

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: P385885

Luminaire Tested: GAW-SA1C-727-U-SL4

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385885
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-SA1C-727-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 6003 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

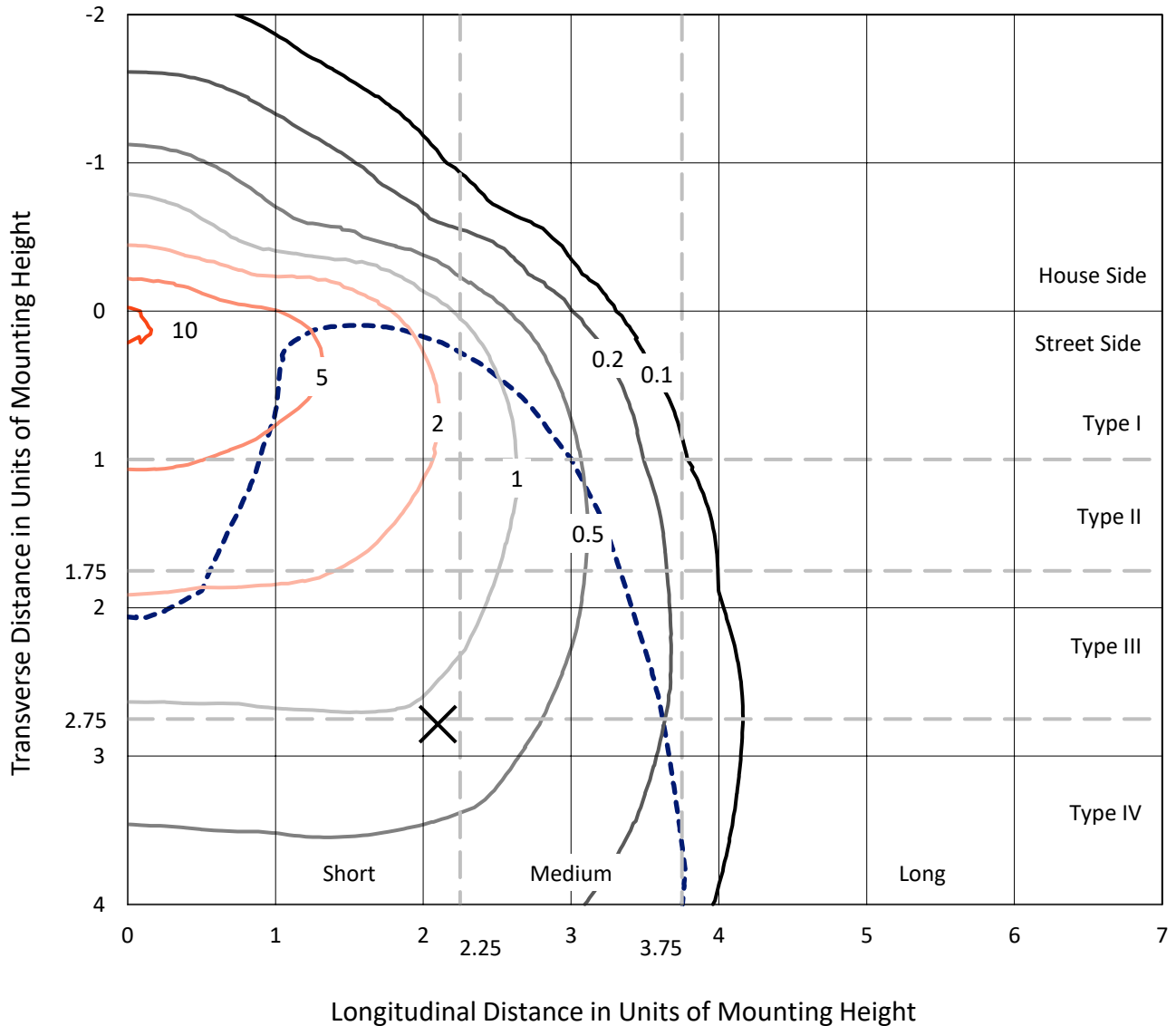
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

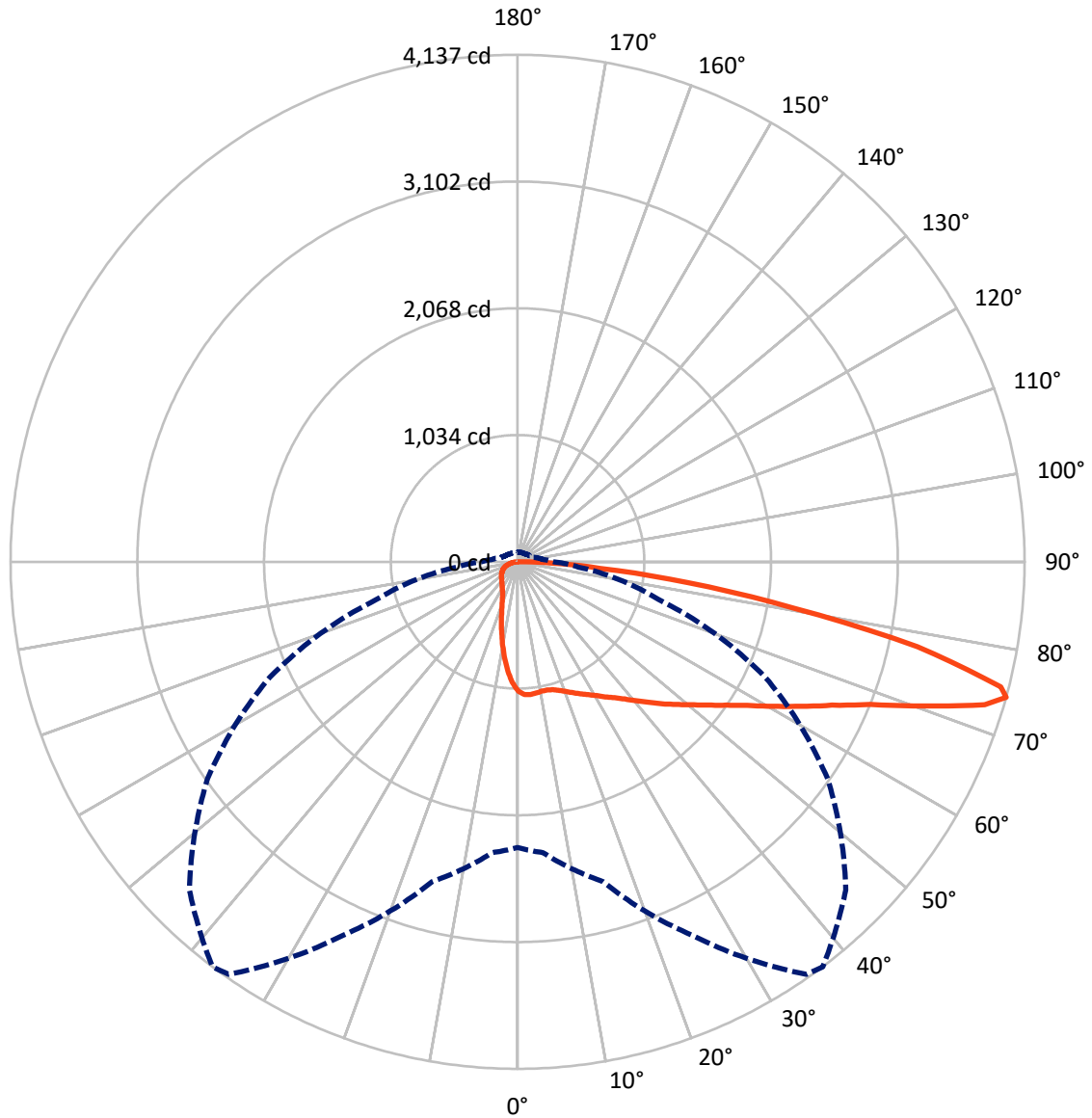
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 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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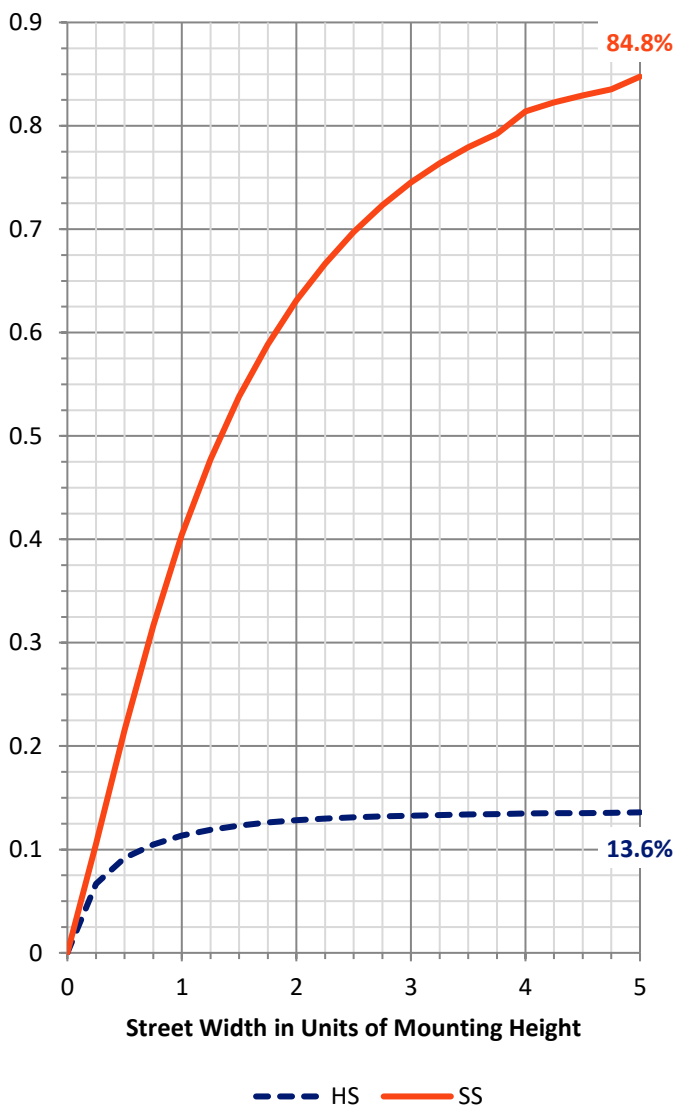
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	826.0	0.0	826.0
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	5177.0	0.0	5177.0
	% Fixture	86.2	0.0	86.2
Total	Lumens	6003.0	0.0	6003.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.1	1.6
10°-20°	238.7	4.0
20°-30°	367.9	6.1
30°-40°	534.9	8.9
40°-50°	787.3	13.1
50°-60°	1105.7	18.4
60°-70°	1399.4	23.3
70°-80°	1232.3	20.5
80°-90°	243.6	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°	6003.0	100.0
0°-180°	6003.0	100.0

Coefficient of Utilization

