

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: P526238

Luminaire Tested: **GALN-SA1A-830-U-T2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526238
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-SA1A-830-U-T2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 615mA 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: 3084 lumens
Efficiency: N/A
Efficacy: 93.5 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): 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



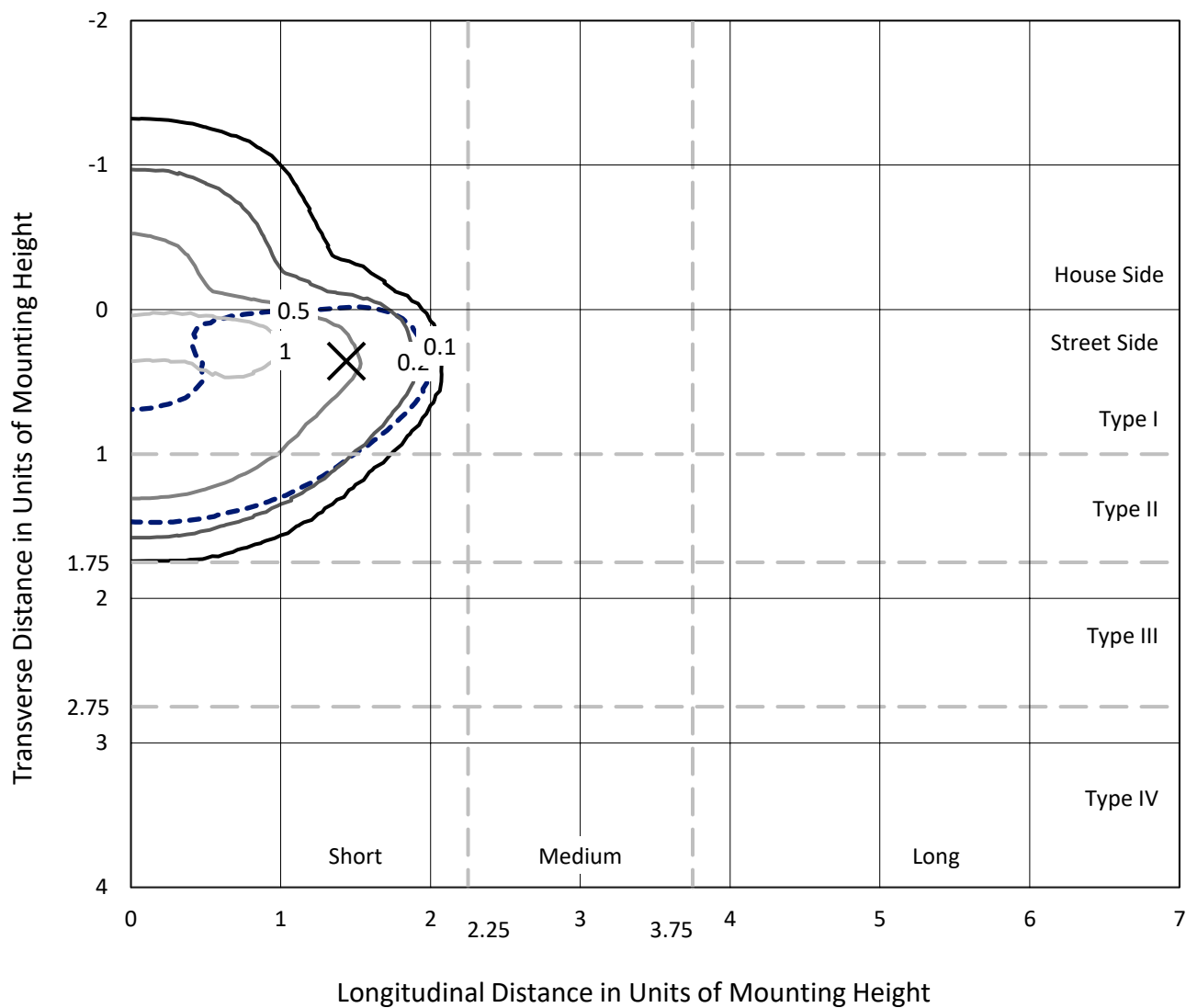
REPORT NUMBER: P526238

CATALOG NUMBER: GALN-SA1A-830-U-T2-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

