

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: McGRAW-EDISON

Report Number: P632034

Luminaire Tested: GWS-SA2B-830-U-SL2-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-28)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2B-830-U-SL2-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

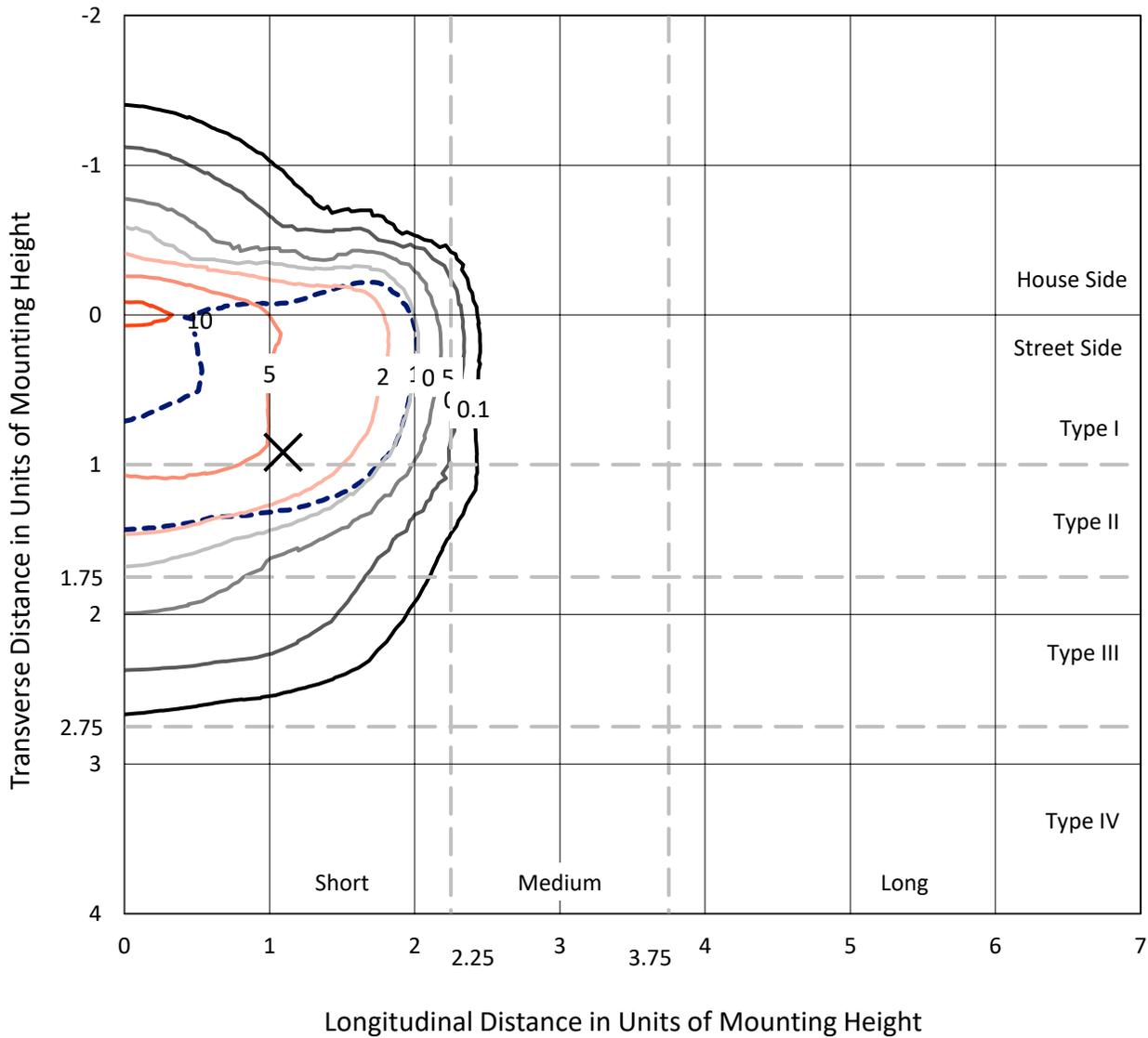
Lumens per Lamp: N/A  
Luminaire Lumens: 3219.1 lumens  
Efficiency: N/A  
Efficacy: 69.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 46.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P632034  
 CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

