

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: P385661

Luminaire Tested: GAW-SA1B-727-U-SL4

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1B-727-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 4850 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

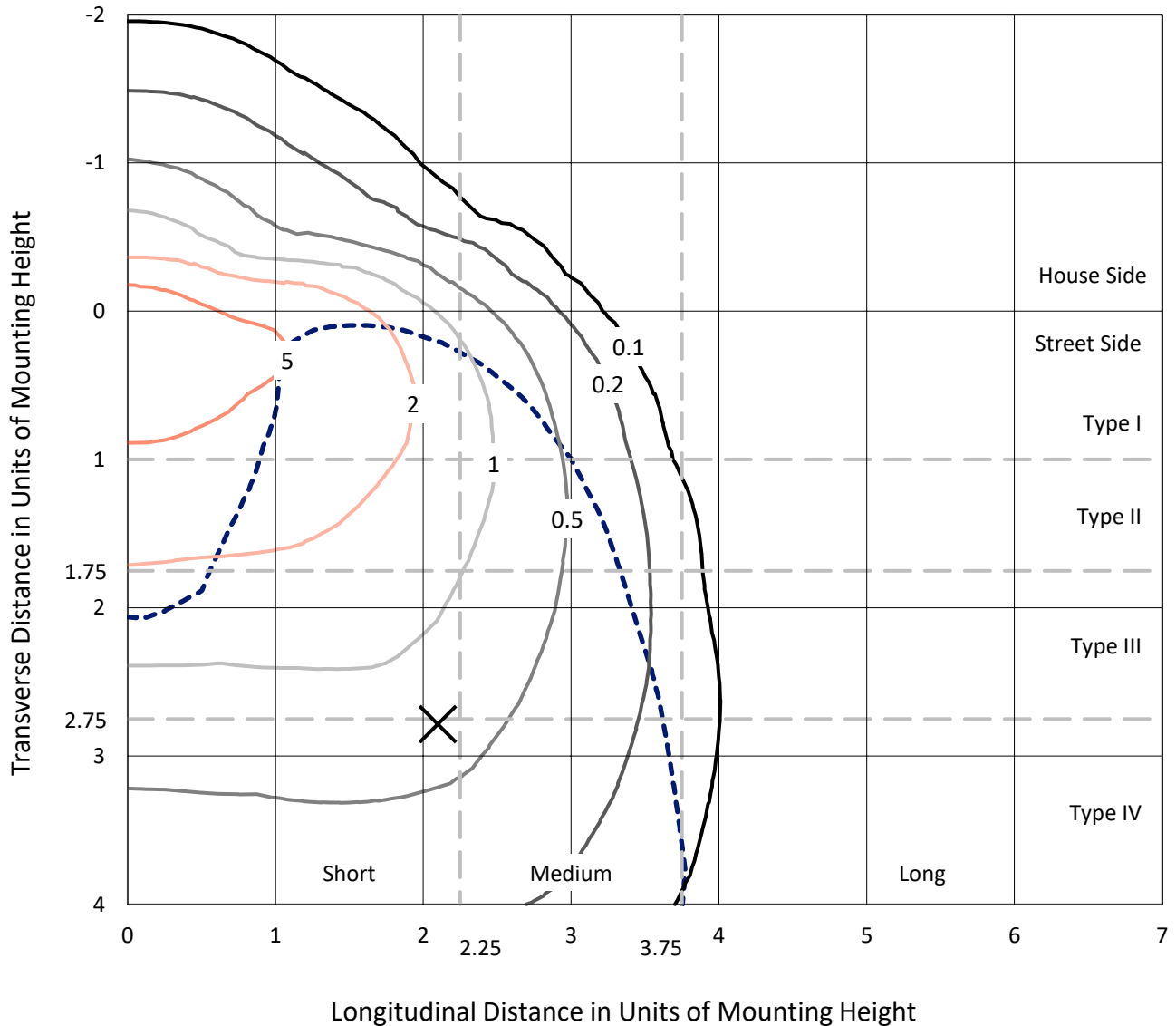
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

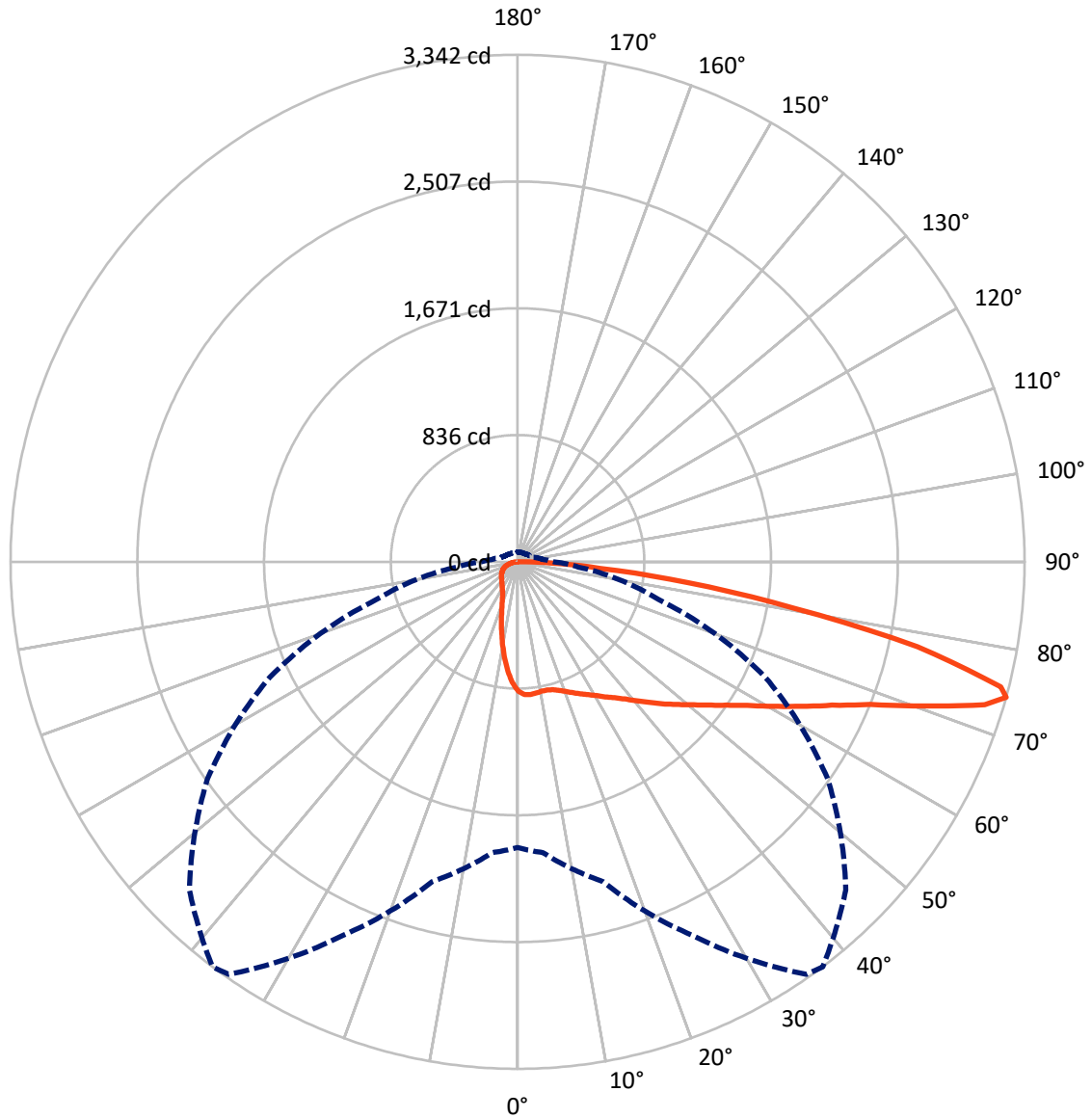
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical

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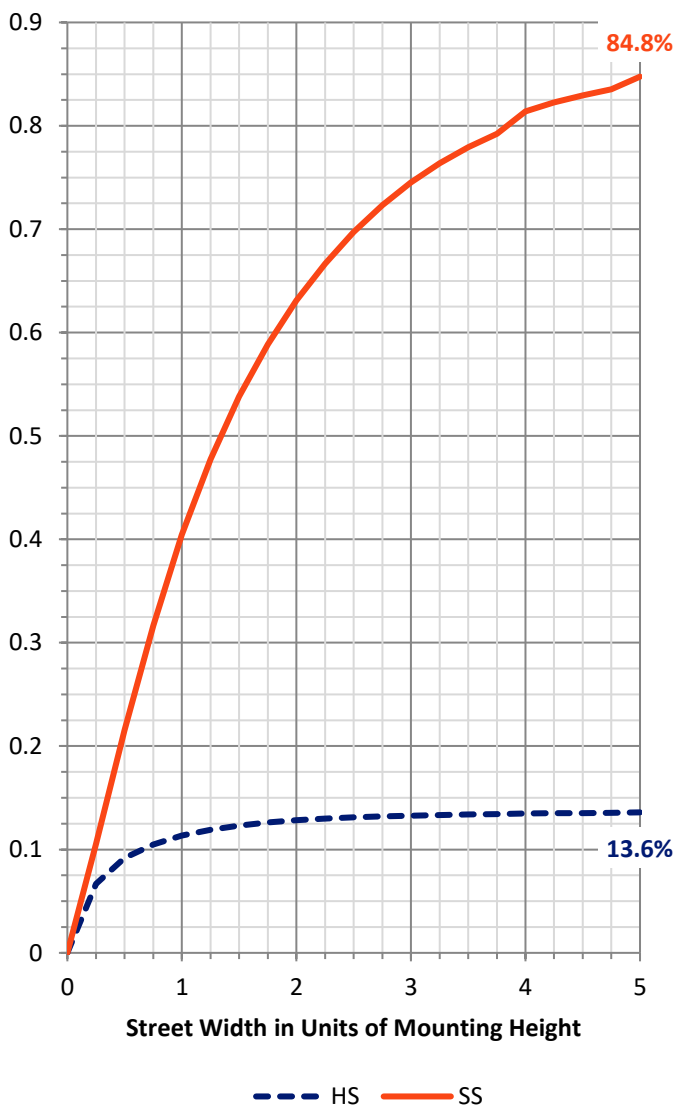
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	667.3	0.0	667.3
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	4182.7	0.0	4182.7
	% Fixture	86.2	0.0	86.2
Total	Lumens	4850.0	0.0	4850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	1.6
10°-20°	192.9	4.0
20°-30°	297.2	6.1
30°-40°	432.2	8.9
40°-50°	636.1	13.1
50°-60°	893.3	18.4
60°-70°	1130.6	23.3
70°-80°	995.6	20.5
80°-90°	196.8	4.1
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°	4850.0	100.0
0°-180°	4850.0	100.0

Coefficient of Utilization

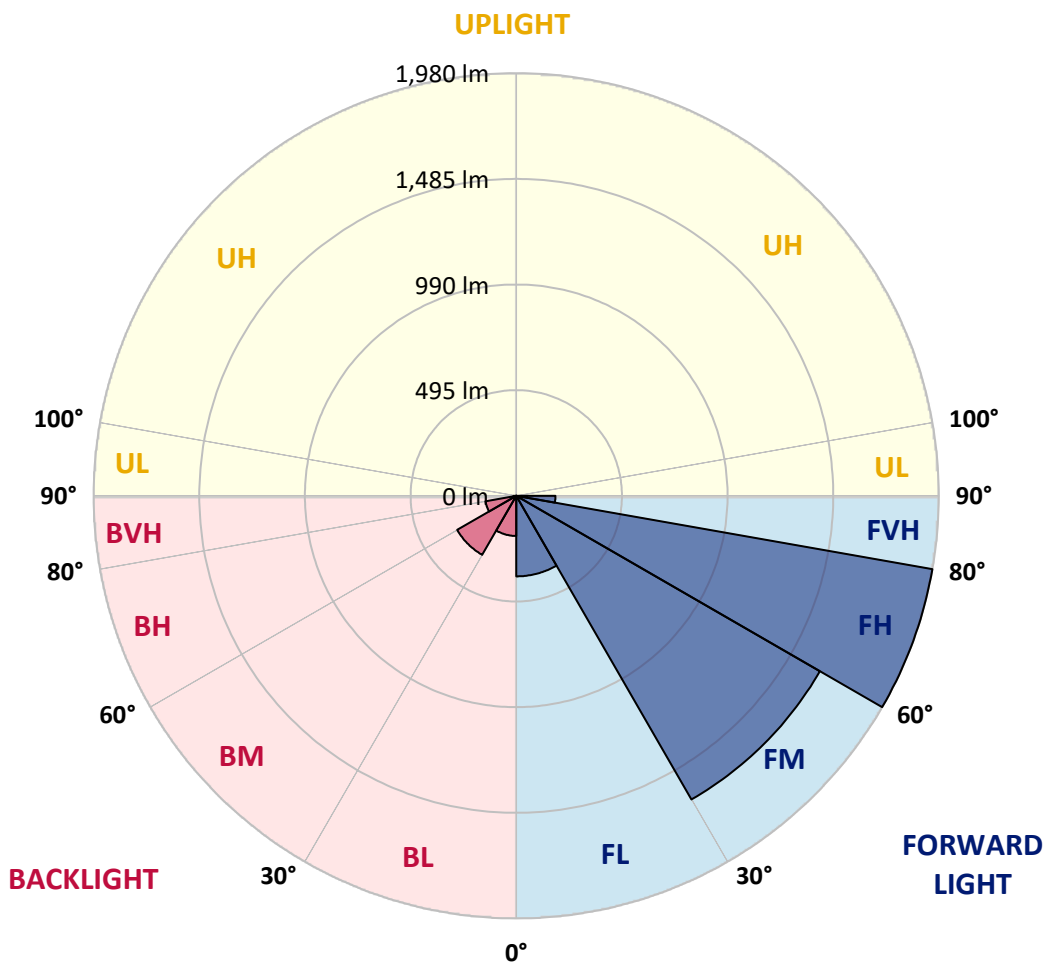