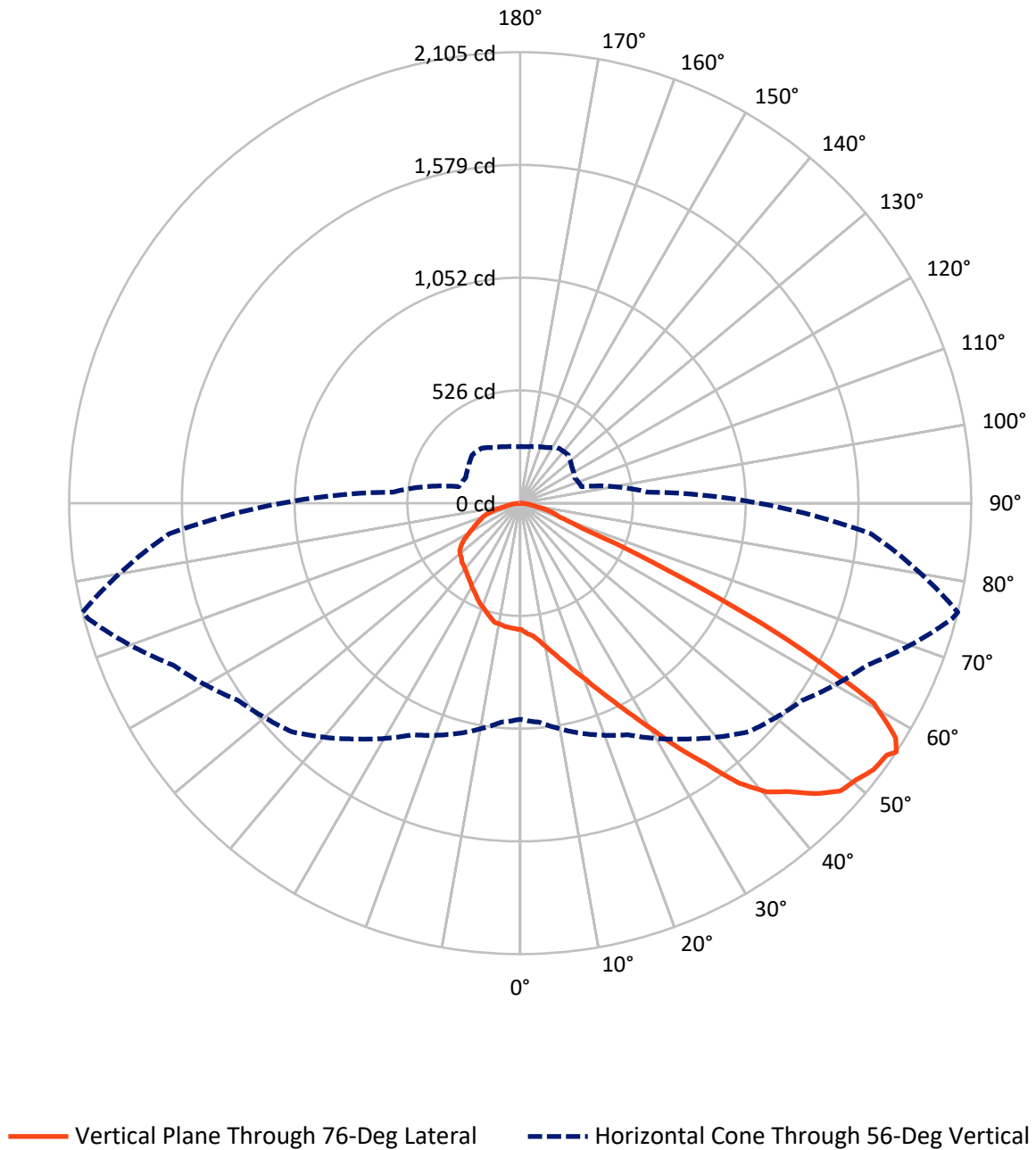
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - N/A

