

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: STREETWORKS

Report Number: P650210

Luminaire Tested: **GLAN-SA1B-835-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P650210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-835-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4533.6 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

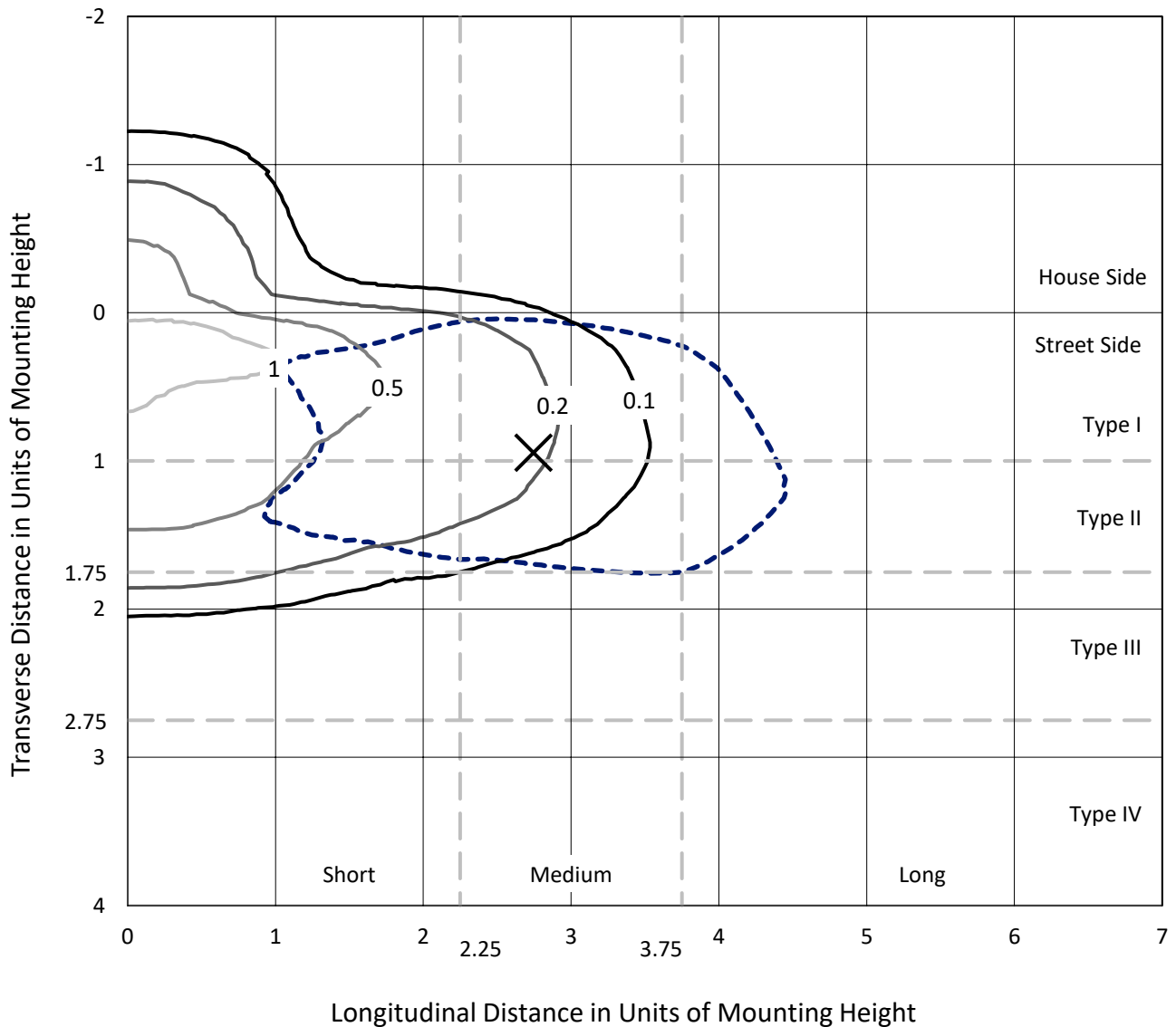
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

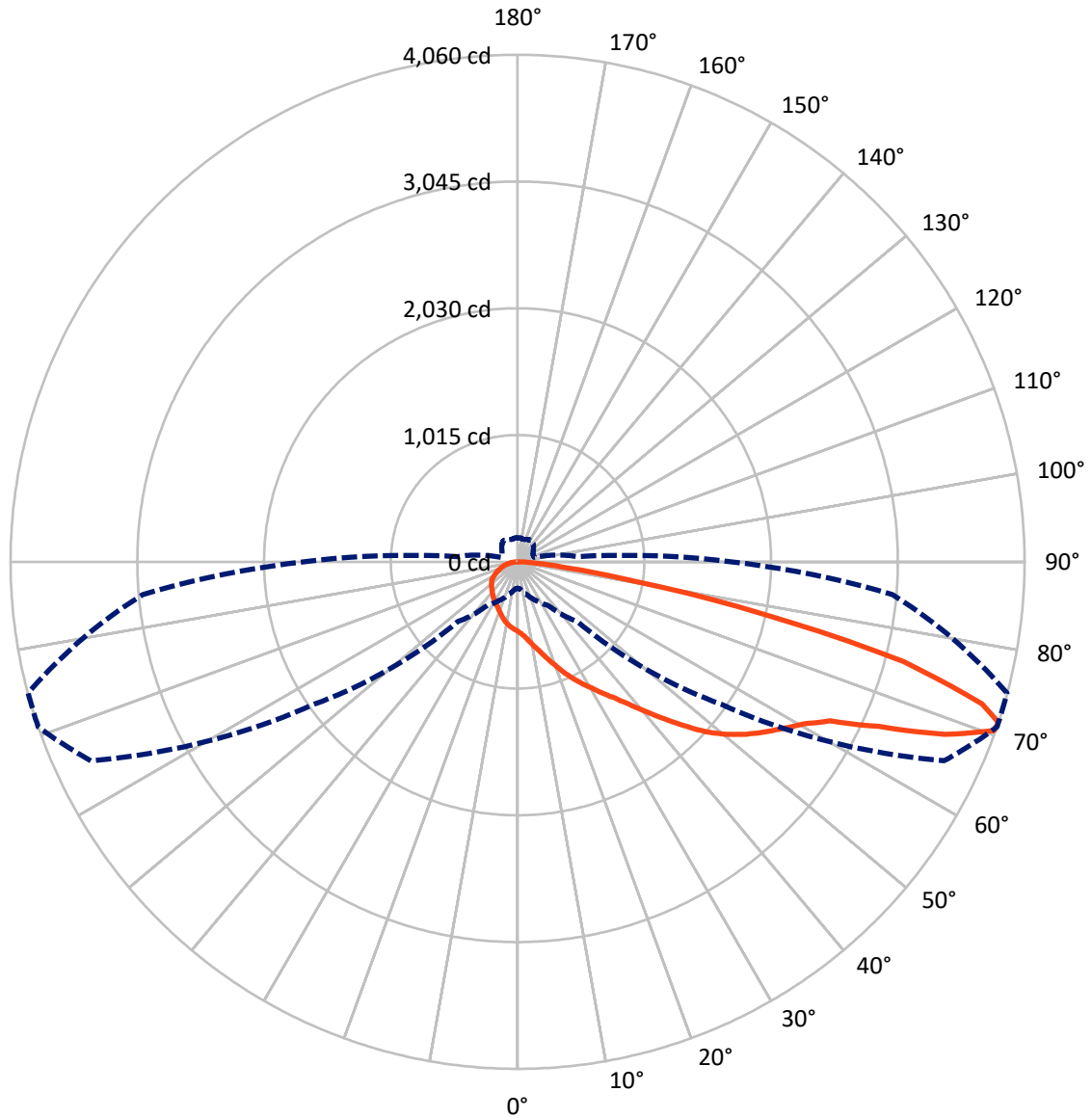
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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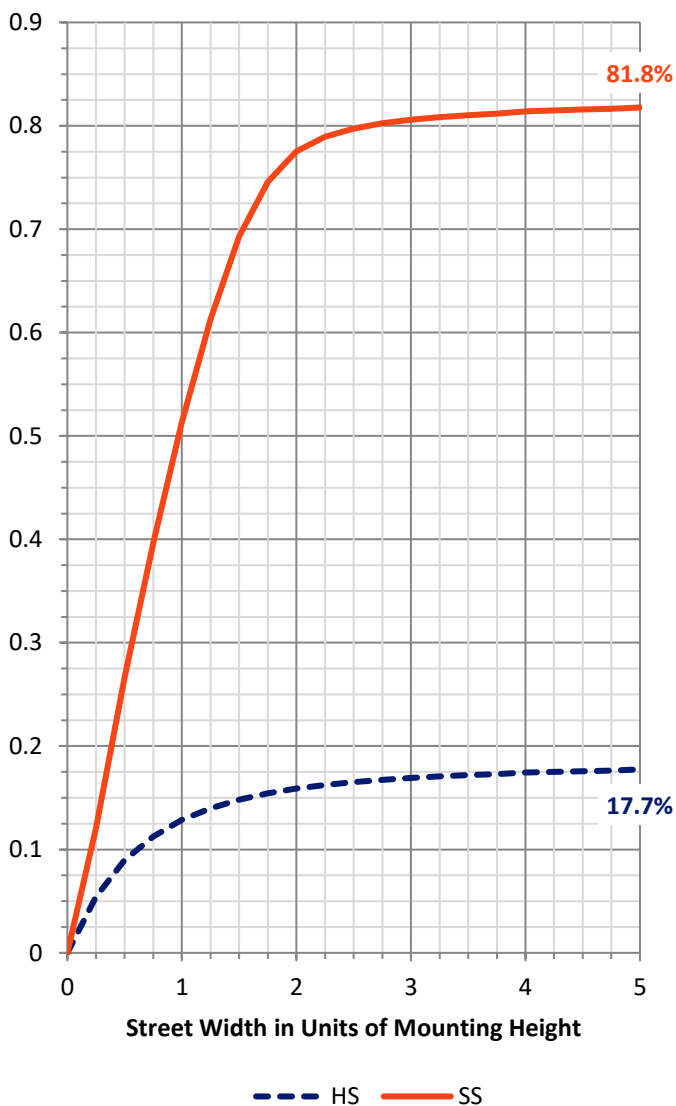
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	815.3	0.0	815.3
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	3718.2	0.0	3718.2
	% Fixture	82.0	0.0	82.0
Total	Lumens	4533.6	0.0	4533.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.2
10°-20°	181.5	4.0
20°-30°	317.2	7.0
30°-40°	471.8	10.4
40°-50°	695.1	15.3
50°-60°	973.2	21.5
60°-70°	1088.5	24.0
70°-80°	664.9	14.7
80°-90°	85.5	1.9
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°	4533.6	100.0
0°-180°	4533.6	100.0

Coefficient of Utilization

