

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: P323845

Luminaire Tested: **GAN-SA1C-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323845
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6011 lumens
Efficiency: N/A
Efficacy: 101.9 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

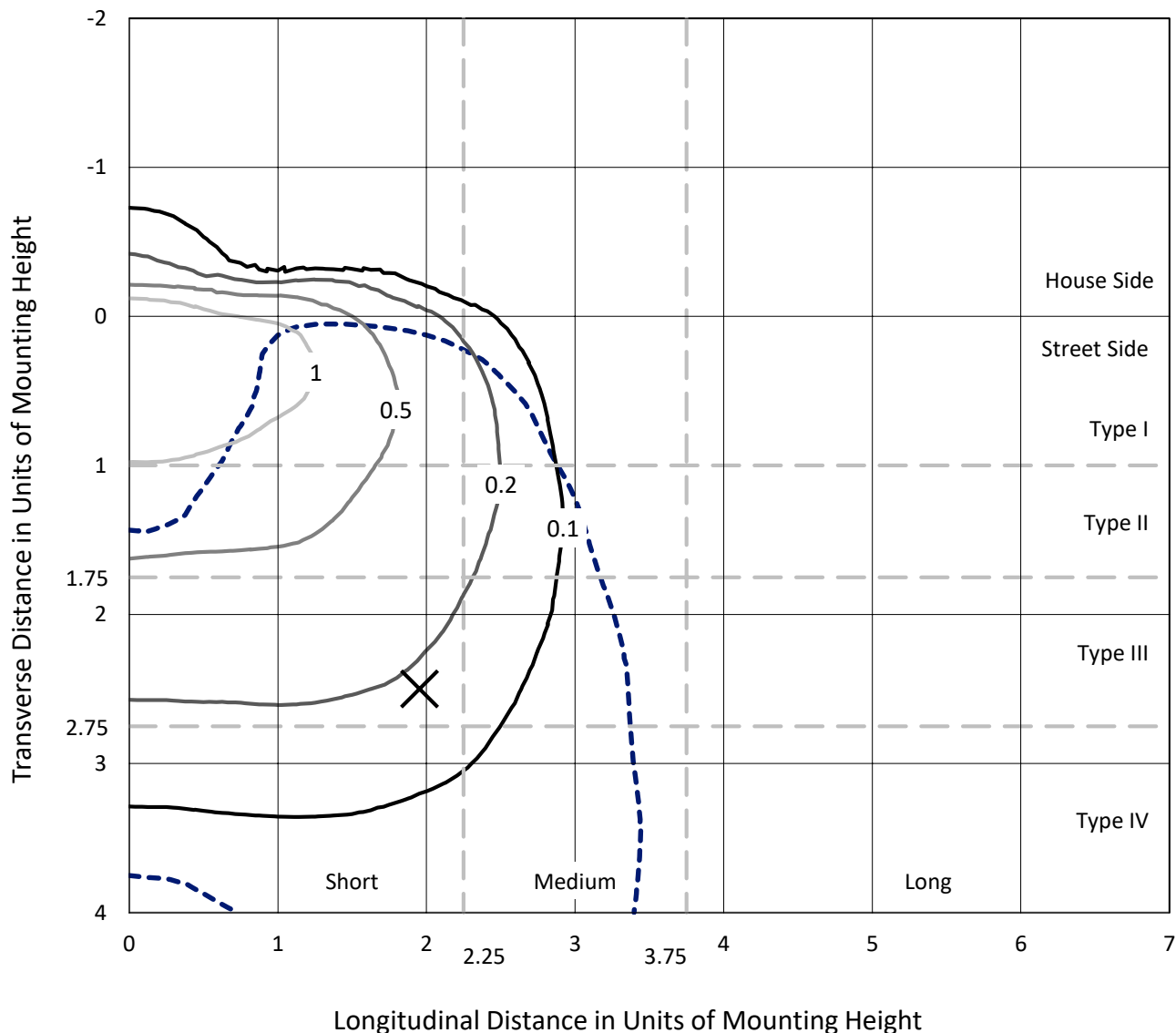
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

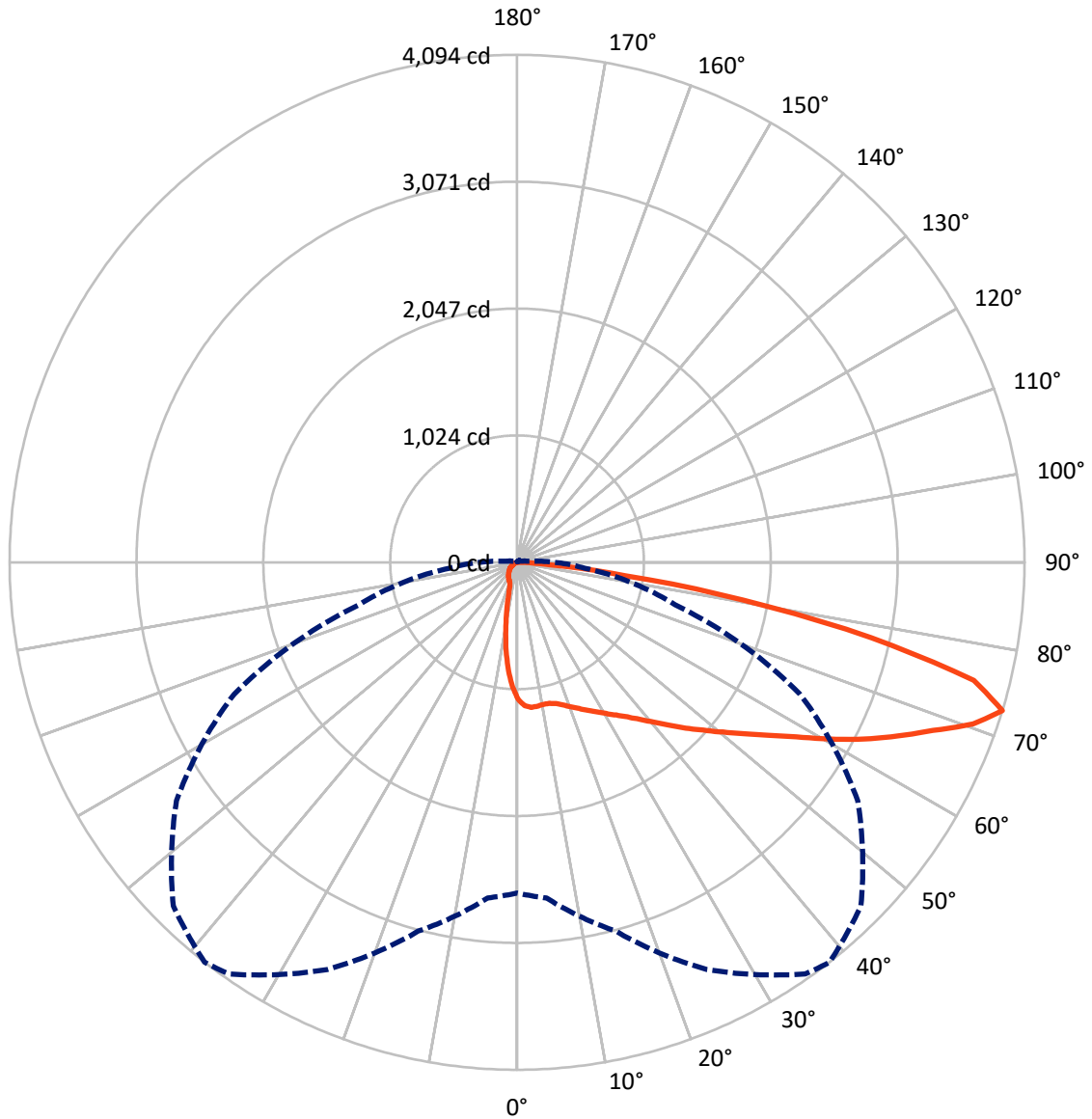
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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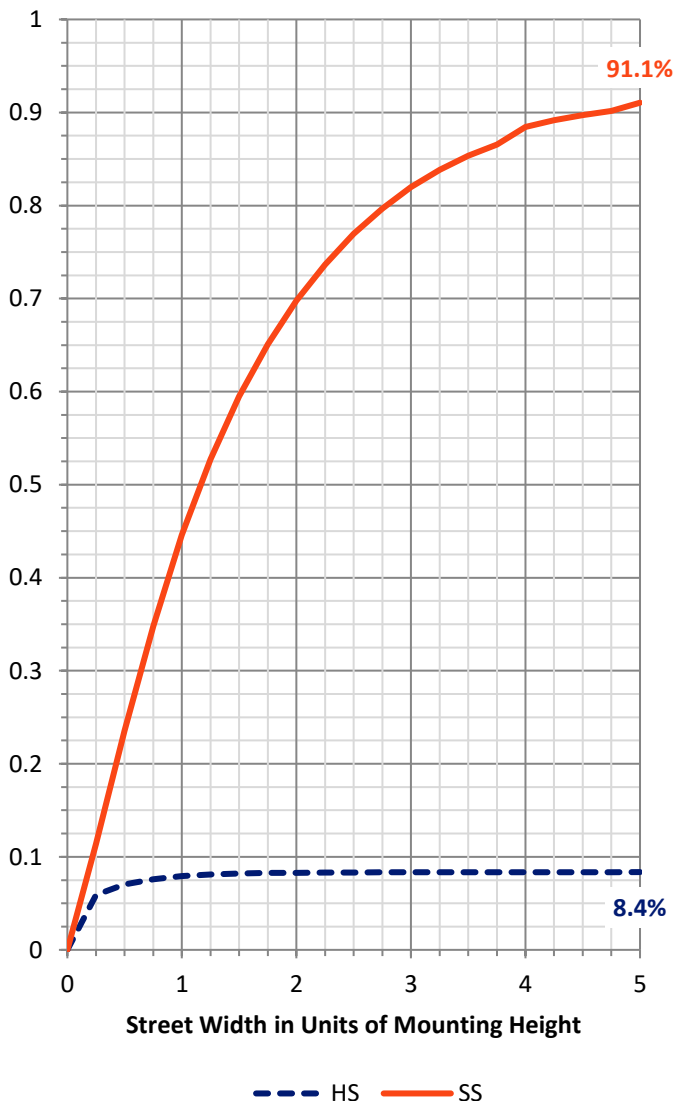
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	505.8	0.0	505.8
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	5505.2	0.0	5505.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	6011.0	0.0	6011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.2	1.6
10°-20°	230.3	3.8
20°-30°	366.4	6.1
30°-40°	550.8	9.2
40°-50°	840.3	14.0
50°-60°	1187.6	19.8
60°-70°	1489.6	24.8
70°-80°	1113.8	18.5
80°-90°	138.1	2.3
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°	6011.0	100.0
0°-180°	6011.0	100.0

Coefficient of Utilization

