

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P386170

Luminaire Tested: GAW-SA1D-735-U-T2-HSS

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-13)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1D-735-U-T2-HSS
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5537.7 lumens
Efficiency: N/A
Efficacy: 82.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

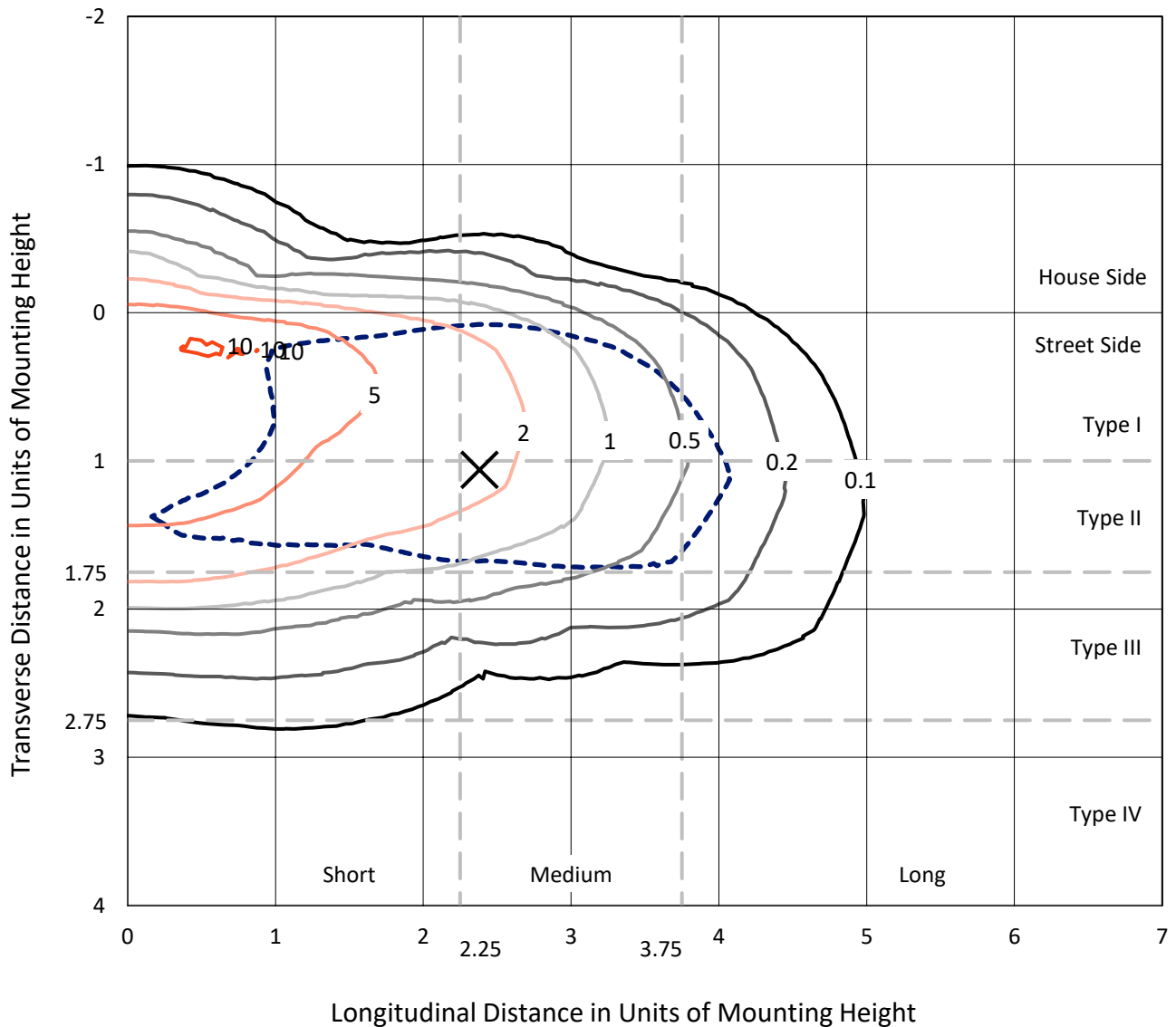
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386170
 CATALOG NUMBER: GAW-SA1D-735-U-T2-HSS