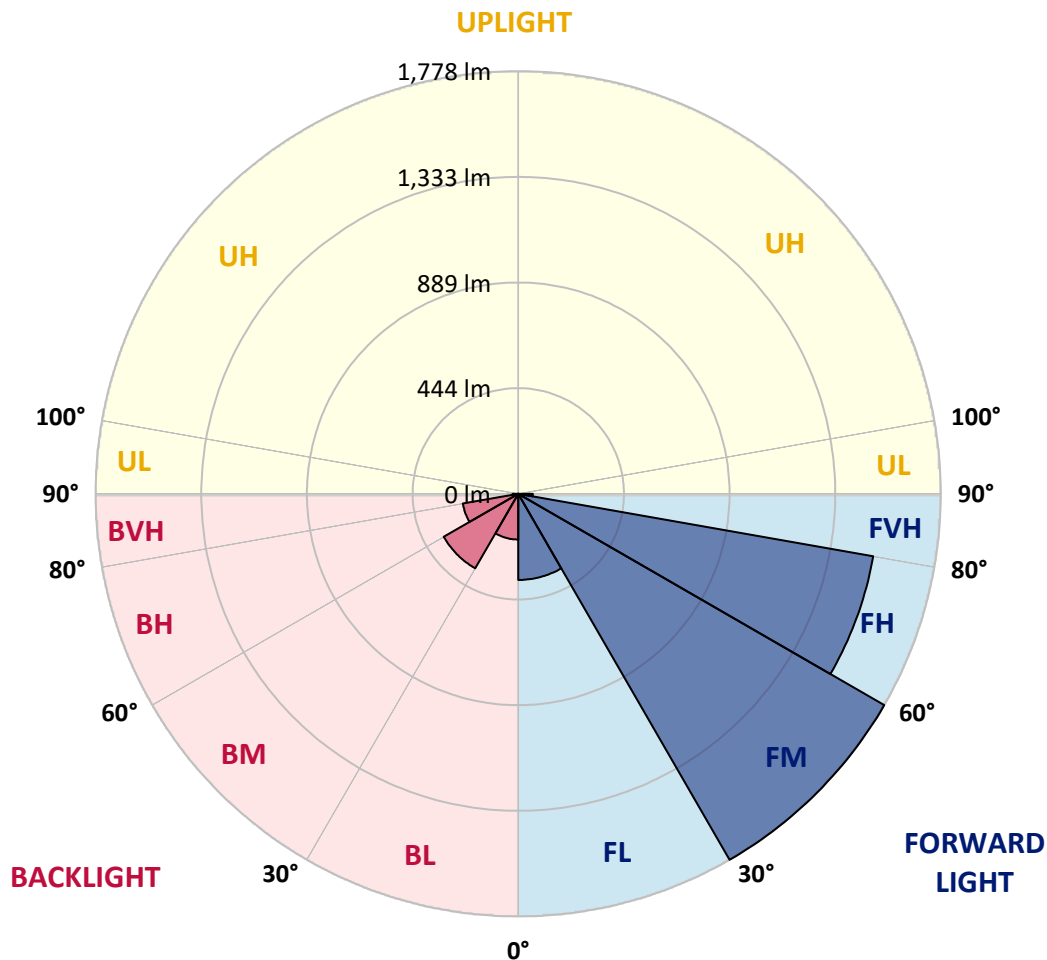


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	362.2	8.0			
FM (30°-60°)	1778.0	39.2			
FH (60°-80°)	1516.5	33.4			G1/1800
FVH (80°-90°)	61.5	1.4			G1/100
BL (0°-30°)	192.3	4.2	B1/500		
BM (30°-60°)	362.1	8.0	B1/1000		
BH (60°-80°)	236.9	5.2	B1/500		G1/500
BVH (80°-90°)	24.0	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4
2.5°	617.7	614.7	615.0	610.7	605.3	599.2	590.8	583.3	577.3	573.9	563.6
5°	684.5	681.5	677.8	668.5	664.5	649.8	631.2	614.2	601.3	594.1	573.6
7.5°	738.5	737.8	736.8	731.6	721.4	700.9	685.0	655.6	636.4	622.7	587.8
10°	772.0	773.2	773.9	774.9	770.7	760.0	738.1	700.9	676.5	659.1	606.3
12.5°	788.9	790.1	794.4	803.6	809.3	808.1	790.1	753.7	720.1	697.2	625.9
15°	799.4	801.3	808.8	821.1	840.2	852.5	843.7	810.1	773.2	746.0	649.3
17.5°	810.8	813.1	821.3	838.7	863.9	890.3	899.7	870.9	830.8	798.3	675.5
20°	817.3	820.3	832.0	854.9	884.3	922.7	954.1	938.9	895.0	859.2	705.6
22.5°	827.8	830.2	840.2	864.7	899.7	947.8	1008.4	1005.1	966.5	920.2	738.8
25°	856.1	860.1	865.1	879.9	913.8	973.5	1053.5	1075.9	1035.8	984.0	769.2
27.5°	909.8	913.0	912.7	914.7	933.9	995.7	1092.6	1145.9	1104.6	1048.5	798.6