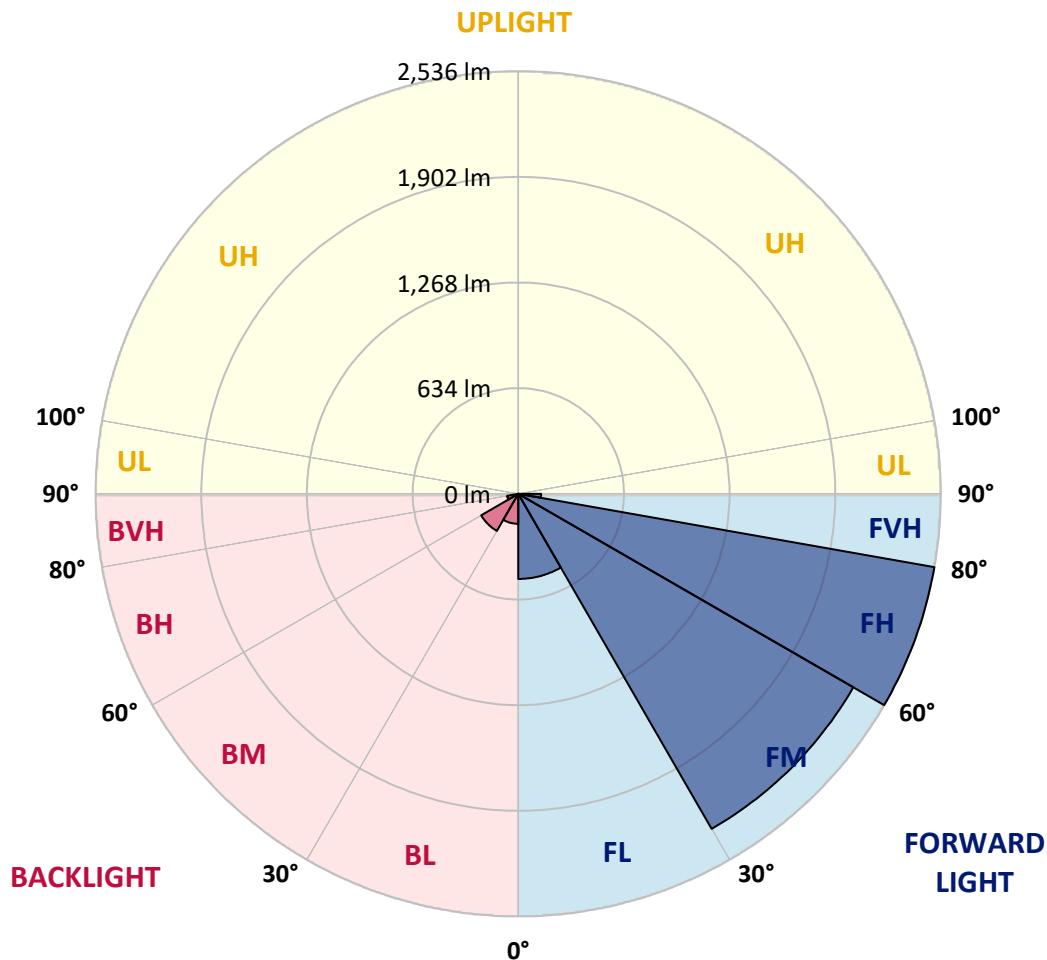


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	510.8	8.5			
FM (30°-60°)	2321.7	38.6			
FH (60°-80°)	2535.8	42.2			G2/5000
FVH (80°-90°)	136.8	2.3			G2/225
BL (0°-30°)	180.1	3.0	B1/500		
BM (30°-60°)	256.9	4.3	B1/1000		
BH (60°-80°)	67.6	1.1	B0/110		G0/110
BVH (80°-90°)	1.3	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1173.3	1173.6	1170.8	1166.3	1160.6	1157.6	1152.6	1144.6	1136.1	1120.9	1104.4
5°	1197.3	1197.3	1193.8	1187.8	1178.5	1175.8	1166.3	1153.6	1136.1	1111.4	1083.7
7.5°	1194.8	1195.3	1190.5	1184.3	1175.1	1172.6	1161.1	1146.8	1125.1	1095.2	1059.7
10°	1181.8	1183.0	1179.3	1176.3	1167.8	1165.1	1154.3	1140.1	1118.4	1086.4	1045.7
12.5°	1168.6	1169.8	1171.1	1173.8	1168.6	1167.6	1159.1	1147.1	1126.4	1093.2	1047.2
15°	1160.1	1162.6	1171.6	1182.3	1183.5	1182.5	1177.0	1165.8	1144.8	1110.4	1058.0
17.5°	1160.1	1164.1	1182.8	1203.3	1210.5	1211.3	1206.5	1190.8	1165.8	1128.9	1068.0
20°	1169.8	1175.3	1204.5	1233.5	1245.5	1245.5	1236.2	1214.2	1185.0	1145.6	1074.7
22.5°	1194.8	1202.0	1238.7	1272.2	1284.9	1282.1	1269.7	1237.7	1205.0	1164.6	1083.2