Iso-Footcandle Lines of Horizontal Illumination

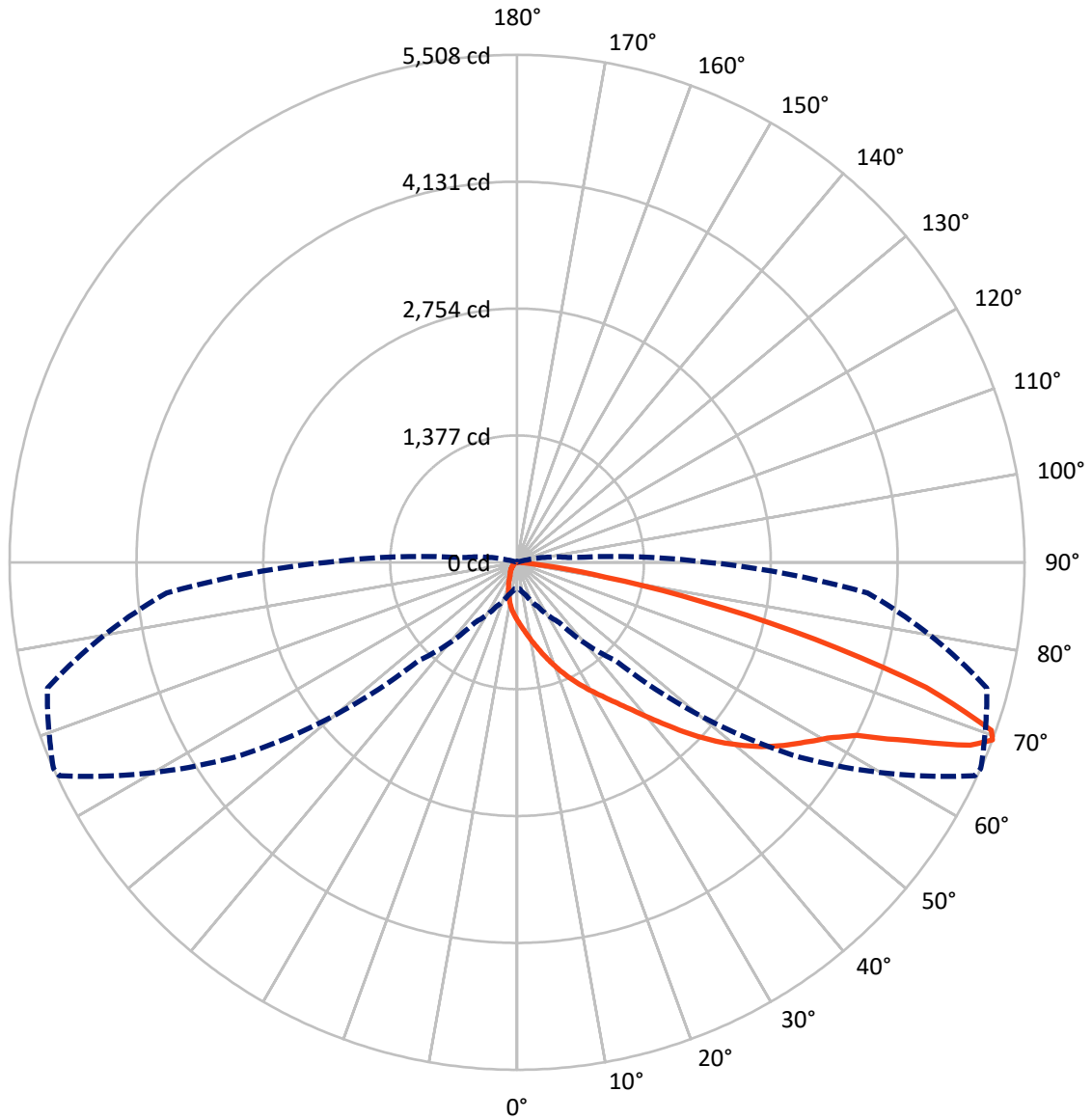
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P386170
CATALOG NUMBER: GAW-SA1D-735-U-T2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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 CATALOG NUMBER: GAW-SA1D-735-U-T2-HSS

