

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: P654144

Luminaire Tested: **GLAN-SA1B-840-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P654144  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA1B-840-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2826.6 lumens  
Efficiency: N/A  
Efficacy: 64.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0

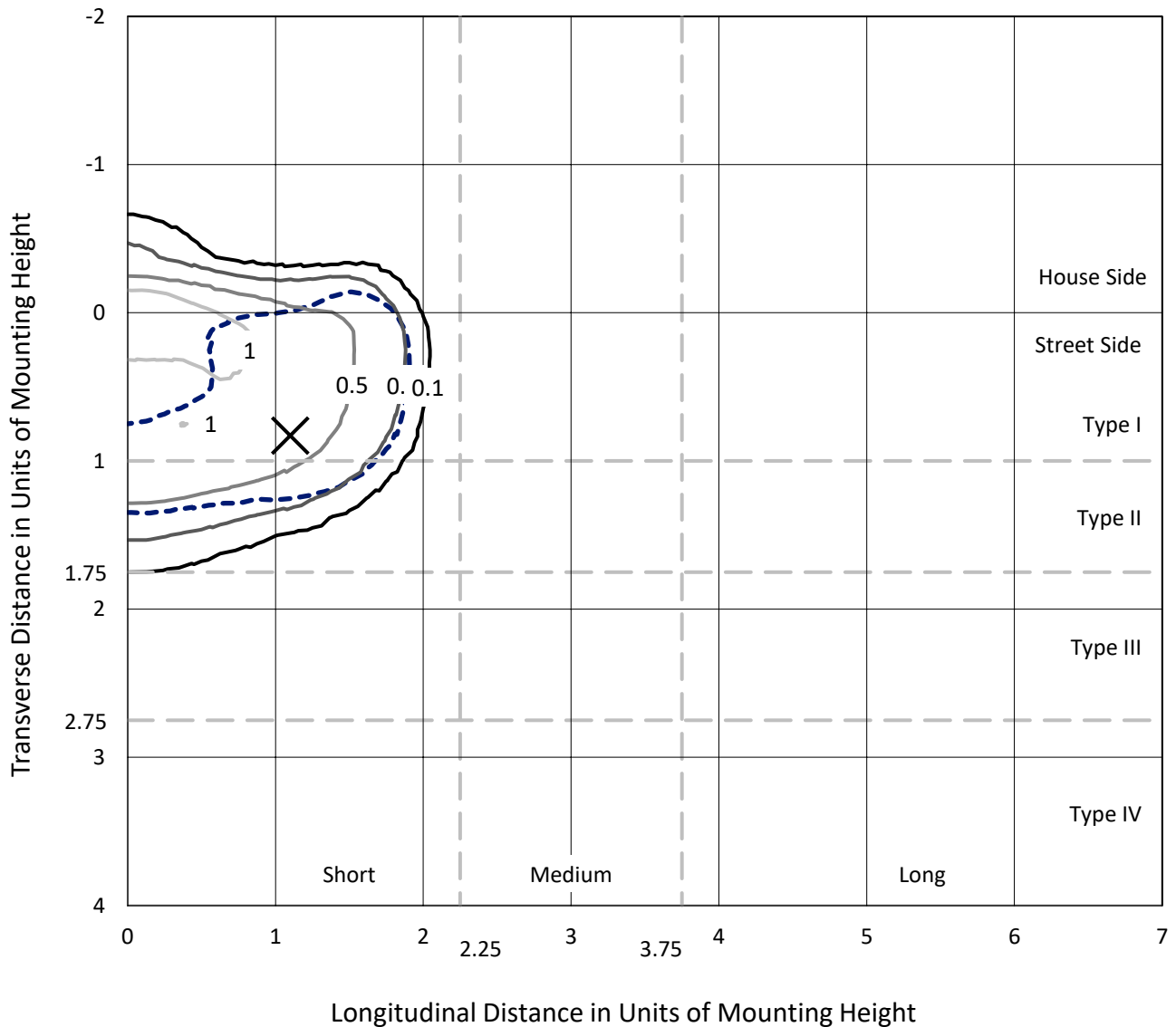
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

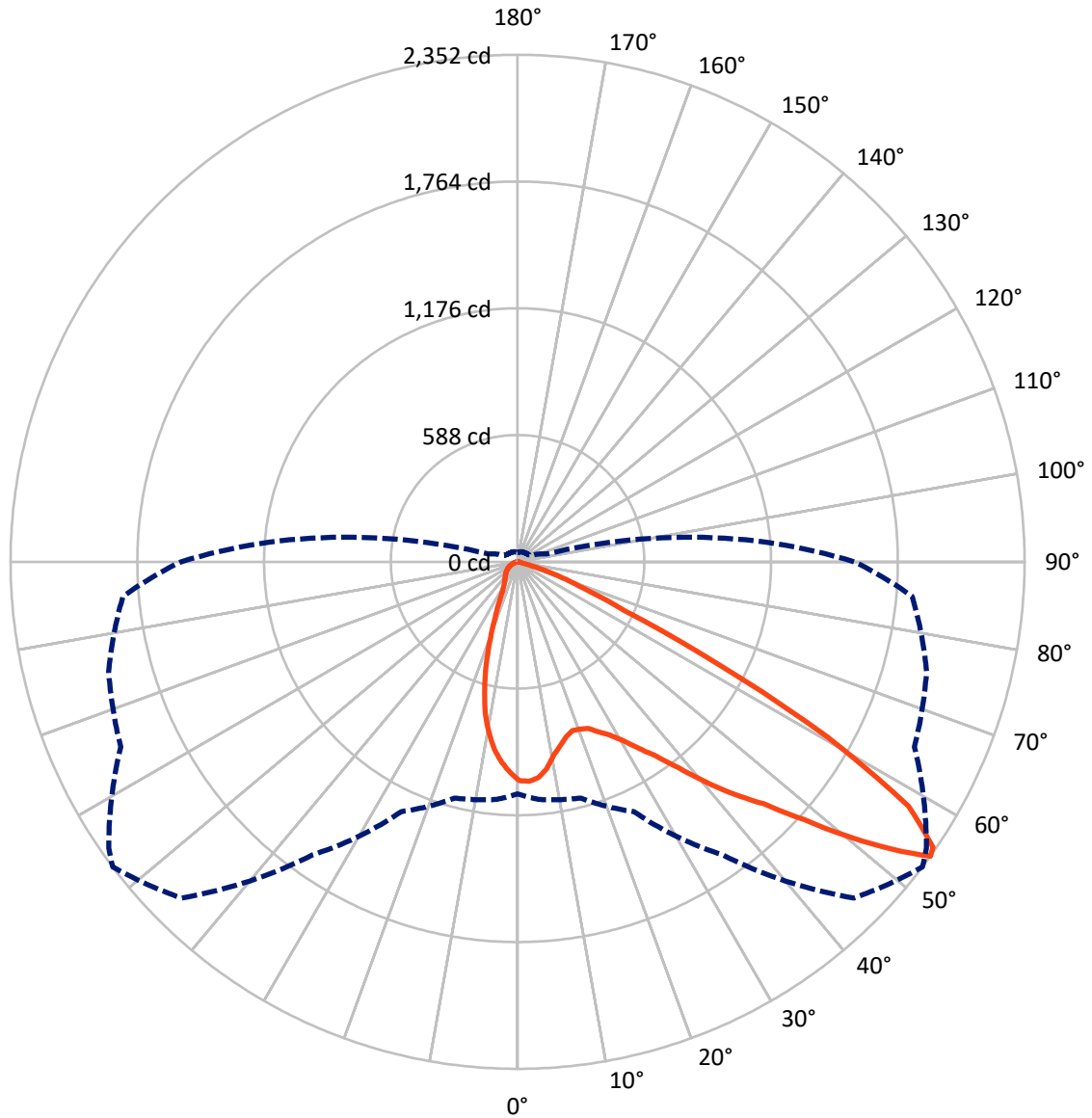
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P654144  
CATALOG NUMBER: GLAN-SA1B-840-U-SL2-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral    - - - Horizontal Cone Through 54-Deg Vertical

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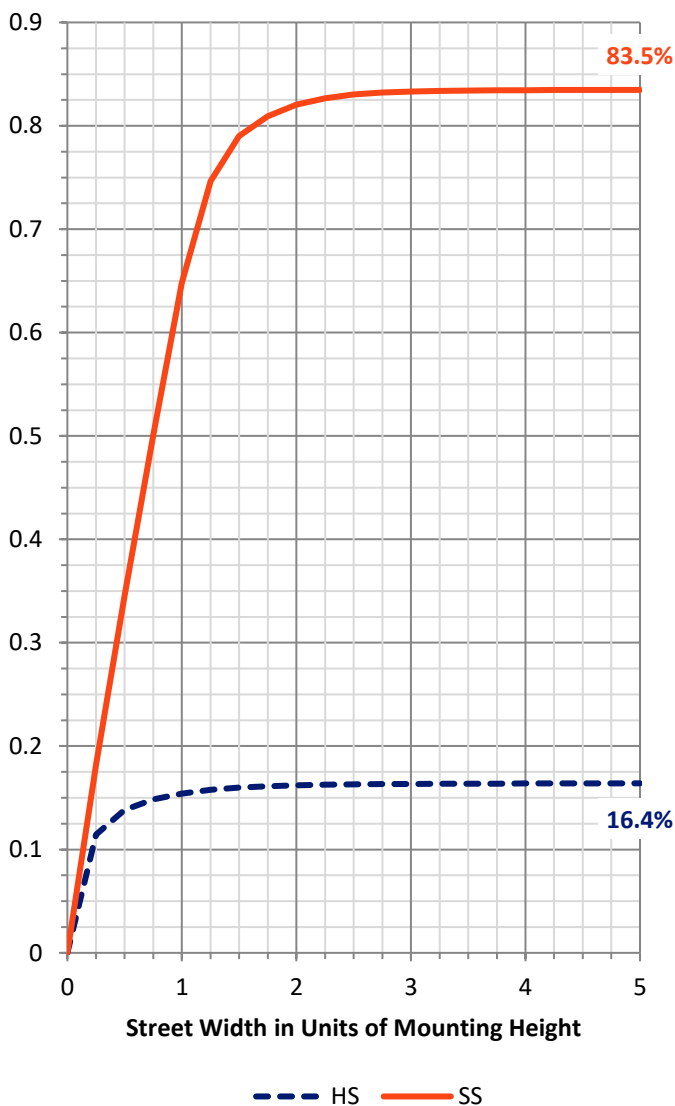
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	467.6	0.0	467.6
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	2358.9	0.0	2358.9
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	2826.6	0.0	2826.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.1	3.1
10°-20°	199.7	7.1
20°-30°	283.8	10.0
30°-40°	438.0	15.5