25°	1244.0	1249.4	1287.6	1321.3	1329.1	1322.8	1307.1	1266.2	1230.5	1190.3	1098.7
27.5°	1307.4	1308.1	1347.6	1376.0	1371.3	1367.0	1347.3	1301.9	1267.2	1227.0	1125.4
30°	1377.0	1377.0	1411.7	1433.4	1419.0	1415.5	1395.7	1345.1	1314.1	1276.9	1163.3
32.5°	1444.4	1447.4	1475.6	1489.3	1473.1	1469.6	1450.4	1399.7	1376.5	1353.0	1222.5
35°	1509.6	1511.8	1538.5	1546.0	1530.5	1531.5	1517.8	1474.9	1466.1	1463.1	1311.6
37.5°	1572.7	1573.2	1600.4	1605.2	1597.4	1605.9	1607.2	1569.2	1585.5	1609.7	1437.2
40°	1630.4	1630.9	1657.9	1670.1	1683.3	1694.3	1704.0	1683.8	1737.5	1793.7	1586.7
42.5°	1676.6	1681.8	1716.0	1739.2	1774.2	1795.2	1821.6	1820.6	1918.5	2002.9	1767.4
45°	1717.3	1726.3	1773.9	1814.6	1874.5	1908.0	1949.4	1981.9	2122.2	2235.8	1950.4
47.5°	1770.9	1779.4	1833.9	1900.5	1980.4	2024.3	2093.0	2163.1	2346.1	2464.4	2129.2
50°	1846.6	1842.8	1896.5	1992.1	2094.7	2152.4	2250.2	2355.3	2568.3	2663.7	2234.3
52.5°	1927.2	1925.7	1965.4	2091.7	2229.5	2296.9	2426.2	2554.1	2780.7	2801.0	2282.5
55°	2027.1	2016.3	2049.8	2205.3	2389.5	2461.9	2614.2	2750.8	2950.0	2878.3	2306.7
57.5°	2131.7	2113.9	2145.9	2331.9	2570.0	2655.7	2822.4	2942.5	3062.6	2931.3	2306.4