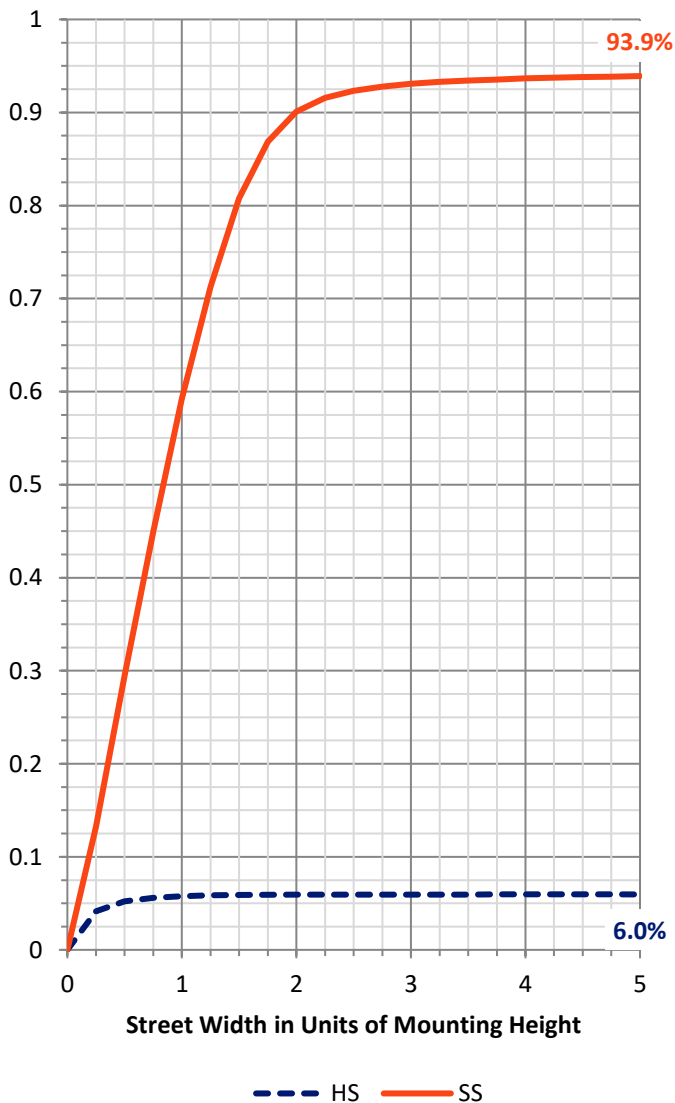
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.2	0.0	332.2
	% Fixture	6.0	0.0	6.0
Street Side	Lumens	5205.5	0.0	5205.5
	% Fixture	94.0	0.0	94.0
Total	Lumens	5537.7	0.0	5537.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.9	1.1
10°-20°	181.3	3.3
20°-30°	315.7	5.7
30°-40°	553.9	10.0
40°-50°	927.2	16.7
50°-60°	1362.9	24.6
60°-70°	1399.3	25.3
70°-80°	690.8	12.5
80°-90°	45.7	0.8
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°	5537.7	100.0
0°-180°	5537.7	100.0

