

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: P654170

Luminaire Tested: **GLAN-SA1B-840-U-T2**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P654170
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-840-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4869.4 lumens
Efficiency: N/A
Efficacy: 110.7 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

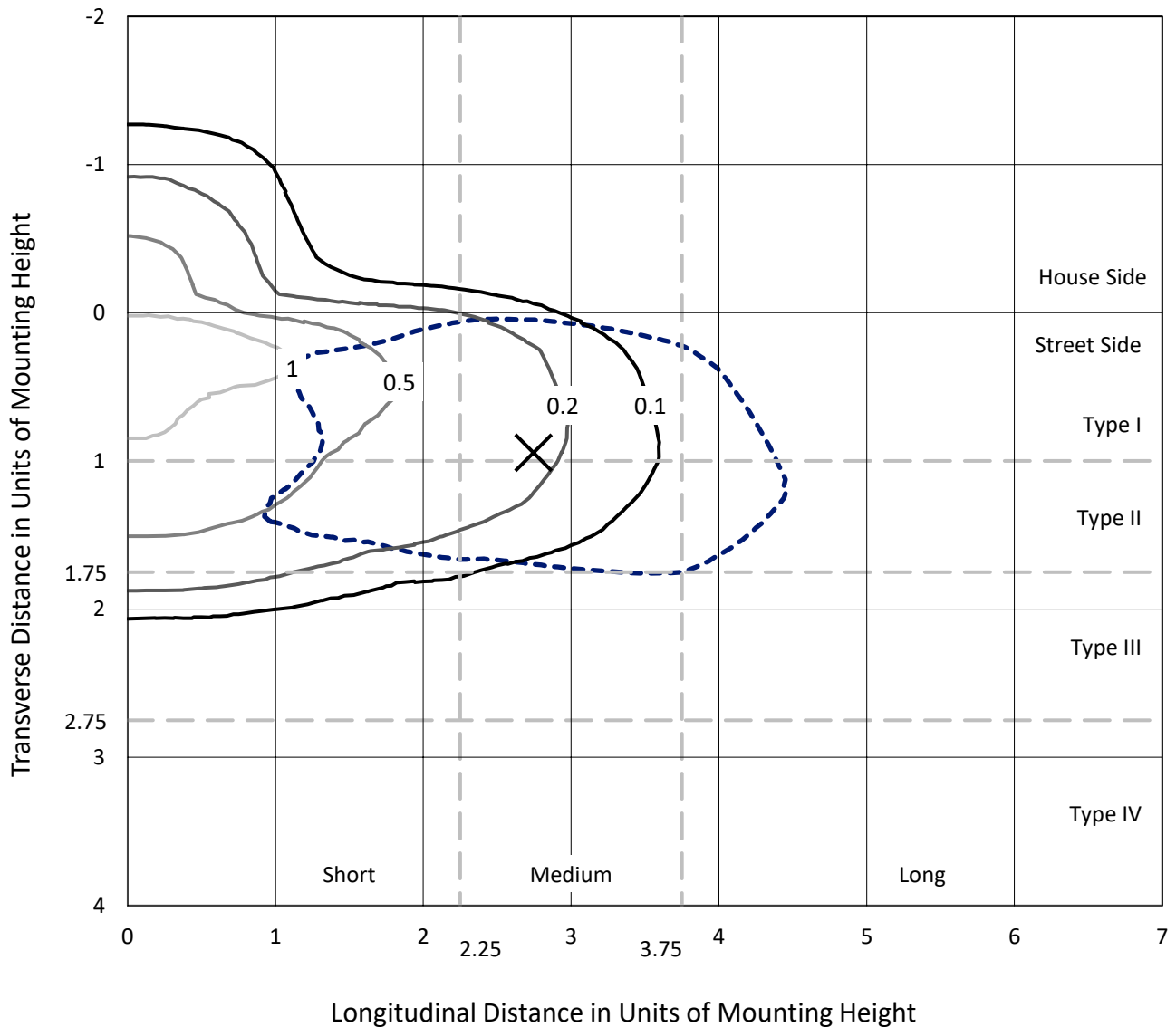
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P654170
 CATALOG NUMBER: GLAN-SA1B-840-U-T2