REPORT NUMBER: P526238
CATALOG NUMBER: GALN-SA1A-830-U-T2-GRSWH

Luminous Intensity Polar Plot



REPORT NUMBER: P526238

CATALOG NUMBER: GALN-SA1A-830-U-T2-GRSWH

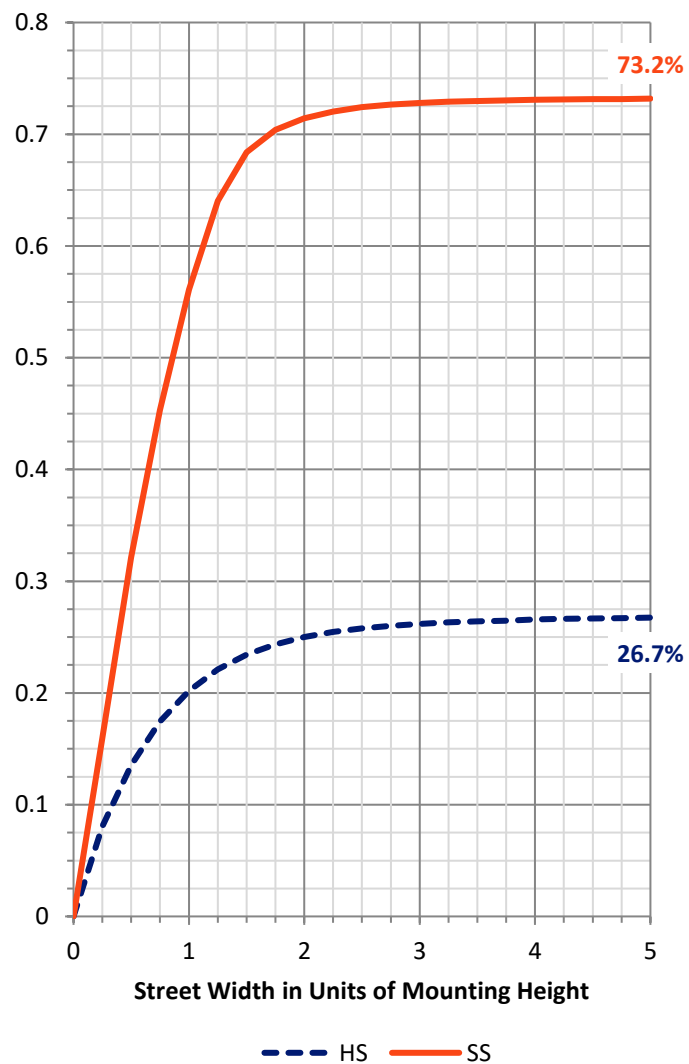
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	829.2	0.0	829.2
	% Fixture	26.9	0.0	26.9
Street Side	Lumens	2254.8	0.0	2254.8
	% Fixture	73.1	0.0	73.1
Total	Lumens	3084.0	0.0	3084.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.5	1.9
10°-20°	183.8	6.0
20°-30°	321.5	10.4
30°-40°	503.4	16.3
40°-50°	732.2	23.7
50°-60°	804.8	26.1
60°-70°	359.2	11.6
70°-80°	103.8	3.4
80°-90°	16.8	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°	3084.0	100.0
0°-180°	3084.0	100.0