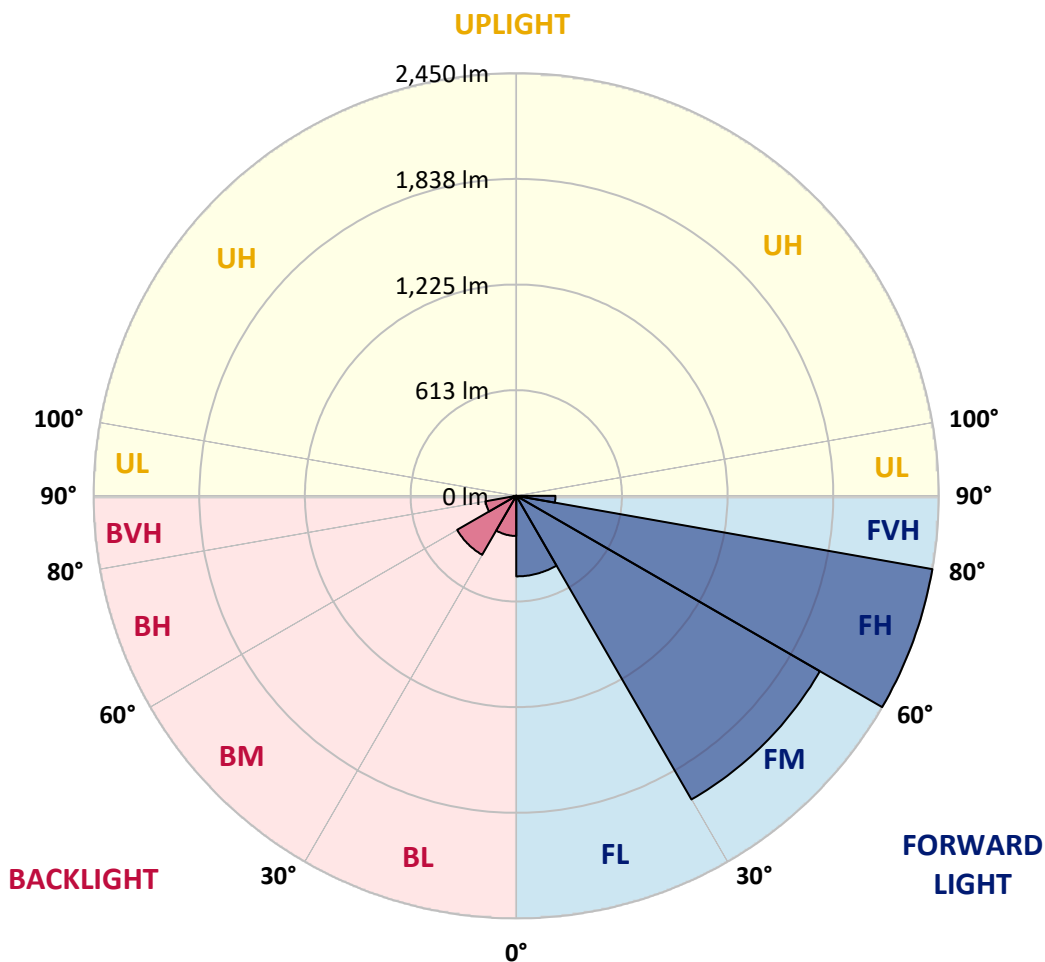


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	467.1	7.8			
FM (30°-60°)	2032.7	33.9			
FH (60°-80°)	2450.1	40.8			G2/5000
FVH (80°-90°)	227.1	3.8			G3/500
BL (0°-30°)	232.7	3.9	B1/500		
BM (30°-60°)	395.3	6.6	B1/1000		
BH (60°-80°)	181.6	3.0	B1/500		G1/500
BVH (80°-90°)	16.5	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-G3
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	1093.9	1094.1	1093.9	1092.2	1088.2	1084.8	1082.0	1078.0	1069.1	1062.4	1052.2
5°	1104.2	1103.0	1102.1	1098.9	1092.6	1088.8	1083.5	1075.9	1061.3	1047.8	1031.3
7.5°	1099.4	1097.9	1096.0	1092.2	1085.0	1081.8	1074.4	1064.5	1046.9	1029.2	1005.5
10°	1084.3	1083.9	1083.1	1082.2	1076.1	1073.6	1066.8	1056.2	1038.9	1017.3	989.6
12.5°	1067.6	1068.7	1072.1	1076.5	1073.8	1072.5	1068.3	1061.1	1043.3	1020.1	986.7
15°	1057.1	1060.0	1069.1	1080.8	1083.1	1082.7	1081.6	1076.9	1058.1	1032.3	993.4
17.5°	1053.5	1058.3	1075.7	1094.9	1101.7	1103.2	1103.6	1095.6	1074.6	1047.3	1000.4
20°	1060.0	1066.2	1091.5	1118.0	1128.8	1129.6	1127.7	1113.7	1090.3	1060.2	1004.2
22.5°	1079.9	1085.4	1117.1	1146.9	1159.2	1160.5	1154.8	1133.6	1106.8	1075.5	1009.5