Iso-Footcandle Lines of Horizontal Illumination

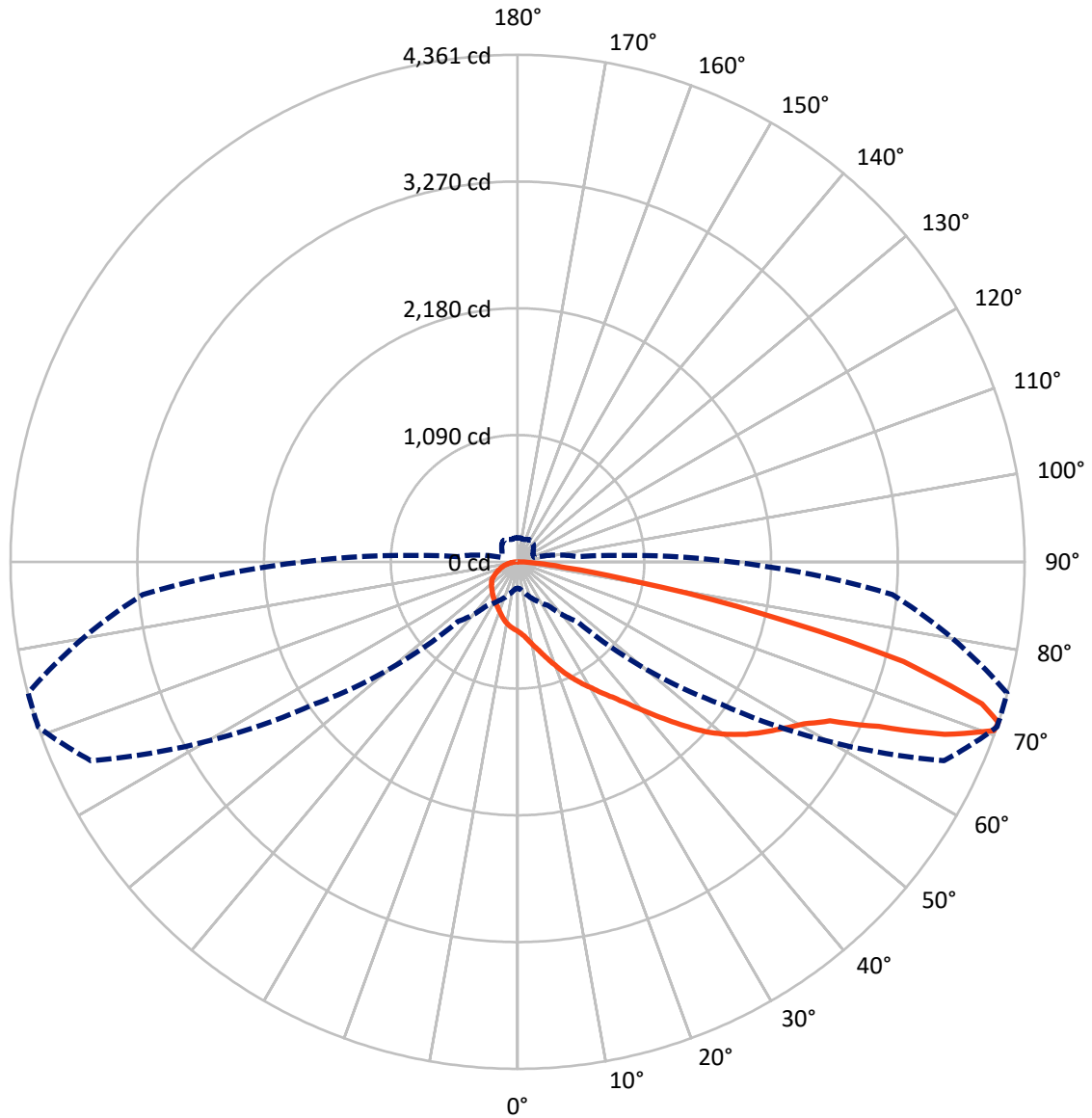
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P654170
CATALOG NUMBER: GLAN-SA1B-840-U-T2