Coefficient of Utilization



REPORT NUMBER: P526238

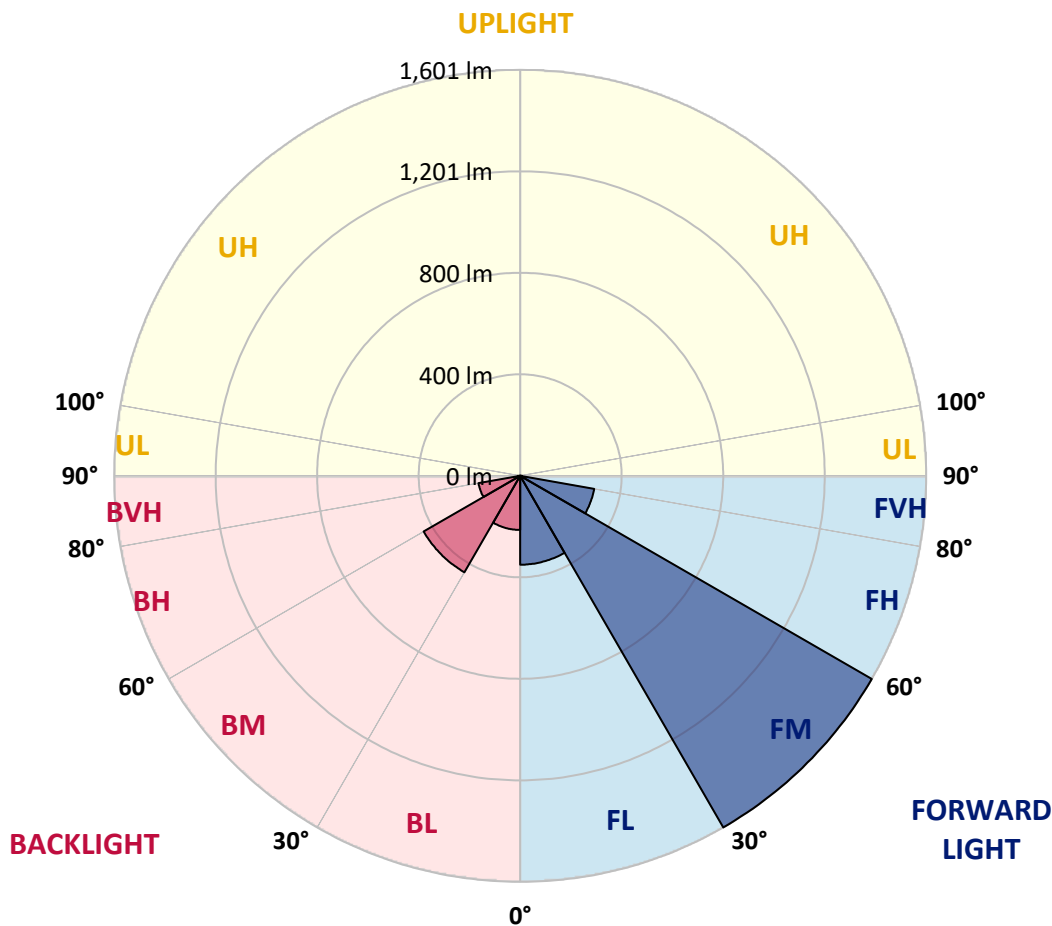
CATALOG NUMBER: GALN-SA1A-830-U-T2-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	350.5	11.4			
FM	(30°-60°)	1601.0	51.9			
FH	(60°-80°)	296.1	9.6			G0/660
FVH	(80°-90°)	7.2	0.2			G0/10
BL	(0°-30°)	213.4	6.9	B1/500		
BM	(30°-60°)	439.4	14.2	B1/1000		
BH	(60°-80°)	166.8	5.4	B1/500		G1/500
BVH	(80°-90°)	9.6	0.3			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: P526238