30°	970.8	972.0	973.0	968.6	972.8	1018.4	1128.5	1215.2	1173.9	1114.8	824.3
32.5°	1045.1	1047.5	1039.0	1027.6	1024.1	1052.0	1158.1	1284.5	1255.9	1182.1	849.7
35°	1132.8	1139.2	1122.0	1101.8	1087.7	1100.3	1198.1	1355.3	1339.8	1268.1	883.3
37.5°	1232.9	1240.9	1224.9	1185.3	1165.1	1168.6	1250.1	1442.8	1446.0	1365.9	933.4
40°	1314.9	1325.4	1325.9	1269.8	1239.2	1243.2	1316.1	1536.9	1574.1	1487.1	992.5
42.5°	1369.0	1379.2	1389.9	1357.0	1324.8	1347.5	1393.1	1639.1	1718.1	1634.1	1074.9
45°	1428.3	1437.5	1443.5	1428.5	1410.6	1469.4	1486.1	1747.7	1871.5	1798.3	1165.1
47.5°	1497.0	1507.3	1513.0	1498.8	1492.1	1576.3	1586.3	1849.1	2035.5	1957.7	1264.8
50°	1588.7	1596.5	1593.5	1584.5	1583.0	1658.2	1682.4	1944.0	2170.8	2129.4	1368.2
52.5°	1702.9	1712.1	1715.3	1702.6	1696.8	1716.8	1759.9	2030.6	2293.9	2277.0	1478.6
55°	1771.9	1786.6	1835.9	1855.9	1869.6	1792.5	1843.4	2125.9	2404.3	2432.5	1597.2
57.5°	1683.4	1702.3	1812.7	1912.4	2041.2	1981.9	1961.7	2225.6	2514.7	2583.2	1739.2
60°	1467.7	1471.9	1614.2	1797.8	2056.9	2225.4	2208.7	2384.1	2634.2	2735.2	1926.3
62.5°	1018.1	1027.1	1195.3	1488.3	1863.1	2313.1	2628.8	2657.7	2805.7	2962.7	2200.7