60°	2239.8	2218.8	2256.7	2490.2	2794.2	2893.3	3048.1	3072.1	3167.7	2958.0	2289.4
62.5°	2330.1	2317.7	2374.1	2659.4	3044.6	3142.0	3218.6	3189.9	3256.3	2978.7	2249.7
65°	2425.7	2426.5	2517.6	2856.9	3310.7	3376.4	3382.9	3342.7	3330.4	2974.5	2115.4
67.5°	2555.1	2567.0	2719.1	3125.0	3569.6	3620.3	3619.8	3508.2	3384.6	2805.7	1817.6
70°	2691.9	2720.1	2951.2	3431.8	3852.2	3903.6	3877.1	3613.5	3186.9	2268.7	1286.4
72.5°	2668.9	2717.8	3080.3	3625.3	4055.1	4094.3	3922.3	3354.7	2518.9	1318.6	547.7
75°	2059.0	2115.7	2824.4	3433.5	3842.2	3807.0	3370.1	2610.5	1376.5	368.0	123.3
77.5°	1087.7	1117.9	1865.8	2615.7	2995.9	2922.3	2374.1	1448.2	419.6	91.1	55.4
80°	569.7	576.7	813.1	1484.1	1849.1	1849.6	1407.0	636.1	173.0	46.7	37.2
82.5°	305.1	311.1	429.6	685.8	968.9	878.2	538.7	350.0	100.6	26.5	35.7
85°	73.4	74.6	243.6	313.3	380.9	272.1	160.0	293.8	27.2	15.5	29.0
87.5°	28.2	28.7	90.4	135.6	97.1	62.9	74.9	109.6	3.5	6.0	4.5
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°	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4	1105.4
2.5°	1094.4	1087.9	1072.0	1051.7	1033.8	1020.8	1001.3	988.6	980.1	979.8	976.6