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	377.4	7.8			
FM	(30°-60°)	1642.2	33.9			
FH	(60°-80°)	1979.5	40.8			G2/5000
FVH	(80°-90°)	183.5	3.8			G2/225
BL	(0°-30°)	188.0	3.9	B1/500		
BM	(30°-60°)	319.3	6.6	B1/1000		
BH	(60°-80°)	146.7	3.0	B1/500		G1/500
BVH	(80°-90°)	13.3	0.3			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6
2.5°	883.8	883.9	883.8	882.4	879.2	876.4	874.2	871.0	863.8	858.3	850.1
5°	892.1	891.1	890.4	887.9	882.7	879.7	875.4	869.2	857.5	846.5	833.2
7.5°	888.2	887.0	885.5	882.4	876.6	874.0	868.0	860.0	845.8	831.5	812.4
10°	876.1	875.7	875.1	874.4	869.4	867.4	861.9	853.4	839.3	821.9	799.5
12.5°	862.6	863.4	866.2	869.8	867.5	866.5	863.1	857.3	842.9	824.1	797.1
15°	854.0	856.4	863.8	873.2	875.1	874.7	873.9	870.1	854.9	834.1	802.6
17.5°	851.1	855.1	869.1	884.6	890.1	891.3	891.6	885.1	868.2	846.2	808.3
20°	856.4	861.4	881.9	903.2	912.0	912.6	911.1	899.8	880.9	856.6	811.3
22.5°	872.5	876.9	902.6	926.6	936.6	937.6	933.0	915.9	894.2	868.9	815.6
25°	903.4	908.9	934.5	958.6	963.7	963.9	957.2	936.0	911.6	886.2	824.8
27.5°	943.7	949.2	972.3	995.8	993.1	991.6	982.5	961.3	934.3	909.9	841.2
30°	988.7	994.6	1016.5	1033.3	1026.8	1023.7	1016.3	989.0	965.9	942.4	866.3