25°	1118.2	1124.9	1156.7	1186.5	1192.8	1193.0	1184.8	1158.6	1128.3	1096.8	1020.9
27.5°	1168.1	1174.9	1203.4	1232.6	1229.2	1227.3	1216.1	1189.9	1156.5	1126.2	1041.2
30°	1223.7	1231.1	1258.2	1278.9	1270.9	1267.0	1258.0	1224.1	1195.6	1166.4	1072.3
32.5°	1281.2	1288.0	1311.7	1325.8	1315.7	1314.0	1300.2	1269.4	1246.5	1227.7	1122.6
35°	1340.2	1345.1	1368.3	1376.4	1362.8	1362.4	1358.6	1330.3	1315.9	1324.8	1195.8
37.5°	1400.5	1401.7	1421.6	1422.0	1418.0	1419.7	1423.7	1406.0	1410.0	1437.7	1290.9
40°	1454.2	1457.6	1471.9	1476.4	1483.4	1489.3	1509.4	1497.7	1528.8	1577.9	1409.4
42.5°	1493.9	1500.5	1523.5	1535.0	1557.6	1566.9	1595.2	1606.0	1668.6	1742.2	1550.2
45°	1527.6	1537.7	1574.7	1598.2	1636.5	1652.7	1693.3	1729.5	1826.6	1920.4	1698.4
47.5°	1563.9	1576.8	1623.1	1668.0	1720.0	1738.4	1812.2	1866.3	1995.1	2099.8	1838.2
50°	1617.4	1627.4	1672.6	1743.0	1808.0	1831.6	1933.8	2011.4	2166.4	2270.6	1959.4
52.5°	1692.1	1688.3	1726.5	1825.3	1912.4	1941.6	2063.6	2165.7	2340.0	2425.2	2061.7
55°	1767.1	1760.8	1787.7	1911.4	2034.2	2064.9	2206.5	2320.7	2505.1	2564.3	2140.2
57.5°	1850.7	1838.6	1861.2	2008.4	2172.9	2209.5	2366.6	2485.5	2667.5	2676.8	2190.1
60°	1936.7	1920.4	1945.8	2128.7	2349.1	2392.2	2554.0	2646.2	2820.6	2766.9	2206.1