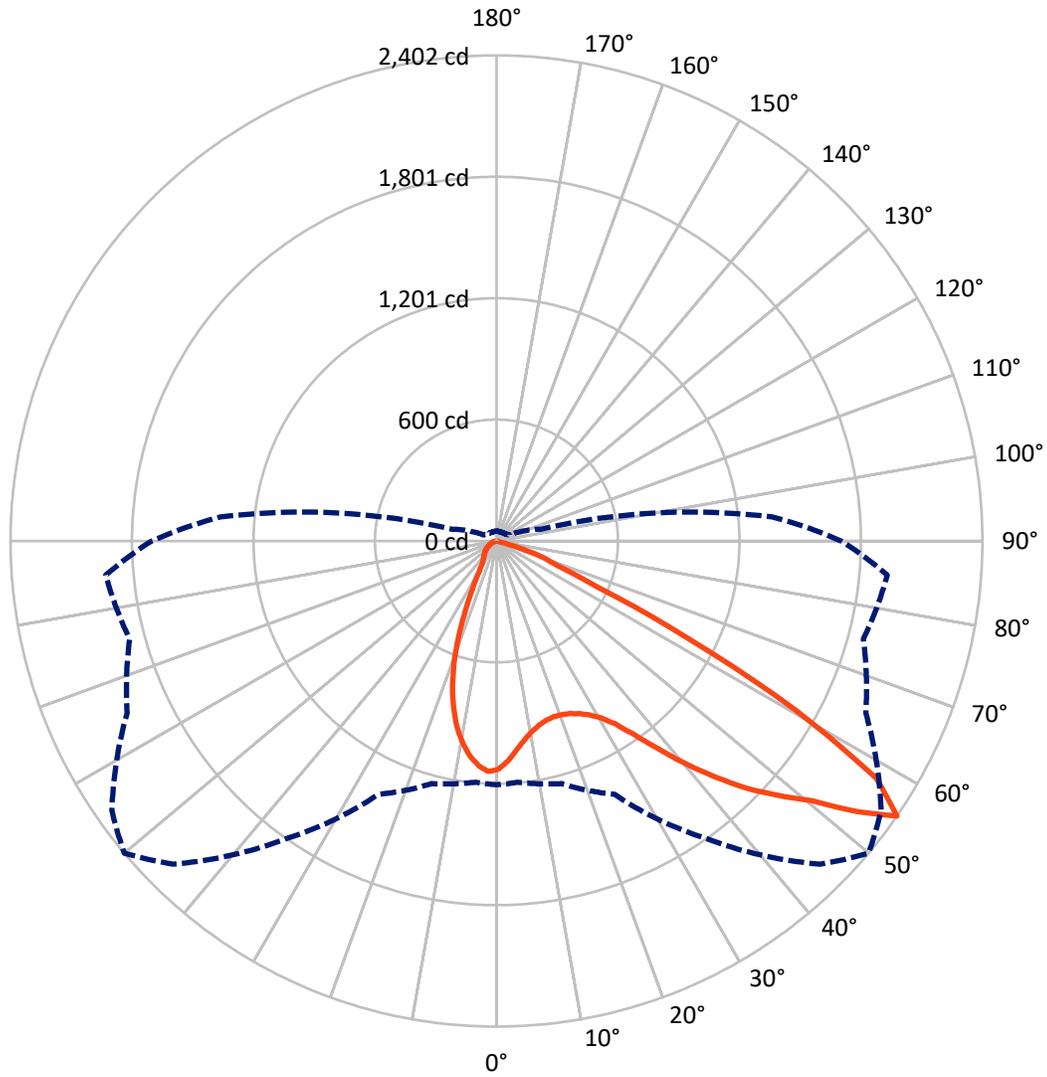
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.3 fc  
 Type II - Short - N/A

REPORT NUMBER: P632034  
CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P632034  
 CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSBK

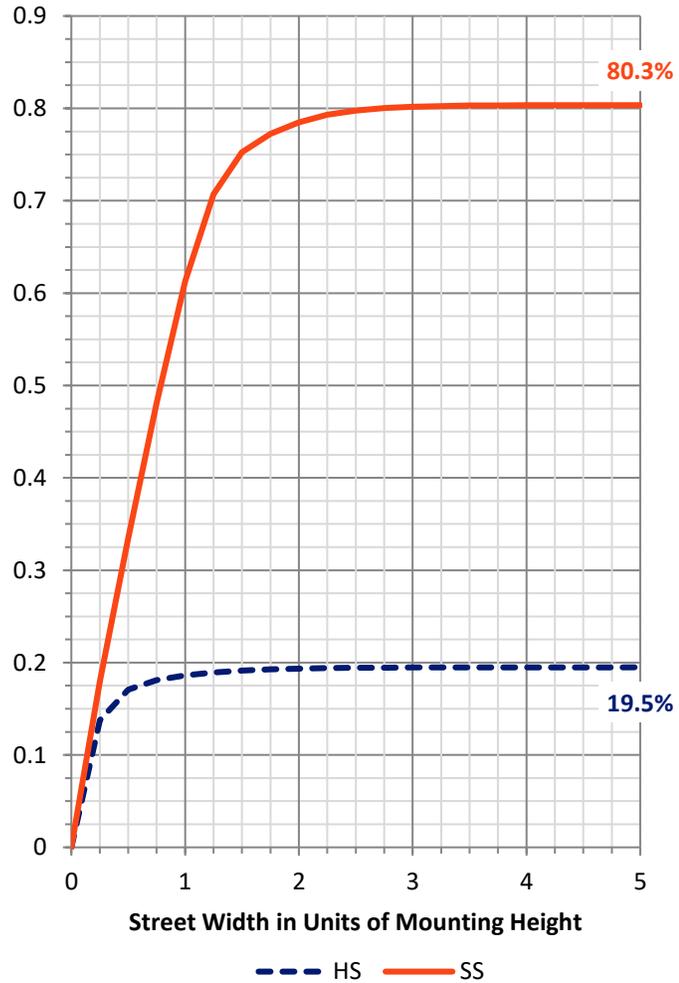
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	634.3	0.0	634.3
	% Fixture	19.7	0.0	19.7
<b>Street Side</b>	Lumens	2584.8	0.0	2584.8
	% Fixture	80.3	0.0	80.3
<b>Total</b>	Lumens	3219.1	0.0	3219.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.2	3.1
10°-20°	244.1	7.6
20°-30°	344.3	10.7
30°-40°	509.5	15.8
40°-50°	735.0	22.8
50°-60°	867.0	26.9
60°-70°	386.8	12.0
70°-80°	33.3	1.0
80°-90°	0.0	0.0
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°	3219.1	100.0
0°-180°	3219.1	100.0