65°	525.0	513.3	666.6	935.4	1404.6	2104.8	2969.1	3160.8	3177.5	3318.5	2587.0
67.5°	323.1	328.4	400.2	546.2	830.5	1529.7	2933.5	3775.5	3687.5	3755.3	2945.5
70°	242.7	249.2	298.5	373.7	506.3	874.6	2359.2	3924.5	4047.3	4029.9	3054.6
71°	211.0	217.8	269.1	340.1	425.3	675.0	1987.6	3768.5	4059.8	4056.8	3013.5
72.5°	179.9	184.2	224.3	288.1	358.5	473.2	1493.3	3379.8	3886.7	3986.0	2866.7
75°	141.3	144.5	162.5	219.8	282.3	290.6	801.3	2533.9	3192.1	3381.5	2386.6
77.5°	115.1	117.4	126.6	163.2	217.8	205.9	420.4	1649.3	1999.9	2190.5	1405.9
80°	91.5	94.0	99.4	110.6	163.2	146.7	200.6	835.7	966.1	964.0	561.2
82.5°	71.0	71.8	78.2	81.2	111.7	104.1	108.6	353.8	392.0	404.9	202.6
85°	44.9	47.1	69.3	62.3	66.8	61.1	53.6	140.5	173.2	170.7	81.0
87.5°	13.7	14.5	23.4	26.4	29.7	26.7	19.7	41.3	50.6	54.8	20.2
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°	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4	556.4
2.5°	559.6	556.9	547.2	539.3	531.7	523.5	516.5	514.5	512.8	512.1	511.8
5°	564.9	556.6	537.5	521.8	509.3	497.8	490.6	487.4	484.1	484.1	485.1
7.5°	572.4	557.4	527.7	504.3	488.6	477.9	472.7	472.1	472.9	473.7	473.9
10°	580.6	556.9	513.6	484.4	470.4	465.5	465.7	470.0	473.9	476.9	477.4