62.5°	2012.0	2000.6	2039.7	2263.0	2547.6	2595.0	2737.9	2817.0	2971.6	2804.3	2148.2
65°	2077.8	2079.7	2147.3	2414.0	2769.0	2819.6	2949.0	3027.6	3090.4	2782.1	2012.6
67.5°	2156.2	2167.0	2282.5	2612.8	3047.7	3103.1	3256.0	3257.3	3156.8	2651.9	1745.8
70°	2270.6	2292.8	2468.3	2888.5	3444.0	3520.1	3638.1	3392.2	3063.6	2298.7	1373.6
72.5°	2372.1	2413.6	2666.0	3204.0	3927.0	3984.7	3861.6	3314.4	2673.9	1722.7	855.8
74°	2330.9	2382.3	2702.0	3359.4	4108.8	4136.5	3786.1	3087.3	2229.4	1193.0	497.3
75°	2242.1	2297.9	2649.5	3357.9	4085.8	4070.3	3603.9	2827.8	1836.1	813.7	330.9
77.5°	1809.4	1868.4	2232.6	2877.9	3350.1	3335.5	2768.4	1897.0	804.2	266.9	168.1
80°	1052.0	1097.0	1385.9	1827.6	2259.0	2285.4	1820.6	938.7	316.3	149.9	114.0
82.5°	467.3	498.4	669.5	932.9	1363.3	1397.3	953.5	491.8	195.4	91.1	68.5
85°	306.6	329.7	406.4	444.3	649.2	672.4	466.7	382.9	129.0	50.1	50.3
87.5°	220.5	242.8	302.0	263.7	297.9	282.1	254.0	354.4	51.8	28.5	16.9
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°	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7	1057.7
2.5°	1047.8	1044.4	1036.8	1022.4	1014.4	1007.6	996.4	989.8	986.9	986.7	987.9
5°	1021.8	1013.9	994.3	970.2	950.9	933.4	911.6	898.5	889.2	883.7	885.2
