

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: P632721

Luminaire Tested: GWS-SA2D-730-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632721  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2D-730-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

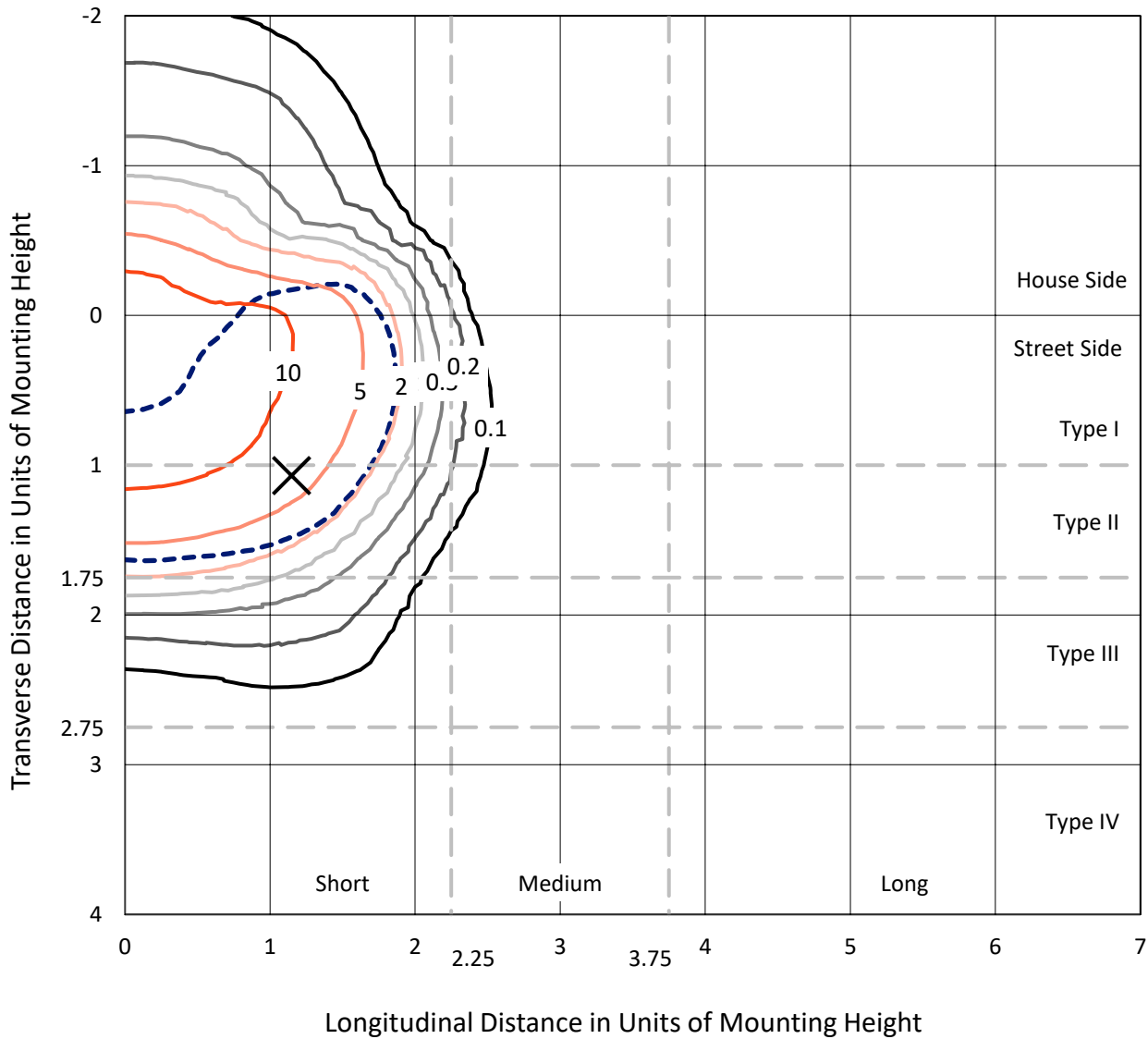
Lumens per Lamp: N/A  
Luminaire Lumens: 6565.7 lumens  
Efficiency: N/A  
Efficacy: 80.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 82.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P632721  
 CATALOG NUMBER: GWS-SA2D-730-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