5°	1066.7	1053.5	1019.0	978.1	940.9	907.4	868.0	836.8	813.6	809.8	801.8
7.5°	1037.0	1015.3	962.4	898.5	836.0	772.6	699.0	653.3	614.1	595.4	593.4
10°	1018.8	988.3	913.2	820.8	723.0	619.9	523.5	456.8	408.7	394.9	384.7
12.5°	1015.0	974.8	875.2	747.9	608.1	471.8	365.2	294.3	255.9	243.6	240.4
15°	1018.8	968.6	843.3	675.8	491.8	334.8	245.1	204.0	189.5	186.0	185.7
17.5°	1021.0	961.1	807.1	595.6	379.0	239.2	187.7	175.7	173.5	173.2	173.7
20°	1020.8	949.6	763.9	506.3	281.8	188.0	169.8	167.3	166.8	167.0	166.8
22.5°	1019.0	936.1	716.5	414.2	212.9	168.0	162.0	160.5	160.3	160.3	160.3
25°	1022.3	925.4	664.3	326.0	175.5	158.8	155.0	153.8	153.5	153.5	153.0
27.5°	1034.0	919.4	607.1	250.9	158.5	150.5	147.5	147.3	146.5	146.3	146.8
30°	1053.0	919.4	544.5	195.2	148.3	142.0	139.8	139.3	139.0	138.8	139.0
32.5°	1086.4	926.4	476.1	162.3	138.5	132.6	131.1	131.8	131.1	131.1	131.1
35°	1146.8	947.4	404.4	141.5	128.3	123.3	121.8	122.8	122.3	122.3	122.1
37.5°	1235.0	986.3	332.3	129.1	119.3	114.1	112.1	113.6	113.1	113.1	112.8
40°	1342.3	1043.0	263.6	119.6	110.6	105.1	103.4	104.1	102.9	102.9	103.4
42.5°	1474.9	1114.9	203.7	110.3	101.9	96.6	95.6	94.9	92.6	91.4	91.6