7.5°	991.5	979.3	948.4	909.9	879.0	845.0	811.4	791.3	775.6	764.0	766.1
10°	970.8	953.9	908.8	853.4	802.1	752.6	706.3	678.6	656.6	639.7	640.9
12.5°	963.8	941.0	878.6	804.6	732.5	664.8	604.3	561.8	539.2	520.0	521.5
15°	964.9	934.2	853.2	760.6	669.9	584.7	511.3	461.6	430.9	417.6	417.8
17.5°	965.7	926.4	826.6	713.5	607.9	509.8	430.1	379.8	350.8	338.5	338.8
20°	963.0	913.7	793.6	659.3	543.2	441.1	363.9	321.2	299.2	289.7	289.7
22.5°	959.4	898.7	756.4	605.0	479.4	381.5	316.6	284.0	271.3	265.0	264.7
25°	961.1	887.5	718.3	549.2	420.6	333.9	285.0	263.5	255.0	251.0	250.8
27.5°	970.2	882.2	683.2	493.5	369.2	298.2	263.9	248.7	243.2	240.6	240.6
30°	986.7	882.2	646.6	446.2	326.5	271.7	247.6	237.3	233.4	231.8	231.8
32.5°	1015.4	887.1	611.3	399.2	292.4	251.0	234.1	227.1	224.1	223.3	223.3
35°	1064.9	903.6	576.9	354.8	265.0	234.1	221.2	217.2	215.1	214.8	215.5
37.5°	1134.5	937.2	544.5	322.0	245.5	220.3	210.4	207.2	206.0	207.0	207.9
40°	1222.0	982.8	515.1	292.4	230.7	209.3	200.5	198.3	197.7	199.2	200.5
42.5°	1327.7	1044.6	491.0	271.1	219.3	200.0	192.0	189.5	188.8	190.5	192.2
45°	1442.1	1111.0	474.1	255.2	210.4	193.1	184.6	181.9	180.6	181.4	183.3
47.5°	1546.2	1173.8	467.3	244.0	201.9	187.1	178.0	174.7	172.5	172.1	173.6