Luminous Intensity Polar Plot



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

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 CATALOG NUMBER: GLAN-SA1B-840-U-T2

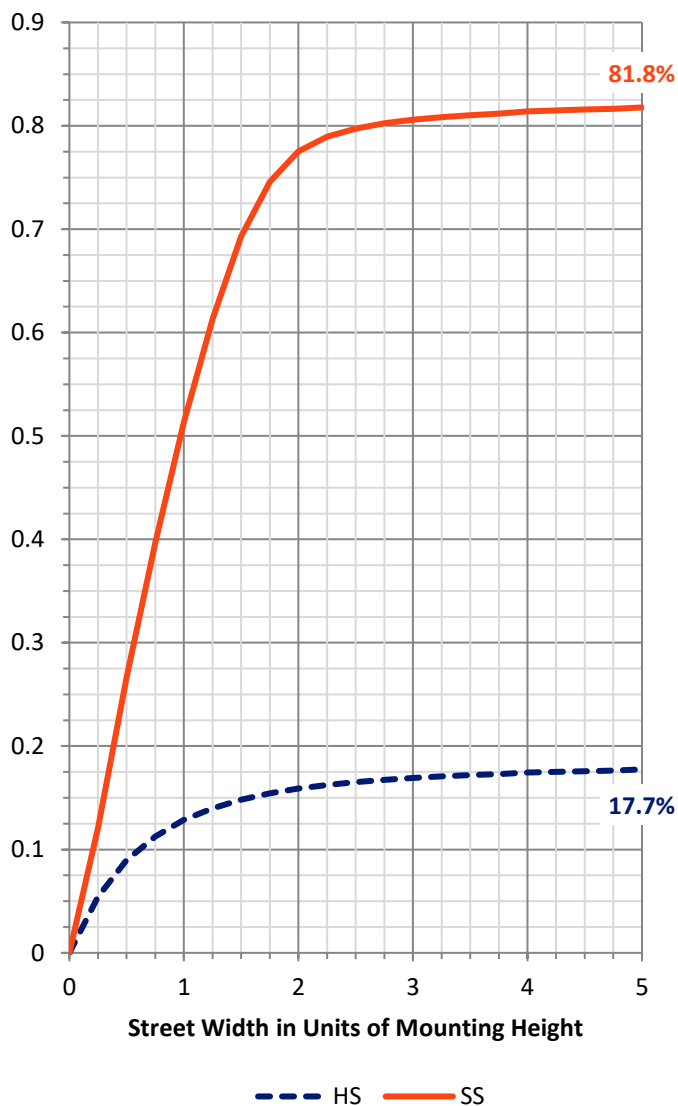
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	875.7	0.0	875.7
	% Fixture	18.0	0.0	18.0
Street Side	Lumens	3993.6	0.0	3993.6
	% Fixture	82.0	0.0	82.0
Total	Lumens	4869.4	0.0	4869.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.2
10°-20°	195.0	4.0
20°-30°	340.7	7.0
30°-40°	506.7	10.4
40°-50°	746.6	15.3
50°-60°	1045.3	21.5
60°-70°	1169.1	24.0
70°-80°	714.1	14.7
80°-90°	91.9	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°	4869.4	100.0
0°-180°	4869.4	100.0