40°-50°	686.8	24.3
50°-60°	797.8	28.2
60°-70°	301.4	10.7
70°-80°	28.7	1.0
80°-90°	3.2	0.1
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°	2826.6	100.0
0°-180°	2826.6	100.0

**Coefficient of Utilization**

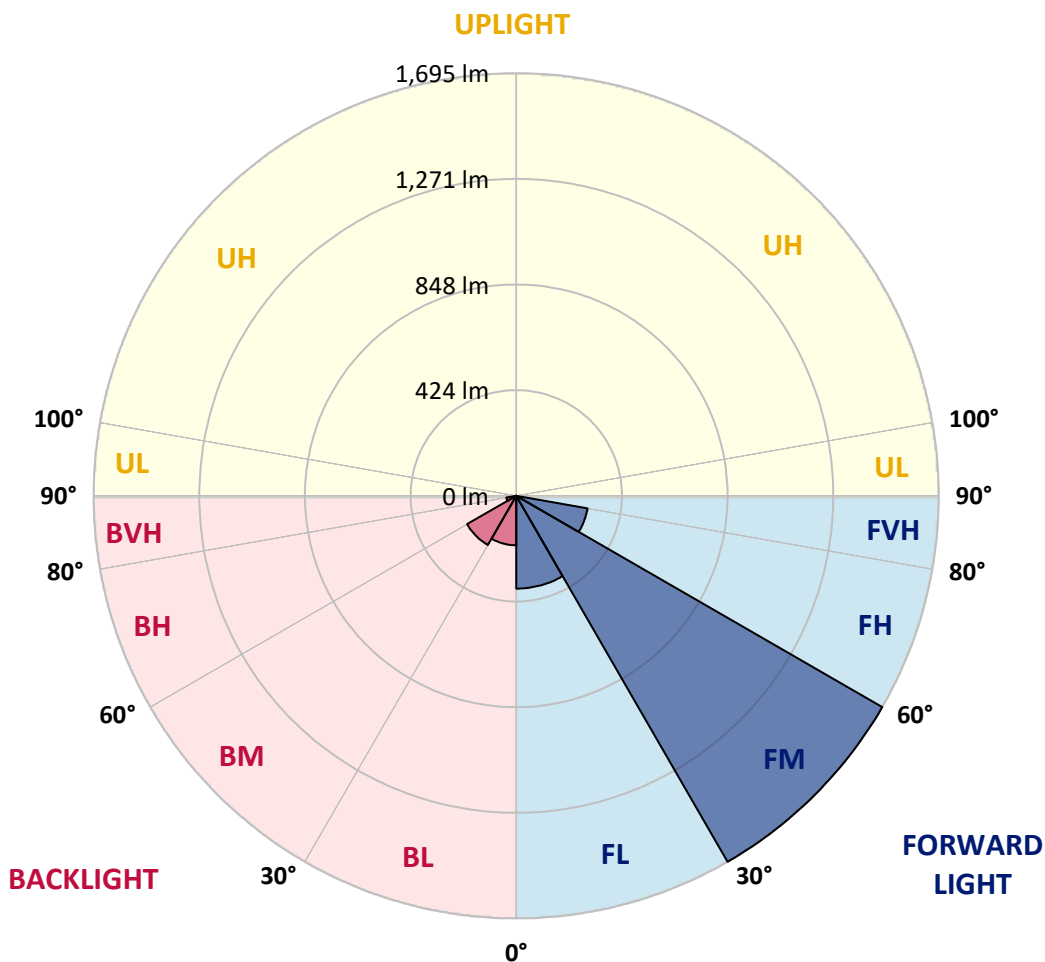


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	372.2	13.2			
FM (30°-60°)	1695.0	60.0			
FH (60°-80°)	290.1	10.3			G0/660
FVH (80°-90°)	1.7	0.1			G0/10
BL (0°-30°)	198.5	7.0	B1/500		
BM (30°-60°)	227.6	8.1	B1/1000		
BH (60°-80°)	40.1	1.4	B0/110		G0/110
BVH (80°-90°)	1.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3
2.5°	1010.0	1001.0	1010.0	1011.1	1017.4	1023.2	1019.5	1027.9	1023.2	1017.9	1016.3
5°	928.4	940.5	941.0	960.0	955.8	990.5	1005.8	1001.5	1027.4	1025.8	1022.2
7.5°	855.2	850.4	856.7	878.8	906.8	946.8	968.9	968.4	1005.2	1031.6	1029.0
10°	787.3	786.8	799.9	817.3	841.0	883.1	913.7	928.9	986.3	1026.4	1032.2
12.5°	741.4	739.3	753.5	767.7	805.2	837.8	876.7	884.1	950.0	1007.9	1017.4
15°	711.4	716.2	717.2	744.6	768.3	811.5	842.0	857.3	933.1	993.1	1029.5
17.5°	706.2	712.5	713.0	735.6	760.9	797.3	824.1	844.6	918.9	1000.5	1030.0
