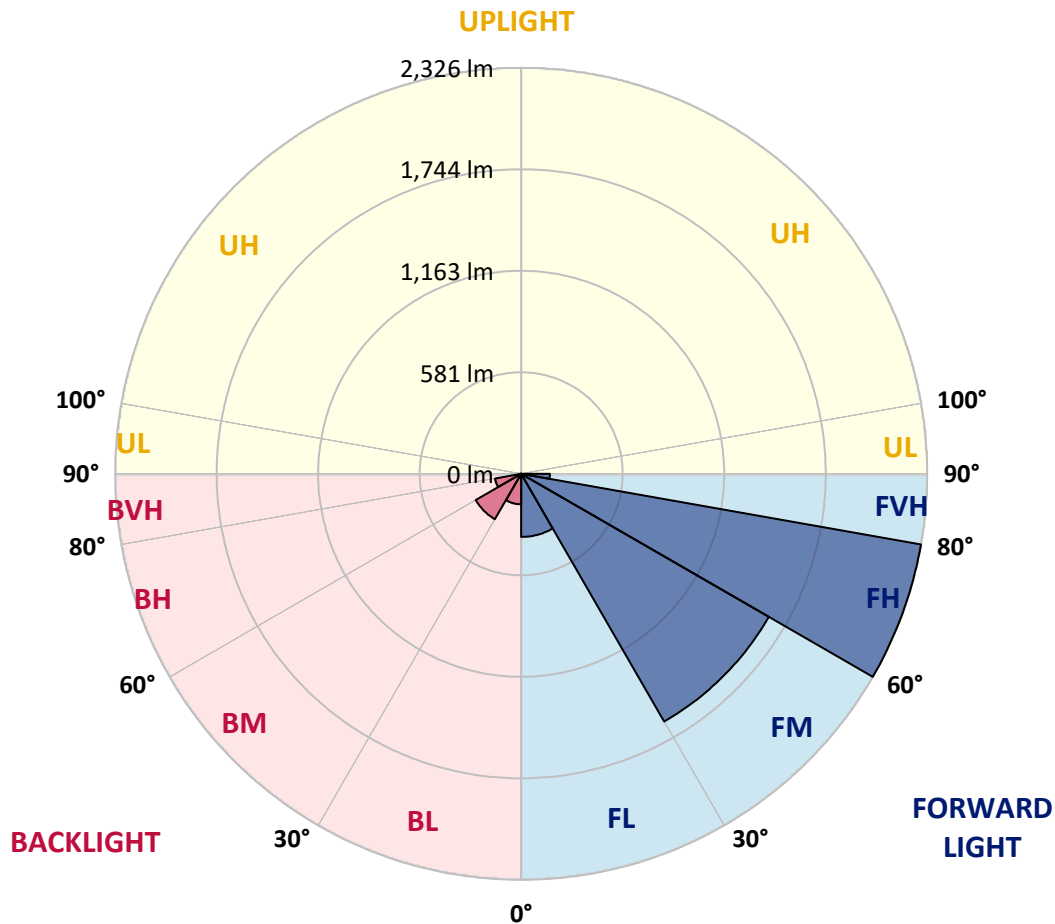
CATALOG NUMBER: GALN-SA5A-AMB-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	361.7	7.1			
FM	(30°-60°)	1638.4	31.9			
FH	(60°-80°)	2325.8	45.4			G2/5000
FVH	(80°-90°)	164.2	3.2			G2/225
BL	(0°-30°)	174.6	3.4	B1/500		
BM	(30°-60°)	300.3	5.9	B1/1000		
BH	(60°-80°)	152.2	3.0	B1/500		G1/500
BVH	(80°-90°)	10.9	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



REPORT NUMBER: P534600

CATALOG NUMBER: GALN-SA5A-AMB-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	858.2	860.5	858.2	858.2	853.6	858.2	851.3	848.9	844.3	844.3	835.0
5°	846.6	851.3	846.6	846.6	844.3	844.3	837.3	835.0	828.1	828.1	816.5
7.5°	828.1	825.7	828.1	828.1	828.1	830.4	825.7	818.8	816.5	807.2	802.6
10°	809.5	814.2	811.8	818.8	821.1	821.1	821.1	816.5	811.8	800.2	793.3
12.5°	791.0	793.3	807.2	816.5	828.1	832.7	830.4	825.7	818.8	804.9	786.3
15°	795.6	788.6	802.6	823.4	839.7	846.6	837.3	837.3	821.1	804.9	786.3
17.5°	793.3	793.3	811.8	837.3	858.2	860.5	860.5	848.9	832.7	816.5	786.3
20°	804.9	804.9	828.1	855.9	879.1	883.7	881.4	858.2	839.7	821.1	802.6
22.5°	828.1	830.4	853.6	886.1	897.7	904.6	897.7	874.5	853.6	839.7	809.5
25°	865.2	862.9	881.4	913.9	932.4	927.8	927.8	890.7	867.5	858.2	832.7
27.5°	897.7	900.0	911.6	944.0	953.3	958.0	948.7	906.9	886.1	888.4	858.2
30°	941.7	946.4	953.3	969.6	976.5	978.8	978.8	937.1	913.9	927.8	886.1
32.5°	997.4	995.1	997.4	1009.0	997.4	1004.4	1002.0	962.6	951.0	981.2	930.1
35°	1057.7	1057.7	1050.7	1043.8	1025.2	1034.5	1034.5	997.4	1002.0	1050.7	976.5
37.5°	1120.3	1111.0	1099.5	1078.6	1064.7	1076.3	1083.2	1050.7	1071.6	1143.5	1062.3
40°	1178.3	1159.8	1136.6	1125.0	1115.7	1134.2	1143.5	1125.0	1155.1	1264.1	1176.0
42.5°	1213.1	1210.8	1183.0	1169.0	1178.3	1208.5	1213.1	1203.8	1264.1	1403.3	1303.6
45°	1257.2	1245.6	1220.1	1213.1	1252.5	1292.0	1305.9	1294.3	1387.1	1577.3	1438.1
47.5°	1285.0	1273.4	1252.5	1268.8	1326.8	1380.1	1410.3	1410.3	1530.9	1760.5	1584.2