Coefficient of Utilization

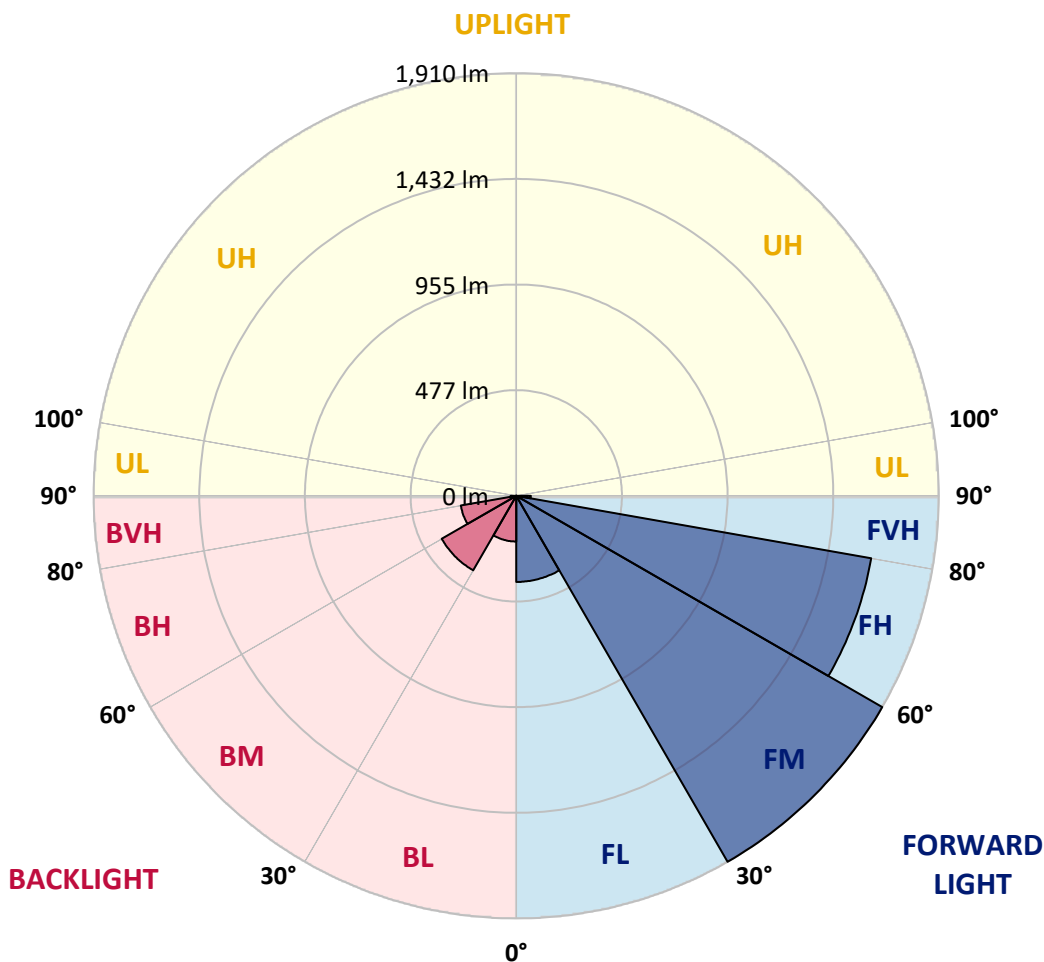


REPORT NUMBER: P654170
 CATALOG NUMBER: GLAN-SA1B-840-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	389.1	8.0			
FM (30°-60°)	1909.7	39.2			
FH (60°-80°)	1628.8	33.4			G1/1800
FVH (80°-90°)	66.1	1.4			G1/100
BL (0°-30°)	206.6	4.2	B1/500		
BM (30°-60°)	389.0	8.0	B1/1000		
BH (60°-80°)	254.4	5.2	B1/500		G1/500
BVH (80°-90°)	25.8	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