Coefficient of Utilization

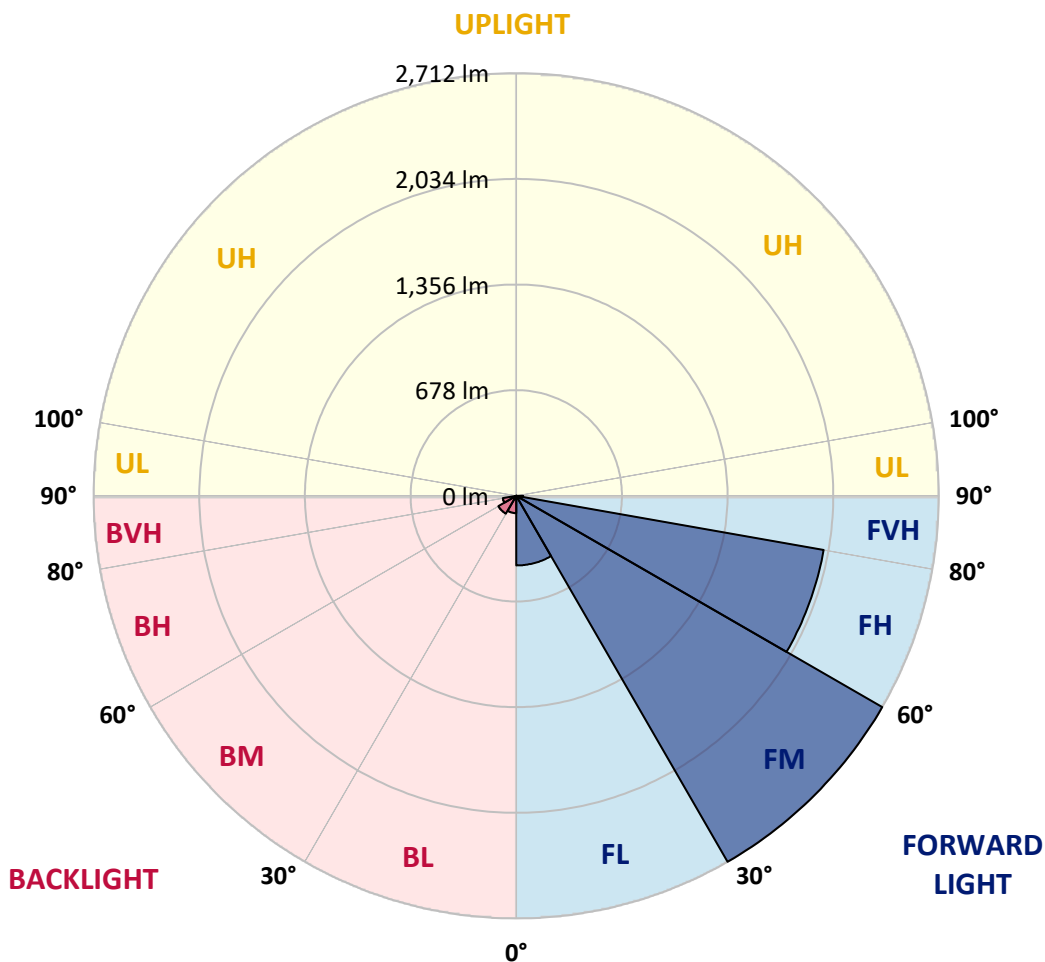


REPORT NUMBER: P386170
 CATALOG NUMBER: GAW-SA1D-735-U-T2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	446.8	8.1			
FM (30°-60°)	2711.5	49.0			
FH (60°-80°)	2002.6	36.2			G2/5000
FVH (80°-90°)	44.6	0.8			G1/100
BL (0°-30°)	111.1	2.0	B1/500		
BM (30°-60°)	132.4	2.4	B0/220		
BH (60°-80°)	87.5	1.6	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type II Medium