50°	1633.9	1220.5	470.5	237.3	195.2	180.6	171.7	167.9	164.7	162.8	163.9
52.5°	1697.8	1249.9	473.5	234.3	189.9	173.4	164.7	161.1	156.9	153.7	153.7
55°	1744.1	1256.7	466.9	232.0	185.9	165.6	156.9	153.5	149.3	145.7	145.3
57.5°	1762.3	1237.7	442.6	228.6	183.1	158.2	148.7	146.1	142.5	138.3	138.1
60°	1737.7	1178.9	395.6	221.4	179.5	152.0	140.4	138.7	137.0	133.0	132.8
62.5°	1639.2	1049.9	334.9	206.8	172.3	145.5	132.8	133.6	133.9	131.1	130.7
65°	1460.5	872.7	275.7	187.8	161.6	137.7	125.0	129.0	131.3	130.9	130.3
67.5°	1200.9	679.2	233.7	167.7	147.4	126.9	116.5	121.2	123.1	124.5	124.1
70°	891.3	478.9	193.3	146.5	130.3	114.2	105.5	107.8	106.6	108.3	108.9
72.5°	496.9	287.4	157.5	125.4	112.5	99.4	93.3	92.8	90.1	90.1	90.1
74°	298.2	210.8	138.5	112.3	101.7	89.7	84.4	82.5	79.9	80.1	79.9
75°	239.8	181.2	127.1	103.6	94.1	83.9	78.7	76.1	74.2	74.2	74.0
77.5°	151.4	137.7	102.3	82.5	75.3	69.1	65.6	62.2	62.2	62.0	61.7
80°	114.4	109.5	79.7	62.4	57.7	53.1	50.7	49.3	49.3	49.9	49.7
82.5°	78.5	82.5	56.0	43.6	41.2	37.9	37.4	37.6	37.0	36.2	35.9
85°	57.3	62.0	37.9	27.5	25.2	23.0	24.7	25.6	24.5	22.6	21.8
87.5°	22.0	40.6	20.3	11.4	10.6	9.1	10.6	11.0	11.8	9.3	9.5
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)