20°	716.7	713.0	716.2	730.4	755.1	789.9	828.9	835.7	914.2	1004.2	1035.8
22.5°	746.7	745.6	737.7	749.3	766.7	803.1	839.9	850.4	927.9	1023.2	1040.6
25°	779.9	785.7	778.3	776.7	788.9	824.6	873.6	887.3	973.6	1057.4	1055.3
27.5°	842.0	836.2	836.2	828.9	825.7	843.1	910.0	932.6	1024.8	1101.6	1072.1
30°	901.6	907.9	903.1	905.8	884.6	883.1	961.5	989.4	1115.3	1169.0	1107.9
32.5°	995.7	987.3	995.2	988.4	960.5	932.1	1031.6	1060.6	1224.8	1246.4	1161.7
35°	1074.2	1070.6	1104.2	1103.2	1057.9	1030.0	1105.8	1149.1	1301.2	1339.1	1224.8
37.5°	1185.9	1179.0	1217.5	1235.9	1195.4	1153.8	1212.2	1262.3	1372.3	1413.4	1289.6
40°	1300.7	1318.0	1369.7	1400.2	1357.0	1301.7	1342.3	1357.5	1419.7	1461.8	1333.8
42.5°	1446.0	1471.3	1524.0	1550.3	1546.6	1486.6	1474.4	1473.9	1453.9	1448.1	1366.5
45°	1585.5	1576.1	1657.2	1714.5	1760.9	1743.6	1601.9	1586.1	1508.2	1468.6	1375.0
47.5°	1646.7	1643.5	1698.8	1800.9	1958.9	1980.5	1787.2	1726.2	1599.8	1555.0	1420.7
50°	1567.6	1584.0	1638.8	1752.0	1994.2	2159.0	2014.7	1932.6	1706.6	1660.3	1529.2
52.5°	1309.6	1320.7	1372.8	1516.6	1874.2	2264.3	2232.8	2185.3	1903.1	1826.2	1718.2
54°	1076.9	1106.3	1134.8	1279.1	1660.3	2205.9	2352.3	2315.9	2031.1	1964.2	1837.2