REPORT NUMBER: P654170
 CATALOG NUMBER: GLAN-SA1B-840-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6
2.5°	663.5	660.3	660.5	656.0	650.1	643.6	634.5	626.5	620.1	616.4	605.4
5°	735.2	732.0	728.0	718.0	713.8	697.9	677.9	659.7	645.8	638.1	616.1
7.5°	793.2	792.5	791.4	785.7	774.8	752.9	735.7	704.2	683.6	668.8	631.3
10°	829.1	830.5	831.2	832.3	827.8	816.3	792.7	752.9	726.6	707.9	651.2
12.5°	847.3	848.7	853.2	863.1	869.3	867.9	848.7	809.5	773.5	748.8	672.3
15°	858.6	860.7	868.8	881.9	902.5	915.6	906.2	870.1	830.5	801.3	697.4
17.5°	870.9	873.3	882.1	900.9	927.9	956.2	966.4	935.4	892.3	857.5	725.5
20°	877.8	881.0	893.6	918.2	949.8	991.0	1024.8	1008.4	961.3	922.8	757.9
22.5°	889.1	891.7	902.5	928.7	966.4	1018.0	1083.1	1079.6	1038.1	988.3	793.6
25°	919.5	923.8	929.2	945.0	981.4	1045.6	1131.6	1155.6	1112.6	1056.9	826.2
27.5°	977.2	980.6	980.4	982.5	1003.1	1069.4	1173.5	1230.8	1186.4	1126.2	857.7
30°	1042.7	1044.0	1045.1	1040.3	1044.9	1093.8	1212.1	1305.2	1260.8	1197.4	885.3
32.5°	1122.5	1125.1	1116.0	1103.7	1099.9	1130.0	1243.9	1379.7	1348.9	1269.7	912.7
35°	1216.7	1223.6	1205.2	1183.5	1168.2	1181.9	1286.8	1455.7	1439.0	1362.0	948.7
37.5°	1324.2	1332.8	1315.7	1273.1	1251.4	1255.2	1342.7	1549.6	1553.1	1467.1	1002.6
40°	1412.3	1423.6	1424.1	1363.8	1331.0	1335.3	1413.6	1650.7	1690.7	1597.2	1066.0
42.5°	1470.4	1481.3	1492.9	1457.5	1423.0	1447.4	1496.3	1760.5	1845.3	1755.2	1154.5
45°	1534.1	1544.0	1550.4	1534.3	1515.1	1578.2	1596.1	1877.2	2010.2	1931.5	1251.4
47.5°	1607.9	1618.9	1625.1	1609.8	1602.6	1693.0	1703.8	1986.1	2186.3	2102.8	1358.5
50°	1706.4	1714.7	1711.5	1701.8	1700.2	1781.1	1807.1	2088.0	2331.6	2287.2	1469.6
52.5°	1829.0	1838.9	1842.4	1828.8	1822.5	1844.0	1890.3	2181.0	2463.8	2445.6	1588.1
55°	1903.1	1918.9	1971.9	1993.3	2008.1	1925.3	1980.0	2283.4	2582.4	2612.7	1715.6
57.5°	1808.2	1828.4	1947.0	2054.1	2192.4	2128.7	2107.0	2390.5	2701.0	2774.5	1868.0
60°	1576.4	1580.9	1733.7	1930.9	2209.3	2390.2	2372.3	2560.7	2829.4	2937.8	2069.0
62.5°	1093.6	1103.1	1283.9	1598.6	2001.1	2484.4	2823.5	2854.5	3013.6	3182.2	2363.7
65°	563.9	551.4	715.9	1004.7	1508.7	2260.7	3189.1	3394.9	3412.9	3564.3	2778.6
67.5°	347.1	352.7	429.8	586.7	892.0	1643.0	3150.8	4055.1	3960.7	4033.4	3163.7
70°	260.7	267.6	320.6	401.4	543.8	939.4	2533.9	4215.2	4347.1	4328.4	3280.9
71°	226.6	233.9	289.1	365.3	456.8	725.0	2134.9	4047.6	4360.5	4357.3	3236.8
72.5°	193.3	197.8	240.9	309.4	385.1	508.2	1604.0	3630.2	4174.6	4281.3	3079.1
75°	151.7	155.2	174.5	236.1	303.3	312.1	860.7	2721.6	3428.6	3632.0	2563.4
77.5°	123.6	126.1	136.0	175.3	233.9	221.1	451.5	1771.5	2148.0	2352.8	1510.0
80°	98.2	100.9	106.8	118.8	175.3	157.6	215.5	897.6	1037.6	1035.4	602.7
82.5°	76.3	77.1	84.0	87.2	119.9	111.9	116.6	380.0	421.0	434.9	217.6
85°	48.2	50.5	74.4	66.9	71.7	65.6	57.5	151.0	186.0	183.3	87.0