REPORT NUMBER: P386170
 CATALOG NUMBER: GAW-SA1D-735-U-T2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	741.7	738.6	737.2	731.5	721.5	713.8	699.1	682.0	678.9	662.3	642.1
5°	838.0	835.4	833.5	825.4	815.1	795.9	769.1	737.2	731.2	699.7	659.2
7.5°	905.1	909.8	909.8	904.5	891.7	877.2	844.3	800.9	793.3	744.8	682.0
10°	944.3	950.0	954.5	959.0	957.1	951.3	920.3	871.4	862.2	798.0	708.6
12.5°	947.9	953.8	966.4	985.0	1003.2	1016.3	996.9	949.5	939.0	859.5	740.1
15°	927.5	933.5	952.9	989.3	1033.1	1071.6	1077.9	1036.1	1025.3	932.9	779.6
17.5°	891.7	895.6	923.5	973.7	1042.6	1113.1	1151.2	1128.9	1118.9	1016.9	823.6
20°	865.1	868.0	892.4	946.3	1036.8	1139.2	1220.7	1227.5	1217.0	1106.8	871.1
22.5°	910.6	915.8	916.7	942.1	1021.0	1152.1	1281.7	1324.6	1316.7	1202.3	918.0
25°	1035.0	1041.0	1021.0	1005.2	1034.5	1157.8	1334.0	1424.0	1417.7	1305.1	965.0
27.5°	1199.4	1205.7	1180.0	1132.8	1104.7	1179.7	1380.6	1525.0	1524.7	1414.1	1015.8
30°	1360.9	1367.2	1340.9	1293.8	1229.1	1241.5	1420.8	1630.8	1632.4	1526.3	1069.7
32.5°	1530.3	1538.2	1511.1	1450.6	1383.0	1348.3	1477.4	1737.0	1746.0	1656.5	1130.5
35°	1722.8	1723.9	1685.7	1622.3	1544.5	1491.1	1568.1	1856.1	1877.5	1817.8	1207.6
37.5°	1911.7	1919.3	1888.0	1788.0	1716.6	1656.1	1703.1	2005.0	2035.3	2014.8	1308.3
40°	2051.6	2067.6	2063.2	1955.3	1887.4	1844.3	1870.6	2182.0	2220.4	2244.1	1435.3
42.5°	2139.5	2151.6	2172.1	2107.1	2045.5	2052.7	2068.5	2388.3	2435.7	2505.6	1581.3
45°	2240.2	2246.0	2263.1	2234.4	2192.8	2264.4	2278.3	2620.5	2670.2	2786.8	1743.3
47.5°	2363.3	2376.9	2381.7	2355.4	2336.5	2451.6	2480.6	2831.7	2901.4	3088.0	1914.9
50°	2520.0	2523.8	2531.9	2514.8	2495.9	2612.6	2662.1	3053.5	3116.9	3390.2	2084.0
52.5°	2673.4	2686.6	2714.9	2704.1	2696.5	2749.7	2823.8	3253.4	3324.1	3642.1	2252.9
55°	2717.6	2728.9	2827.0	2894.1	2956.2	2918.5	2978.5	3432.5	3509.0	3867.3	2415.4
57.5°	2541.1	2564.0	2733.9	2908.6	3166.0	3181.1	3191.0	3616.4	3685.0	4039.9	2584.5
60°	2095.0	2099.5	2378.3	2677.8	3131.3	3410.1	3501.4	3813.8	3871.5	4200.5	2787.0
62.5°	1332.5	1378.0	1683.9	2106.9	2764.2	3377.0	3876.8	4112.7	4133.7	4393.4	3077.5
65°	634.7	664.2	884.5	1301.7	2002.1	2952.7	4135.9	4653.2	4662.7	4775.5	3465.3
67.5°	351.4	365.6	470.5	700.7	1170.5	2088.2	4031.1	5293.4	5302.3	5165.8	3805.8
69°	274.9	287.0	369.6	528.1	793.5	1500.9	3647.9	5481.0	5507.5	5277.6	3817.8
70°	233.3	245.2	318.3	446.1	638.1	1159.7	3247.0	5434.4	5462.6	5267.1	3727.6
72.5°	142.8	149.6	212.0	314.0	427.7	583.4	2002.4	4595.9	4643.4	4831.5	3203.6
75°	96.3	100.0	132.5	216.7	305.9	300.4	1040.3	3239.4	3342.6	3758.4	2366.1
77.5°	69.0	72.3	88.9	140.2	214.4	198.3	471.1	2013.2	2035.3	2254.2	1290.4
80°	39.2	42.4	62.8	83.4	145.4	132.3	187.3	961.7	972.6	966.6	430.8