55°	937.9	955.2	975.8	1119.5	1512.4	2106.9	2338.6	2341.8	2116.9	2007.4	1917.3
57.5°	685.1	697.2	676.2	739.8	1038.5	1710.9	2139.0	2224.4	2232.8	2072.1	1966.3
60°	523.4	528.7	505.0	515.0	645.6	1174.3	1654.6	1757.3	2014.2	1810.9	1665.6
62.5°	406.0	407.0	406.5	423.9	445.0	690.9	1034.8	1125.8	1388.7	1286.0	1131.1
65°	299.1	294.3	302.8	355.5	379.7	434.5	545.1	611.4	754.6	637.1	455.5
67.5°	193.8	195.4	203.8	264.3	325.5	333.4	335.5	330.2	330.7	182.2	114.3
70°	116.4	119.0	116.4	149.5	232.8	239.1	218.6	213.3	166.4	43.1	42.6
72.5°	69.0	65.3	58.4	64.3	96.9	115.9	104.3	103.8	65.3	25.3	25.3
75°	28.9	26.3	21.6	19.5	25.8	24.7	24.7	22.1	17.4	16.8	15.8
77.5°	5.8	5.8	4.2	4.7	6.3	7.4	8.9	8.9	10.5	10.5	10.0
80°	0.0	0.5	1.6	3.2	4.7	6.8	7.9	7.9	8.9	8.9	7.4
82.5°	0.0	0.5	1.6	3.2	4.2	6.3	7.9	7.9	8.9	9.5	7.9
85°	0.0	0.5	1.6	2.6	4.2	5.3	5.3	4.7	3.7	3.2	2.1
87.5°	0.0	0.0	0.5	1.1	0.5	1.1	1.1	1.1	1.1	1.1	1.1
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: P654144

CATALOG NUMBER: GLAN-SA1B-840-U-SL2-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3	1015.3
2.5°	1020.0	1019.5	1006.8	986.3	981.5	964.2	962.1	951.6	957.3	937.9	935.8