87.5°	14.7	15.6	25.1	28.3	31.9	28.7	21.1	44.4	54.3	58.9	21.7
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: P654170
 CATALOG NUMBER: GLAN-SA1B-840-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6	597.6
2.5°	601.1	598.1	587.7	579.2	571.1	562.3	554.8	552.6	550.8	550.0	549.7
5°	606.7	597.9	577.3	560.4	547.1	534.7	527.0	523.5	520.0	520.0	521.1
7.5°	614.8	598.7	566.8	541.7	524.8	513.3	507.7	507.1	508.0	508.8	509.1
10°	623.6	598.1	551.6	520.2	505.3	500.0	500.2	504.8	509.1	512.3	512.8
12.5°	632.2	594.9	533.7	500.2	490.6	491.6	499.1	509.3	517.6	522.2	522.4
15°	641.8	589.9	512.0	481.2	478.0	486.3	500.2	515.7	528.3	535.8	536.6
17.5°	649.8	581.3	489.2	462.7	466.8	482.0	501.2	521.3	536.6	546.0	547.6
20°	658.9	570.3	465.7	445.1	456.6	477.2	499.1	520.8	536.6	545.7	547.8
22.5°	666.2	554.8	443.2	430.6	447.5	471.3	491.9	509.3	522.2	527.0	530.2
25°	669.1	535.3	422.0	418.8	440.3	461.6	475.6	485.5	489.5	489.0	490.3
27.5°	667.5	512.8	403.8	409.5	431.2	446.7	453.6	452.8	445.6	438.9	442.1
30°	660.8	486.0	388.6	399.8	419.4	428.0	426.9	416.5	402.8	390.2	391.0
32.5°	648.7	457.1	374.4	388.9	402.8	406.5	399.3	385.7	366.1	349.8	347.4
35°	638.6	429.6	361.8	376.3	386.2	384.3	377.4	359.7	342.0	327.6	325.1
37.5°	637.0	406.0	349.8	362.1	367.7	365.1	356.5	341.5	335.1	324.1	322.8
40°	645.6	389.4	337.5	347.1	349.8	347.7	338.3	329.8	335.6	333.0	333.0
42.5°	668.8	380.6	326.5	332.1	334.3	335.9	329.2	321.9	329.2	316.9	312.9
45°	705.8	380.8	316.6	317.4	323.9	329.4	324.9	314.2	310.4	285.9	281.0
47.5°	760.1	390.0	308.6	303.5	315.0	324.4	318.0	302.4	285.9	269.5	266.6
50°	823.5	406.3	301.3	289.1	303.3	318.0	313.1	294.9	277.8	267.9	266.0
52.5°	893.9	426.9	292.5	273.0	288.8	315.0	314.2	293.8	270.3	263.7	262.0
55°	980.9	447.2	281.6	254.2	275.9	312.6	311.3	285.0	268.7	263.9	263.3
57.5°	1082.0	476.7	265.8	235.2	261.2	302.7	299.7	279.7	263.3	259.9	259.6
60°	1245.0	522.4	243.3	217.8	246.2	285.3	289.1	270.5	254.8	254.0	253.7
62.5°	1459.4	586.7	220.0	199.9	228.8	262.8	273.5	258.3	245.7	249.7	250.2
65°	1755.4	640.7	195.9	184.7	209.6	241.1	258.8	246.7	235.5	243.3	243.3
67.5°	1948.3	641.8	173.9	168.9	190.0	222.9	243.3	233.1	222.4	235.5	236.1
70°	1908.2	562.3	155.8	152.3	171.0	203.4	226.1	218.2	205.8	217.6	213.3
71°	1843.5	518.1	148.5	145.8	163.5	194.0	218.2	211.4	199.1	206.9	204.4
72.5°	1740.1	449.9	136.7	137.3	152.3	182.2	206.9	199.9	187.6	191.9	191.1
75°	1470.9	392.9	117.0	119.3	130.9	162.1	184.4	179.0	166.4	166.4	165.7
77.5°	919.5	274.6	97.1	98.5	111.1	138.9	158.4	153.9	141.9	137.8	136.7
80°	343.1	141.9	76.0	77.6	85.4	109.5	131.1	126.8	114.5	110.0	105.7
82.5°	129.8	71.1	55.9	54.6	62.9	83.5	102.8	97.7	88.1	77.1	73.8
85°	48.9	35.3	34.2	33.2	36.9	49.5	63.7	62.7	52.5	44.7	43.9
87.5°	12.9	11.5	13.4	9.9	10.4	9.3	9.7	4.0	1.9	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)