50°	1312.8	1296.6	1285.0	1338.4	1398.7	1465.9	1507.7	1535.5	1686.3	1946.1	1753.6
52.5°	1361.6	1333.7	1322.1	1414.9	1489.1	1577.3	1646.9	1674.7	1867.2	2150.2	1915.9
55°	1426.5	1407.9	1373.2	1498.4	1595.8	1688.6	1776.7	1853.3	2043.5	2335.8	2050.5
57.5°	1496.1	1475.2	1447.4	1602.8	1746.6	1855.6	1943.8	2055.1	2249.9	2539.9	2173.4
60°	1586.5	1565.7	1544.8	1725.7	1927.5	2048.1	2159.5	2282.4	2470.3	2704.6	2275.4
62.5°	1674.7	1656.1	1653.8	1860.3	2136.3	2294.0	2384.5	2521.3	2674.4	2839.1	2321.8
65°	1783.7	1774.4	1769.8	2024.9	2405.3	2565.4	2662.8	2806.6	2911.0	2952.7	2259.2
67.5°	1885.8	1897.4	1936.8	2226.7	2697.6	2894.8	3043.2	3196.3	3161.5	2962.0	1934.5
70°	2078.3	2082.9	2175.7	2523.6	3159.2	3456.1	3627.7	3606.8	3194.0	2567.7	1317.5
72.5°	2282.4	2317.2	2488.8	2973.6	3869.0	4203.0	4254.0	3662.5	2697.6	1628.3	566.0
75°	2268.5	2287.0	2593.2	3275.2	4400.1	4574.1	4138.0	2795.0	1486.8	568.3	234.3
77.5°	1809.2	1860.3	2191.9	2894.8	3762.3	3509.4	2686.0	1389.4	475.5	208.8	141.5
80°	848.9	946.4	1148.2	1510.0	2027.3	1772.1	1148.2	566.0	238.9	134.5	99.7
82.5°	396.6	412.9	459.3	501.0	677.3	658.7	475.5	445.3	183.2	81.2	48.7
85°	271.4	294.6	327.1	287.6	310.8	308.5	329.4	440.7	127.6	46.4	30.2
87.5°	185.6	197.2	220.4	169.3	187.9	174.0	206.4	380.4	41.8	18.6	9.3
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: P534600

CATALOG NUMBER: GALN-SA5A-AMB-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0	842.0
2.5°	830.4	825.7	811.8	809.5	807.2	793.3	791.0	784.0	779.4	777.0	779.4
5°	811.8	804.9	788.6	774.7	749.2	726.0	709.8	693.5	681.9	684.3	684.3
7.5°	795.6	788.6	763.1	737.6	693.5	661.1	621.6	591.5	572.9	559.0	563.6
10°	784.0	772.4	739.9	693.5	637.9	582.2	538.1	489.4	459.3	447.7	447.7
12.5°	779.4	765.4	712.1	649.5	577.6	510.3	445.3	394.3	357.2	347.9	343.3
15°	774.7	749.2	681.9	600.8	512.6	436.1	366.5	317.8	276.0	259.8	262.1
17.5°	772.4	742.2	654.1	556.7	454.6	364.2	299.2	248.2	225.0	213.4	213.4