45°	1622.2	1189.8	158.8	101.4	93.6	89.4	87.9	85.9	82.1	79.6	79.9
47.5°	1753.7	1247.4	129.1	92.6	86.1	82.9	80.6	76.9	71.4	68.4	68.7
50°	1822.9	1256.2	109.8	83.9	79.1	75.9	72.6	66.9	60.4	57.2	56.9
52.5°	1840.6	1215.2	95.6	75.9	72.1	68.4	64.2	56.4	49.2	45.7	45.2
55°	1847.1	1152.8	82.9	68.4	64.7	60.4	54.9	46.2	39.4	35.9	35.7
57.5°	1825.6	1059.7	72.9	61.7	57.2	51.9	45.2	36.9	30.5	27.7	27.7
60°	1777.9	933.7	65.2	54.4	49.4	43.4	36.4	28.7	22.7	20.5	20.5
62.5°	1682.8	770.4	57.9	46.9	42.2	35.9	29.5	21.7	16.0	14.7	15.0
65°	1503.3	584.4	50.7	40.2	35.9	29.7	23.0	15.5	10.7	10.7	11.2
67.5°	1226.0	405.9	43.2	34.2	31.0	24.2	17.5	10.7	7.5	8.5	9.5
70°	811.6	227.7	36.9	28.2	26.5	19.2	13.0	7.2	6.0	8.0	9.7
72.5°	306.3	88.6	31.0	22.7	23.0	14.7	9.2	5.5	5.5	8.7	11.5
75°	85.4	43.4	22.2	16.7	18.0	10.7	6.7	4.7	5.2	10.0	13.5
77.5°	50.2	32.0	14.5	9.7	12.2	7.5	4.5	3.7	4.5	8.5	13.0
80°	40.4	17.0	8.5	5.0	6.7	4.2	3.0	2.2	1.2	3.2	6.7
82.5°	40.4	10.2	4.0	3.5	3.5	2.2	1.5	1.0	0.2	0.0	1.7
85°	27.2	4.2	2.5	2.2	1.7	0.7	0.5	0.2	0.0	0.0	0.0
87.5°	4.5	1.7	1.0	0.5	0.2	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)