82.5°	20.5	23.1	34.5	55.0	93.4	86.5	77.9	321.9	323.5	269.0	94.4
85°	3.9	4.7	17.1	37.6	48.1	37.6	31.8	75.5	77.0	68.1	23.4
87.5°	0.0	0.3	6.9	8.5	9.5	9.8	10.2	14.7	15.8	21.3	6.3
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: P386170
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2	630.2
2.5°	633.1	623.7	605.5	584.5	568.1	552.1	539.5	526.3	521.6	519.2	518.9
5°	639.4	619.4	581.0	541.6	509.2	478.7	456.9	436.1	426.4	421.9	420.1
7.5°	650.0	617.8	556.0	495.8	449.2	411.1	380.8	358.3	346.9	342.2	340.3
10°	662.3	615.8	526.8	447.4	388.0	348.5	318.5	296.2	283.8	278.5	275.9
12.5°	676.7	612.1	493.2	398.5	335.6	296.2	259.8	232.2	218.0	212.0	209.1
15°	694.7	608.4	458.0	352.5	289.6	241.4	201.8	183.1	180.2	179.1	179.4
17.5°	712.2	602.6	419.5	307.0	241.2	188.6	168.3	167.3	167.8	167.8	167.8
20°	728.0	589.5	377.7	268.0	195.2	159.1	154.9	153.1	151.8	150.7	149.4
22.5°	740.4	571.8	337.4	229.4	159.4	145.7	139.1	133.4	128.6	125.5	123.9
25°	748.8	548.4	300.6	192.3	143.4	132.5	120.7	111.0	103.6	99.2	97.3
27.5°	755.2	523.1	267.7	161.0	132.3	117.3	101.8	90.2	82.6	78.6	77.0
30°	759.6	494.5	238.8	141.5	120.0	101.3	84.7	73.4	67.8	65.8	64.7
32.5°	763.8	462.7	211.5	132.3	108.4	86.5	71.0	62.4	58.9	56.3	55.5
35°	774.3	433.2	185.4	122.6	96.6	73.9	61.1	54.7	51.3	49.7	49.2
37.5°	799.3	411.4	160.4	112.5	84.7	63.9	53.4	48.9	45.7	44.2	43.7
40°	839.5	400.4	139.4	101.8	73.1	56.3	48.4	44.2	40.8	38.4	37.9
42.5°	898.7	401.9	124.7	91.0	63.9	50.3	43.7	38.7	34.9	32.9	32.3
45°	970.6	413.5	114.4	80.5	56.3	45.5	38.4	33.2	29.7	27.9	27.3
47.5°	1048.5	432.1	106.0	71.0	50.3	41.1	33.2	27.6	24.7	23.1	22.9
50°	1130.5	450.3	97.3	61.8	45.0	36.5	27.9	22.9	20.5	19.2	18.7
52.5°	1213.6	471.4	89.4	53.4	40.5	31.3	23.1	18.7	16.8	15.8	15.2
55°	1303.0	487.2	81.8	46.8	36.1	26.6	19.2	15.5	13.9	12.6	12.4
57.5°	1408.2	511.6	73.9	40.5	30.8	22.1	15.8	12.4	11.1	9.8	9.5
60°	1550.3	540.2	65.5	35.8	25.3	18.1	12.9	10.0	8.5	7.3	7.1
62.5°	1737.6	572.1	55.0	31.3	20.5	14.7	10.2	7.9	6.0	4.7	4.7
65°	1975.1	623.9	45.0	26.3	16.8	12.1	7.9	5.8	3.4	2.1	2.1
67.5°	2113.6	632.9	36.3	21.6	13.7	10.2	6.6	3.9	1.0	0.3	0.0
69°	2069.2	581.0	30.8	18.4	11.8	9.8	6.0	2.9	0.6	0.0	0.0
70°	1985.6	531.3	27.1	16.3	10.8	9.2	5.8	2.1	0.6	0.0	0.0
72.5°	1640.7	378.2	20.5	12.1	7.9	8.2	5.3	1.3	0.6	0.0	0.0
75°	1195.2	229.9	14.7	8.5	5.0	6.0	3.7	0.6	0.3	0.0	0.0
77.5°	664.9	108.4	9.2	4.7	3.2	3.7	1.9	0.0	0.0	0.0	0.0
80°	216.0	29.5	4.2	2.6	1.9	2.1	0.8	0.0	0.0	0.0	0.0
82.5°	40.0	8.5	2.3	1.3	0.6	0.6	0.0	0.0	0.0	0.0	0.0
85°	8.6	3.4	1.3	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	1.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	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)