**Coefficient of Utilization**



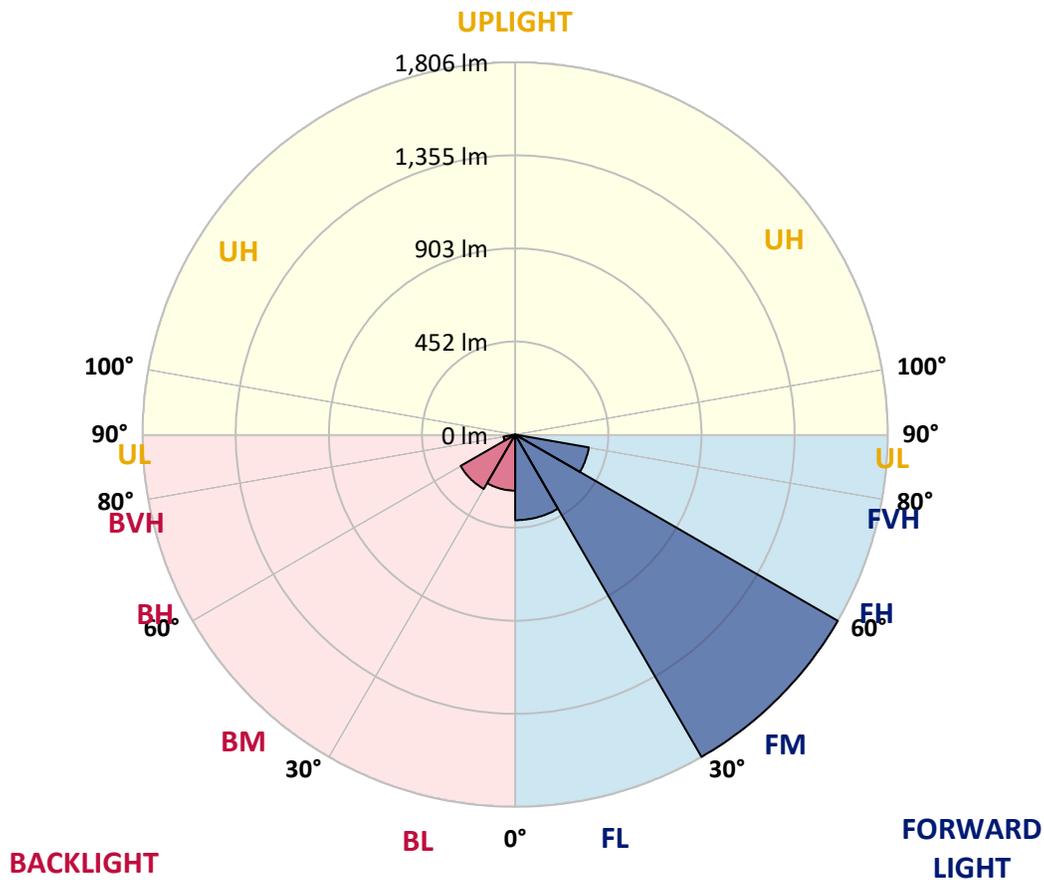
REPORT NUMBER: P632034

CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	415.6	12.9			
FM (30°-60°)	1806.5	56.1			
FH (60°-80°)	362.7	11.3			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	272.0	8.4	B1/500		
BM (30°-60°)	305.1	9.5	B1/1000		
BH (60°-80°)	57.3	1.8	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





REPORT NUMBER: P632034

CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4
2.5°	1049.3	1050.1	1050.4	1061.1	1065.0	1080.7	1089.0	1093.3	1104.7	1118.0	1129.0
5°	978.9	977.7	979.7	993.1	1001.7	1024.9	1037.5	1046.1	1071.3	1102.7	1129.0
7.5°	917.6	920.0	922.3	936.9	949.8	975.0	993.1	1006.0	1041.0	1087.8	1132.2
10°	874.4	874.4	877.9	894.4	909.8	940.8	958.9	975.4	1017.0	1074.4	1135.7
12.5°	842.6	843.0	847.3	866.1	883.8	916.0	934.9	951.0	997.0	1061.1	1136.5
15°	827.6	826.4	830.0	850.0	869.7	899.9	919.6	935.3	982.9	1053.6	1140.4
17.5°	823.7	822.9	825.7	845.3	865.4	894.8	914.1	929.8	980.9	1056.0	1152.2
20°	835.1	833.5	832.3	849.2	868.1	897.2	917.2	934.9	990.3	1068.9	1170.3
22.5°	862.2	862.2	859.5	867.7	880.3	906.6	927.4	950.6	1015.1	1094.9	1197.0
25°	912.1	908.2	903.1	906.6	905.0	921.6	946.3	978.5	1061.8	1137.7	1229.7
27.5°	969.1	972.6	964.0	964.4	950.6	944.7	973.4	1022.2	1131.4	1198.2	1278.0
30°	1046.5	1043.8	1044.2	1043.0	1011.2	983.2	1014.3	1079.1	1219.0	1290.6	1340.9
32.5°	1107.0	1111.0	1123.9	1131.4	1089.7	1044.9	1078.0	1156.6	1318.9	1395.9	1417.9
35°	1171.1	1178.2	1204.5	1228.9	1193.9	1142.4	1177.8	1259.1	1412.8	1500.0	1506.3
37.5°	1238.7	1252.8	1284.3	1327.1	1321.6	1276.0	1308.2	1379.8	1486.7	1562.9	1579.4
40°	1316.1	1329.9	1381.3	1443.0	1456.0	1445.8	1456.4	1498.1	1535.4	1565.7	1610.8
42.5°	1401.0	1419.9	1485.1	1567.6	1616.3	1625.4	1600.6	1596.3	1556.6	1534.2	1604.2
45°	1501.2	1523.2	1597.1	1704.0	1781.4	1793.6	1750.7	1695.3	1570.0	1511.0	1584.1
47.5°	1613.6	1634.4	1707.9	1836.4	1951.6	1956.3	1881.6	1792.4	1609.7	1537.8	1599.4
50°	1651.3	1664.3	1728.0	1878.9	2091.1	2127.2	2019.2	1901.7	1689.4	1616.3	1674.1
52.5°	1521.6	1526.7	1582.2	1734.6	2062.8	2295.0	2220.0	2064.7	1831.3	1736.2	1789.3
55°	1205.7	1197.4	1242.2	1382.1	1792.8	2260.8	2401.9	2321.0	2014.0	1876.9	1939.0
57.5°	843.3	833.5	823.3	918.0	1337.7	1916.6	2213.3	2356.7	2188.1	2016.4	2100.5
60°	693.2	683.8	634.3	590.7	808.8	1376.2	1700.1	1970.0	2174.0	2009.3	2095.4
62.5°	598.9	593.4	573.4	514.0	475.9	785.6	1064.6	1323.2	1668.2	1577.8	1582.6
65°	470.4	468.8	482.6	488.9	420.9	434.6	543.1	687.7	901.9	850.4	806.4
67.5°	321.5	317.9	343.9	422.9	404.8	343.1	317.9	320.7	390.2	238.5	189.4
70°	204.4	196.1	196.5	262.1	329.3	270.8	245.2	215.7	194.1	35.4	40.1
72.5°	130.9	125.8	108.1	118.3	152.5	132.0	133.2	114.8	76.6	18.9	22.0
75°	55.0	50.7	38.9	31.0	30.7	19.3	16.9	15.7	10.6	10.6	11.4
77.5°	0.4	0.0	0.0	0.4	0.8	0.4	0.4	0.8	1.6	2.4	2.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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