5°	1011.6	1005.2	990.0	976.8	938.4	911.0	889.4	863.1	847.8	850.4	840.4
7.5°	1023.7	1007.3	980.5	934.7	887.8	839.9	814.1	760.4	740.9	712.0	707.7
10°	1011.1	998.9	957.3	881.5	816.8	747.7	687.2	627.7	582.4	563.0	558.7
12.5°	1010.0	988.9	919.5	835.2	741.4	642.4	554.5	480.2	435.5	410.2	404.4
15°	993.6	968.4	876.7	763.5	634.0	510.8	414.9	343.3	309.1	294.3	298.6
17.5°	995.2	957.3	834.1	687.8	528.1	374.9	283.3	246.4	237.5	241.2	241.2
20°	993.6	932.6	782.6	600.3	404.4	260.1	208.0	194.9	200.7	212.2	209.6
22.5°	985.2	921.0	735.1	508.1	297.5	192.8	166.9	167.4	176.4	190.7	193.8
25°	991.5	895.2	675.1	414.9	217.0	153.7	144.8	148.5	157.9	168.5	170.6
27.5°	986.8	876.7	612.4	322.3	158.5	132.2	131.6	135.8	140.1	147.9	147.9
30°	992.1	859.9	550.9	239.6	130.6	121.1	119.0	122.2	126.4	128.0	127.4
32.5°	1011.6	847.3	479.7	179.0	115.3	110.6	110.6	110.6	110.1	112.2	112.7
35°	1054.2	849.4	417.1	138.5	105.3	101.6	100.1	98.0	96.9	98.0	98.5
37.5°	1100.6	848.3	352.3	118.0	98.0	94.8	91.1	88.0	87.4	88.5	86.9
40°	1121.1	858.3	292.2	105.9	91.1	87.4	81.7	79.0	79.5	80.6	79.5
42.5°	1149.1	861.5	253.3	96.4	84.8	79.0	75.3	72.2	71.7	73.2	72.7
45°	1148.5	843.6	212.2	91.1	79.0	72.7	68.0	65.3	65.3	66.4	66.9