12.5°	588.6	553.9	496.9	465.7	456.7	457.7	464.7	474.2	481.9	486.2	486.4
15°	597.5	549.2	476.7	448.0	445.1	452.7	465.7	480.1	491.9	498.8	499.6
17.5°	605.0	541.2	455.5	430.8	434.6	448.7	466.7	485.4	499.6	508.3	509.8
20°	613.5	531.0	433.5	414.4	425.1	444.3	464.7	484.9	499.6	508.1	510.0
22.5°	620.2	516.5	412.6	400.9	416.6	438.8	458.0	474.2	486.2	490.6	493.6
25°	623.0	498.4	392.9	389.9	409.9	429.8	442.8	452.0	455.7	455.2	456.5
27.5°	621.5	477.4	376.0	381.2	401.4	415.9	422.4	421.6	414.9	408.6	411.6
30°	615.2	452.5	361.8	372.2	390.5	398.5	397.5	387.7	375.0	363.3	364.0
32.5°	604.0	425.6	348.6	362.1	375.0	378.5	371.8	359.1	340.8	325.6	323.5
35°	594.5	400.0	336.8	350.3	359.6	357.8	351.3	334.9	318.4	305.0	302.7
37.5°	593.0	378.0	325.6	337.2	342.3	339.9	331.9	318.0	311.9	301.8	300.5
40°	601.0	362.5	314.2	323.1	325.6	323.7	314.9	307.0	312.5	310.0	310.0
42.5°	622.7	354.3	304.0	309.2	311.2	312.7	306.5	299.7	306.5	295.0	291.3
45°	657.1	354.5	294.8	295.5	301.5	306.7	302.5	292.5	289.0	266.1	261.6
47.5°	707.7	363.1	287.3	282.6	293.3	302.0	296.1	281.6	266.1	251.0	248.2
50°	766.7	378.3	280.5	269.1	282.3	296.1	291.5	274.6	258.6	249.4	247.7