32.5°	1035.1	1040.6	1059.7	1071.2	1063.0	1061.6	1050.5	1025.6	1007.1	991.9	907.0
35°	1082.8	1086.7	1105.5	1112.0	1101.1	1100.7	1097.7	1074.8	1063.1	1070.3	966.1
37.5°	1131.5	1132.5	1148.6	1148.9	1145.7	1147.0	1150.3	1135.9	1139.2	1161.6	1043.0
40°	1174.9	1177.6	1189.2	1192.8	1198.5	1203.2	1219.5	1210.1	1235.2	1274.8	1138.7
42.5°	1207.0	1212.3	1230.9	1240.1	1258.4	1265.9	1288.8	1297.5	1348.1	1407.6	1252.4
45°	1234.2	1242.4	1272.3	1291.2	1322.1	1335.3	1368.1	1397.3	1475.7	1551.6	1372.2
47.5°	1263.5	1274.0	1311.4	1347.6	1389.6	1404.5	1464.1	1507.9	1611.9	1696.5	1485.1
50°	1306.8	1314.8	1351.4	1408.2	1460.7	1479.8	1562.3	1625.0	1750.3	1834.5	1583.0
52.5°	1367.1	1364.0	1394.9	1474.7	1545.1	1568.7	1667.2	1749.8	1890.5	1959.4	1665.7
55°	1427.7	1422.6	1444.3	1544.2	1643.5	1668.3	1782.7	1875.0	2024.0	2071.8	1729.1
57.5°	1495.2	1485.5	1503.8	1622.7	1755.6	1785.1	1912.1	2008.1	2155.2	2162.7	1769.4
60°	1564.7	1551.6	1572.1	1719.9	1897.9	1932.7	2063.4	2137.9	2278.9	2235.5	1782.4
62.5°	1625.6	1616.3	1647.9	1828.4	2058.3	2096.6	2212.1	2276.0	2400.8	2265.7	1735.6
65°	1678.7	1680.2	1734.9	1950.3	2237.2	2278.0	2382.6	2446.1	2496.9	2247.8	1626.1