REPORT NUMBER: P632034

CATALOG NUMBER: GWS-SA2B-830-U-SL2-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4	1129.4
2.5°	1135.7	1126.3	1136.9	1140.8	1140.4	1140.8	1129.4	1121.6	1121.2	1111.4	1106.6
5°	1140.0	1132.6	1140.4	1135.3	1123.2	1107.8	1087.4	1069.7	1061.8	1050.4	1044.9
7.5°	1148.3	1140.4	1139.3	1118.8	1088.6	1056.3	1020.2	988.0	970.7	949.8	951.0
10°	1154.2	1145.2	1129.8	1088.2	1037.9	986.4	932.6	884.6	854.3	826.4	821.7
12.5°	1156.6	1143.2	1107.4	1044.6	973.8	906.6	827.6	759.2	712.1	675.5	670.4
15°	1160.9	1139.3	1078.7	991.9	894.8	799.7	699.1	605.6	543.1	501.1	504.6
17.5°	1167.6	1134.9	1046.5	932.9	809.9	675.5	539.6	432.3	374.9	350.5	350.9
20°	1177.0	1129.8	1011.2	868.1	708.2	535.2	377.3	296.3	280.2	279.4	278.2
22.5°	1189.6	1124.7	973.4	797.0	587.5	374.9	251.1	226.0	232.6	245.6	248.0
25°	1204.5	1118.4	931.4	716.8	455.9	246.0	188.2	184.3	200.4	217.7	221.6
27.5°	1227.7	1115.3	883.4	625.6	319.9	176.5	154.1	156.4	170.9	185.5	189.0
30°	1267.0	1121.2	831.2	523.5	205.5	140.7	133.6	137.2	145.0	152.5	155.6
32.5°	1320.4	1138.5	780.5	411.8	146.6	122.2	120.6	122.6	125.8	130.1	131.3
35°	1382.9	1168.3	728.2	294.7	121.0	111.6	110.0	110.0	111.6	112.4	112.8
37.5°	1434.4	1199.8	679.1	196.1	108.5	103.4	101.0	99.8	99.4	100.2	100.6
40°	1456.8	1212.8	625.6	142.7	99.4	95.9	92.4	88.8	88.8	91.6	92.0
42.5°	1441.1	1198.2	563.9	117.9	93.1	88.0	82.5	79.4	81.0	83.7	84.5
45°	1407.7	1162.5	495.9	104.1	86.8	80.2	73.9	71.9	73.5	77.0	77.8
47.5°	1402.2	1138.9	414.6	95.1	80.2	73.5	66.8	64.8	66.8	69.6	70.3
50°	1456.8	1159.3	324.2	87.2	73.9	66.4	60.9	58.9	60.1	61.7	62.5
52.5°	1556.6	1235.2	261.7	79.8	66.4	59.3	55.8	53.4	53.4	55.0	55.4
55°	1704.0	1367.6	226.0	71.1	57.8	53.8	50.7	48.3	48.3	49.1	49.5
57.5°	1873.8	1527.9	234.2	59.7	50.7	48.7	46.0	44.0	44.8	44.8	44.8
60°	1850.2	1516.1	250.7	50.3	44.8	44.0	41.7	40.9	42.8	41.3	40.5
62.5°	1362.9	1047.3	131.3	41.3	38.5	37.7	36.2	37.7	40.5	36.2	34.6
65°	661.8	507.0	52.7	33.8	32.6	31.8	31.0	33.4	35.0	28.3	26.7
67.5°	155.6	126.5	34.2	28.7	27.1	25.5	26.3	26.7	25.5	19.3	18.5
70°	40.5	39.7	26.7	24.0	21.6	20.0	20.0	19.6	16.9	12.2	11.4
72.5°	22.0	21.6	19.3	18.1	14.9	13.4	13.8	12.2	9.4	7.1	6.7
75°	11.0	11.8	11.0	10.2	8.3	7.5	7.5	6.7	4.7	2.8	2.8
77.5°	2.4	2.8	2.8	2.4	2.0	1.6	1.6	2.0	0.8	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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)