47.5°	1182.2	841.0	182.2	86.4	74.8	68.5	62.7	60.6	60.0	60.0	59.0
50°	1260.7	877.8	159.0	81.1	69.6	63.7	59.0	56.3	54.2	53.2	52.6
52.5°	1413.9	992.6	141.1	74.8	63.7	59.0	54.7	52.6	50.0	47.4	46.8
54°	1562.4	1111.1	140.1	69.6	59.0	55.8	52.1	51.0	47.9	44.2	43.1
55°	1629.3	1180.1	143.7	65.3	55.8	53.7	50.5	49.5	46.3	42.1	41.6
57.5°	1684.5	1206.9	141.6	54.2	50.5	50.0	47.4	45.8	42.1	36.3	35.3
60°	1355.9	912.6	101.6	47.9	46.3	45.2	43.1	42.1	37.4	31.0	30.5
62.5°	856.7	525.0	64.8	42.1	40.5	38.9	36.3	35.3	31.0	24.7	23.2
65°	364.9	217.5	43.7	37.4	34.7	32.1	30.0	28.4	24.7	18.4	17.9
67.5°	94.8	77.4	36.3	32.6	28.9	25.3	23.7	21.0	16.8	12.6	12.1
70°	42.6	38.9	30.5	27.4	23.2	19.5	17.4	14.7	11.0	8.4	7.9
72.5°	25.3	24.7	23.2	20.5	17.4	14.7	12.6	10.0	7.4	4.7	4.7
75°	15.8	15.3	15.8	14.2	12.1	11.0	9.5	6.8	4.2	2.1	2.1
77.5°	9.5	9.5	9.5	8.9	8.4	8.4	6.8	4.2	2.1	0.5	0.5
80°	7.4	7.4	7.9	7.4	7.4	7.4	5.8	3.2	1.1	0.0	0.0
82.5°	7.4	7.9	8.9	8.4	7.4	6.3	5.3	3.2	1.1	0.0	0.0
85°	2.1	1.6	2.6	3.7	5.3	4.7	3.7	2.6	1.1	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	0.5	0.5	0.5	0.5	0.5	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)