52.5°	832.3	397.5	272.3	254.2	268.9	293.3	292.5	273.6	251.7	245.5	243.9
55°	913.2	416.4	262.1	236.7	256.9	291.0	289.8	265.4	250.2	245.7	245.2
57.5°	1007.4	443.8	247.4	219.0	243.2	281.8	279.1	260.4	245.2	241.9	241.7
60°	1159.2	486.4	226.5	202.8	229.3	265.6	269.1	251.9	237.2	236.5	236.2
62.5°	1358.7	546.2	204.8	186.1	213.1	244.7	254.6	240.5	228.7	232.5	232.9
65°	1634.4	596.5	182.4	171.9	195.1	224.5	240.9	229.7	219.2	226.5	226.5
67.5°	1814.0	597.5	161.9	157.2	176.9	207.6	226.5	217.0	207.0	219.2	219.8
70°	1776.6	523.5	145.0	141.8	159.2	189.4	210.5	203.1	191.6	202.6	198.6
71°	1716.3	482.4	138.3	135.8	152.2	180.6	203.1	196.8	185.4	192.6	190.3
72.5°	1620.1	418.8	127.3	127.9	141.8	169.7	192.6	186.1	174.7	178.7	177.9
75°	1369.5	365.8	108.9	111.1	121.8	151.0	171.7	166.7	155.0	155.0	154.3
77.5°	856.1	255.6	90.4	91.7	103.4	129.4	147.5	143.3	132.1	128.3	127.3
80°	319.5	132.1	70.8	72.3	79.5	101.9	122.1	118.1	106.6	102.4	98.4
82.5°	120.8	66.2	52.1	50.8	58.6	77.8	95.7	91.0	82.0	71.8	68.7
85°	45.6	32.9	31.9	30.9	34.4	46.1	59.3	58.3	48.9	41.6	40.9
87.5°	12.0	10.7	12.4	9.2	9.7	8.7	9.0	3.8	1.7	0.8	0.5
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)