20°	774.7	735.3	630.9	503.3	389.7	301.5	241.2	211.1	197.2	190.2	192.5
22.5°	781.7	726.0	591.5	452.3	336.3	252.8	211.1	194.8	185.6	180.9	180.9
25°	791.0	726.0	566.0	396.6	287.6	222.7	192.5	183.2	176.3	176.3	171.6
27.5°	809.5	728.3	531.2	350.2	248.2	199.5	183.2	174.0	169.3	169.3	169.3
30°	818.8	726.0	498.7	308.5	218.0	185.6	171.6	169.3	167.0	162.4	162.4
32.5°	842.0	723.7	461.6	271.4	197.2	174.0	164.7	162.4	160.0	157.7	157.7
35°	881.4	733.0	415.2	241.2	180.9	164.7	157.7	155.4	153.1	153.1	150.8
37.5°	930.1	746.9	382.7	215.7	169.3	155.4	150.8	148.4	148.4	148.4	148.4
40°	1006.7	777.0	354.9	199.5	160.0	148.4	143.8	143.8	143.8	141.5	141.5
42.5°	1092.5	814.2	331.7	187.9	155.4	143.8	139.2	136.9	136.9	136.9	136.9
45°	1194.6	853.6	310.8	178.6	153.1	141.5	136.9	132.2	132.2	132.2	129.9
47.5°	1303.6	900.0	294.6	174.0	148.4	139.2	132.2	129.9	127.6	125.3	125.3
50°	1421.9	953.3	287.6	171.6	146.1	134.5	127.6	125.3	122.9	118.3	118.3
52.5°	1533.2	1006.7	292.3	169.3	143.8	129.9	122.9	122.9	118.3	113.7	116.0
55°	1623.7	1057.7	296.9	169.3	141.5	122.9	118.3	118.3	113.7	109.0	109.0
57.5°	1704.8	1094.8	299.2	171.6	141.5	118.3	111.3	113.7	109.0	106.7	106.7
60°	1765.2	1108.7	299.2	176.3	141.5	113.7	104.4	109.0	106.7	102.1	104.4
62.5°	1760.5	1053.1	278.3	178.6	141.5	111.3	99.7	104.4	109.0	104.4	104.4
65°	1602.8	839.7	241.2	167.0	139.2	109.0	92.8	99.7	106.7	104.4	104.4
67.5°	1213.1	556.7	194.8	150.8	127.6	104.4	88.1	88.1	95.1	92.8	95.1
70°	709.8	301.5	160.0	129.9	111.3	95.1	81.2	76.5	76.5	76.5	76.5
72.5°	292.3	176.3	129.9	109.0	95.1	81.2	71.9	64.9	62.6	62.6	62.6
75°	162.4	129.9	106.7	88.1	76.5	67.3	62.6	55.7	53.3	53.3	53.3
77.5°	118.3	106.7	85.8	67.3	58.0	53.3	48.7	46.4	44.1	44.1	44.1
80°	90.5	83.5	64.9	51.0	44.1	37.1	37.1	34.8	34.8	34.8	34.8
82.5°	53.3	62.6	46.4	34.8	32.5	27.8	25.5	25.5	25.5	23.2	23.2
85°	34.8	46.4	27.8	20.9	16.2	13.9	16.2	13.9	13.9	11.6	11.6
87.5°	7.0	13.9	7.0	2.3	2.3	2.3	2.3	2.3	2.3	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)