CATALOG NUMBER: GALN-SA1A-830-U-T2-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	650.1	639.7	638.9	636.1	637.7	630.5	622.9	612.9	602.5	608.9	593.7
5°	695.6	681.6	687.2	677.6	678.8	669.2	653.6	642.1	629.3	621.7	610.9
7.5°	711.6	712.8	716.8	715.2	707.2	707.2	696.8	676.4	654.0	649.7	631.7
10°	733.2	733.6	729.2	730.4	741.6	736.4	727.2	718.4	689.6	684.4	652.5
12.5°	740.8	733.6	740.8	747.2	760.4	767.6	765.6	759.2	728.4	724.8	678.0
15°	742.0	737.6	743.6	758.0	769.6	800.0	815.2	810.8	770.0	770.4	706.8
17.5°	736.4	742.4	744.8	757.2	784.0	812.4	856.3	862.3	828.8	823.6	743.2
20°	744.0	739.6	742.8	754.0	789.6	834.0	891.5	931.1	883.9	880.3	780.8
22.5°	773.2	767.2	766.4	773.6	799.2	845.1	928.7	999.9	951.1	953.1	827.6
25°	796.0	799.2	796.4	796.0	812.0	861.9	977.9	1081.8	1042.2	1030.6	882.7
27.5°	835.2	842.7	837.2	844.7	841.1	887.1	1013.1	1172.6	1140.6	1125.0	932.7
30°	889.5	893.5	888.3	888.3	877.5	922.3	1045.0	1267.3	1254.1	1232.9	991.5
32.5°	961.1	967.1	956.7	950.7	949.1	974.7	1102.6	1360.9	1383.3	1365.3	1069.4
35°	1055.8	1052.2	1039.8	1034.2	1012.7	1055.0	1188.2	1468.4	1527.2	1495.2	1163.8
37.5°	1139.4	1133.8	1133.0	1101.8	1107.0	1141.8	1260.9	1550.0	1666.7	1657.5	1263.3
40°	1217.3	1222.5	1230.9	1213.3	1205.4	1243.7	1345.7	1612.3	1775.0	1771.5	1340.1
42.5°	1300.9	1296.1	1310.9	1296.1	1284.1	1338.5	1437.6	1655.5	1870.2	1840.6	1420.4
45°	1422.0	1406.8	1412.0	1413.2	1404.4	1424.4	1475.6	1686.7	1937.0	1933.8	1479.2
47.5°	1523.2	1523.6	1514.8	1508.0	1481.2	1501.2	1518.0	1706.3	2013.7	2008.5	1502.0
50°	1560.8	1555.6	1581.2	1595.9	1597.5	1556.8	1551.2	1717.1	2054.1	2031.3	1524.8
52.5°	1425.6	1430.4	1470.8	1558.8	1609.5	1613.9	1589.9	1739.5	2070.5	2065.7	1543.2
55°	1147.4	1170.6	1236.9	1338.5	1458.8	1591.1	1631.9	1762.7	2079.3	2075.3	1624.7
56°	1008.7	1026.6	1113.0	1192.6	1343.7	1508.4	1605.5	1787.4	2086.1	2104.9	1643.9
57.5°	812.0	832.8	894.7	985.1	1163.4	1350.9	1532.8	1757.1	2059.7	2066.9	1657.9
60°	507.7	509.7	584.1	643.7	769.2	952.3	1169.8	1528.8	1906.2	1895.8	1489.2
62.5°	333.0	333.4	401.0	449.8	506.9	548.9	688.4	1013.9	1406.4	1388.1	1060.2
65°	233.9	239.1	291.4	356.6	379.8	357.8	353.4	534.5	785.6	759.2	569.7
67.5°	171.1	171.5	217.9	287.8	321.4	272.3	221.1	261.1	311.0	310.2	263.9
70°	113.1	117.9	153.5	215.1	253.5	218.7	180.7	186.7	197.9	197.9	196.3
72.5°	66.0	70.4	93.9	136.3	142.3	136.7	143.1	159.9	167.1	166.7	164.7
75°	37.6	39.6	44.8	56.8	70.8	83.6	105.1	121.1	128.3	132.7	127.5
77.5°	22.0	23.2	26.4	32.4	36.8	45.2	57.2	68.4	78.0	76.8	77.6
80°	11.6	11.6	14.8	19.2	25.6	32.0	38.0	44.4	49.6	50.8	52.0
82.5°	6.8	7.2	9.6	14.0	18.4	22.8	29.2	33.6	38.4	38.8	39.6
85°	3.6	4.0	6.0	9.2	12.4	14.0	14.4	13.6	14.8	14.0	16.0
87.5°	1.2	1.2	2.0	1.6	1.6	2.0	2.4	2.4	3.2	3.2	3.2
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: P526238