67.5°	1742.1	1750.8	1844.1	2110.9	2462.3	2507.1	2630.6	2631.6	2550.5	2142.5	1410.5
70°	1834.5	1852.4	1994.2	2333.7	2782.5	2844.0	2939.3	2740.6	2475.2	1857.2	1109.8
72.5°	1916.5	1950.0	2154.0	2588.6	3172.7	3219.3	3119.9	2677.8	2160.3	1391.8	691.4
74°	1883.2	1924.7	2183.0	2714.2	3319.6	3342.0	3058.9	2494.3	1801.2	963.9	401.8
75°	1811.4	1856.5	2140.6	2713.0	3301.0	3288.5	2911.7	2284.7	1483.4	657.4	267.4
77.5°	1461.9	1509.6	1803.7	2325.2	2706.6	2694.9	2236.7	1532.6	649.7	215.6	135.8
80°	849.9	886.3	1119.7	1476.6	1825.1	1846.5	1470.9	758.4	255.6	121.1	92.1
82.5°	377.6	402.7	540.9	753.8	1101.4	1128.9	770.3	397.4	157.9	73.6	55.4
85°	247.7	266.3	328.4	358.9	524.5	543.3	377.0	309.4	104.2	40.5	40.7
87.5°	178.2	196.1	244.0	213.0	240.7	227.9	205.2	286.3	41.9	23.1	13.7
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°	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6	854.6
2.5°	846.5	843.8	837.6	826.0	819.5	814.1	805.0	799.7	797.3	797.1	798.2
5°	825.5	819.2	803.3	783.8	768.3	754.1	736.5	725.9	718.4	713.9	715.1
7.5°	801.1	791.2	766.2	735.1	710.2	682.7	655.5	639.3	626.6	617.3	619.0