CATALOG NUMBER: GALN-SA1A-830-U-T2-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1	590.1
2.5°	593.3	593.3	586.5	573.7	571.7	566.5	561.7	561.3	557.7	554.5	552.9
5°	604.5	592.1	582.1	570.5	556.9	550.5	543.3	535.3	532.1	535.3	534.9
7.5°	617.3	606.9	576.9	555.3	539.7	533.3	525.3	516.9	517.7	517.7	512.1
10°	629.7	615.7	567.7	540.1	517.3	512.5	508.1	511.3	515.3	516.1	512.5
12.5°	650.5	618.9	563.3	524.9	510.5	500.1	502.9	511.7	520.1	517.7	520.5
15°	666.0	621.7	543.3	509.3	491.3	496.1	506.1	512.1	526.1	524.5	527.3
17.5°	681.2	623.3	523.7	488.5	480.9	494.1	501.7	518.9	523.3	532.9	536.5
20°	712.4	626.5	503.7	475.7	473.3	488.5	501.7	509.7	519.3	527.7	527.7
22.5°	728.4	624.9	490.5	459.0	466.5	476.1	488.1	501.7	501.7	509.7	510.1
25°	748.4	618.5	469.7	451.0	456.6	465.8	479.3	474.5	479.7	479.7	486.1
27.5°	771.2	604.9	451.8	436.6	447.8	457.8	459.8	456.6	450.6	449.8	447.4
30°	789.6	588.1	438.6	431.8	441.0	446.6	440.2	433.4	423.0	422.2	416.6
32.5°	814.8	567.3	422.2	419.8	430.2	430.6	428.6	418.2	403.0	396.6	390.2
35°	857.1	555.3	409.8	413.4	416.6	415.4	411.8	400.6	385.4	382.6	380.2
37.5°	888.3	546.5	397.0	401.4	404.2	405.8	395.0	382.6	383.0	377.4	375.8
40°	923.5	540.9	386.6	388.6	389.0	394.2	381.0	375.0	377.8	374.2	376.6
42.5°	968.7	542.5	375.8	374.2	381.8	379.8	373.4	365.4	367.0	356.2	357.8
45°	992.7	553.3	369.4	362.2	370.6	370.2	361.8	354.2	344.6	323.8	324.6
47.5°	1008.7	556.1	354.2	349.4	358.2	363.4	353.8	336.2	322.6	307.8	304.2
50°	1025.1	561.3	347.0	337.0	340.6	353.0	341.0	324.2	311.0	297.8	299.8
52.5°	1039.4	571.3	333.0	318.2	324.6	338.2	331.8	311.4	297.0	286.2	283.0
55°	1103.4	593.7	309.4	290.2	305.4	322.6	319.0	294.2	278.7	273.1	272.3
56°	1113.4	594.5	297.0	280.6	294.6	317.4	313.0	286.6	272.7	263.9	264.3
57.5°	1115.0	584.9	279.5	271.9	283.8	309.8	304.2	280.6	261.5	253.5	251.1
60°	981.1	456.6	257.5	252.7	266.7	286.6	284.6	264.3	242.7	233.5	237.9
62.5°	668.8	334.6	240.3	239.5	246.7	266.3	261.1	242.7	224.7	218.7	215.9
65°	389.4	253.9	223.5	220.3	226.3	236.7	240.3	221.1	202.3	198.3	197.1
67.5°	229.9	209.9	201.9	196.7	194.7	201.1	203.9	192.7	173.9	168.3	173.1
70°	192.3	186.7	187.1	178.3	173.5	169.1	166.7	156.7	141.1	133.9	131.9
72.5°	165.9	163.5	161.9	153.9	149.5	139.5	129.1	119.1	107.5	101.5	101.9
75°	126.7	125.9	126.7	122.7	115.1	107.1	97.5	84.8	76.0	68.4	70.0
77.5°	75.6	78.0	79.2	77.6	74.4	67.2	61.2	52.8	44.4	38.4	37.6
80°	52.0	54.0	56.0	54.0	50.8	45.6	39.2	32.8	26.8	23.6	22.8
82.5°	39.6	41.6	42.8	40.8	36.8	31.2	26.8	22.4	17.6	14.4	13.6
85°	14.4	16.4	16.0	19.2	20.8	20.0	17.2	13.2	10.0	7.2	6.8
87.5°	4.0	3.6	4.0	4.0	4.0	3.6	3.2	3.2	3.2	2.0	1.6
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)