10°	784.3	770.7	734.3	689.5	648.0	608.0	570.6	548.2	530.5	516.8	517.8
12.5°	778.7	760.2	709.8	650.1	591.8	537.1	488.3	453.9	435.6	420.1	421.3
15°	779.6	754.8	689.3	614.5	541.2	472.4	413.1	372.9	348.2	337.4	337.6
17.5°	780.2	748.5	667.8	576.4	491.2	411.9	347.5	306.8	283.4	273.5	273.7
20°	778.0	738.2	641.2	532.7	438.9	356.4	294.0	259.5	241.7	234.1	234.1
22.5°	775.1	726.1	611.1	488.8	387.3	308.2	255.8	229.4	219.2	214.1	213.9
25°	776.5	717.0	580.3	443.7	339.8	269.8	230.3	212.9	206.0	202.8	202.6
27.5°	783.8	712.8	552.0	398.7	298.3	240.9	213.2	200.9	196.5	194.4	194.4
30°	797.1	712.8	522.4	360.5	263.8	219.5	200.1	191.7	188.6	187.2	187.2
32.5°	820.4	716.7	493.9	322.5	236.3	202.8	189.1	183.5	181.1	180.4	180.4
35°	860.4	730.0	466.1	286.7	214.1	189.1	178.7	175.5	173.7	173.6	174.1
37.5°	916.6	757.2	439.9	260.2	198.3	178.0	170.0	167.4	166.4	167.3	167.9
40°	987.3	794.1	416.2	236.3	186.4	169.1	162.0	160.2	159.7	160.9	162.0
42.5°	1072.7	844.0	396.7	219.0	177.2	161.6	155.1	153.1	152.6	153.9	155.3
45°	1165.1	897.6	383.0	206.2	170.0	156.0	149.1	146.9	145.9	146.6	148.1
47.5°	1249.2	948.3	377.6	197.2	163.2	151.2	143.8	141.1	139.4	139.1	140.3
50°	1320.1	986.1	380.1	191.7	157.7	145.9	138.7	135.6	133.1	131.5	132.4
52.5°	1371.7	1009.8	382.5	189.3	153.4	140.1	133.1	130.2	126.8	124.2	124.2
55°	1409.1	1015.3	377.2	187.4	150.2	133.8	126.8	124.0	120.6	117.7	117.4
57.5°	1423.8	999.9	357.6	184.7	147.9	127.8	120.1	118.1	115.1	111.7	111.6
60°	1404.0	952.4	319.6	178.9	145.0	122.8	113.4	112.1	110.7	107.5	107.3
62.5°	1324.4	848.2	270.6	167.1	139.2	117.5	107.3	108.0	108.1	105.9	105.6
65°	1180.0	705.1	222.8	151.7	130.5	111.2	101.0	104.2	106.1	105.8	105.2
67.5°	970.2	548.7	188.8	135.5	119.1	102.5	94.1	97.9	99.4	100.6	100.3
70°	720.1	387.0	156.1	118.4	105.2	92.3	85.3	87.1	86.1	87.5	88.0
72.5°	401.5	232.2	127.3	101.3	90.9	80.3	75.3	75.0	72.8	72.8	72.8
74°	240.9	170.3	111.9	90.7	82.2	72.4	68.2	66.6	64.6	64.7	64.6
75°	193.7	146.4	102.7	83.7	76.0	67.8	63.6	61.5	60.0	60.0	59.8
77.5°	122.3	111.2	82.7	66.6	60.8	55.9	53.0	50.2	50.2	50.1	49.9
80°	92.4	88.5	64.4	50.4	46.6	42.9	41.0	39.8	39.8	40.3	40.1
82.5°	63.4	66.6	45.3	35.2	33.3	30.6	30.2	30.4	29.9	29.2	29.0
85°	46.3	50.1	30.6	22.2	20.3	18.6	20.0	20.7	19.8	18.3	17.6
87.5°	17.8	32.8	16.4	9.2	8.5	7.3	8.5	8.9	9.6	7.5	7.7
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)