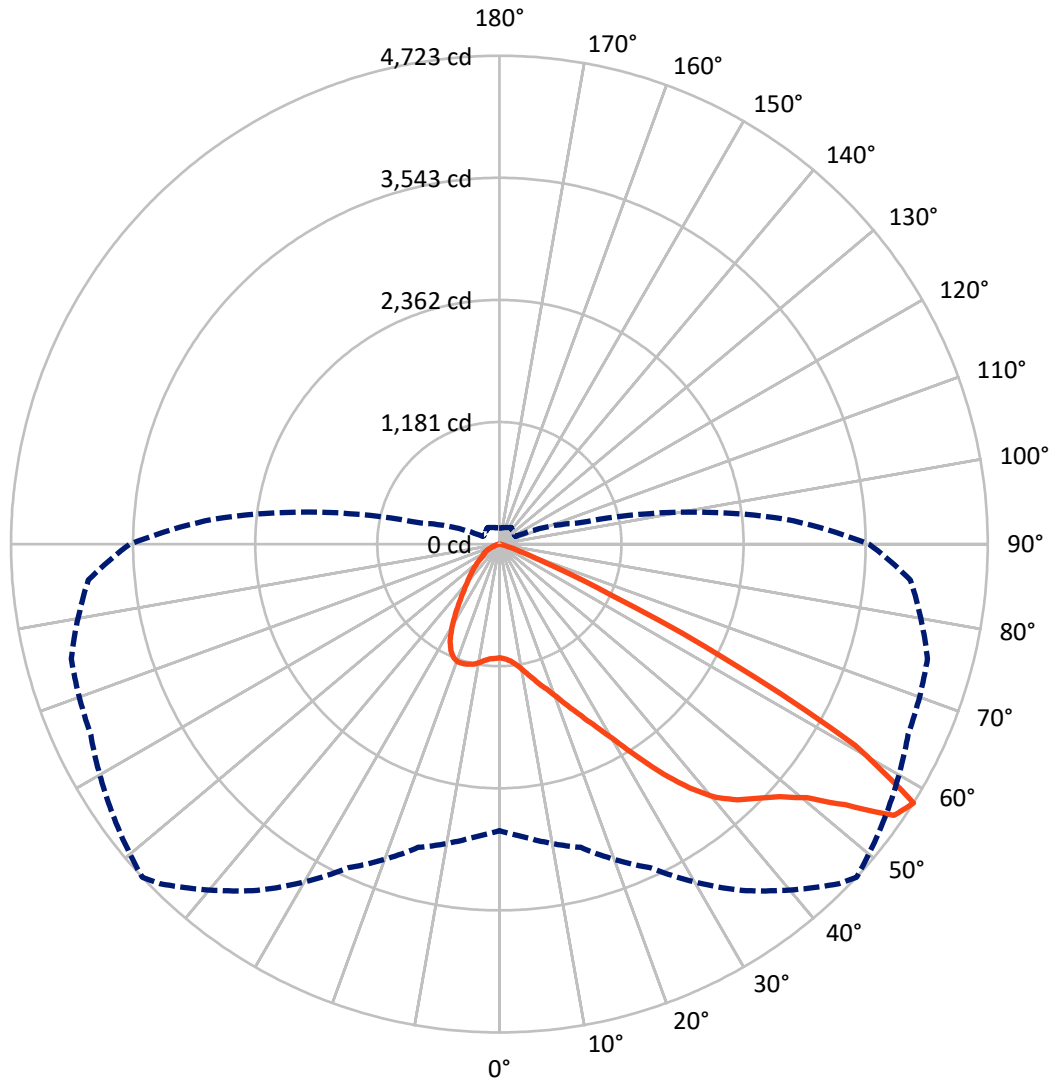
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P632721  
CATALOG NUMBER: GWS-SA2D-730-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632721

CATALOG NUMBER: GWS-SA2D-730-U-T3-W-GRSBK

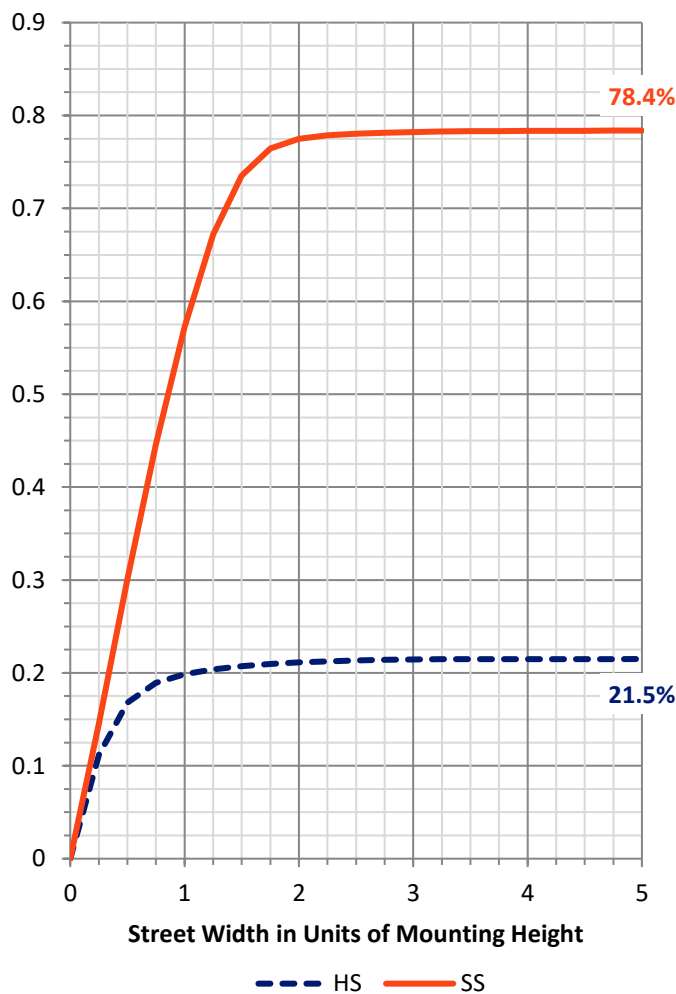
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1424.4	0.0	1424.4
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	5141.3	0.0	5141.3
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	6565.7	0.0	6565.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.3	1.7
10°-20°	369.0	5.6
20°-30°	685.1	10.4
30°-40°	1096.7	16.7
40°-50°	1603.1	24.4
50°-60°	1978.5	30.1
60°-70°	661.1	10.1
70°-80°	61.6	0.9
80°-90°	1.3	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°	6565.7	100.0
0°-180°	6565.7	100.0

**Coefficient of Utilization**



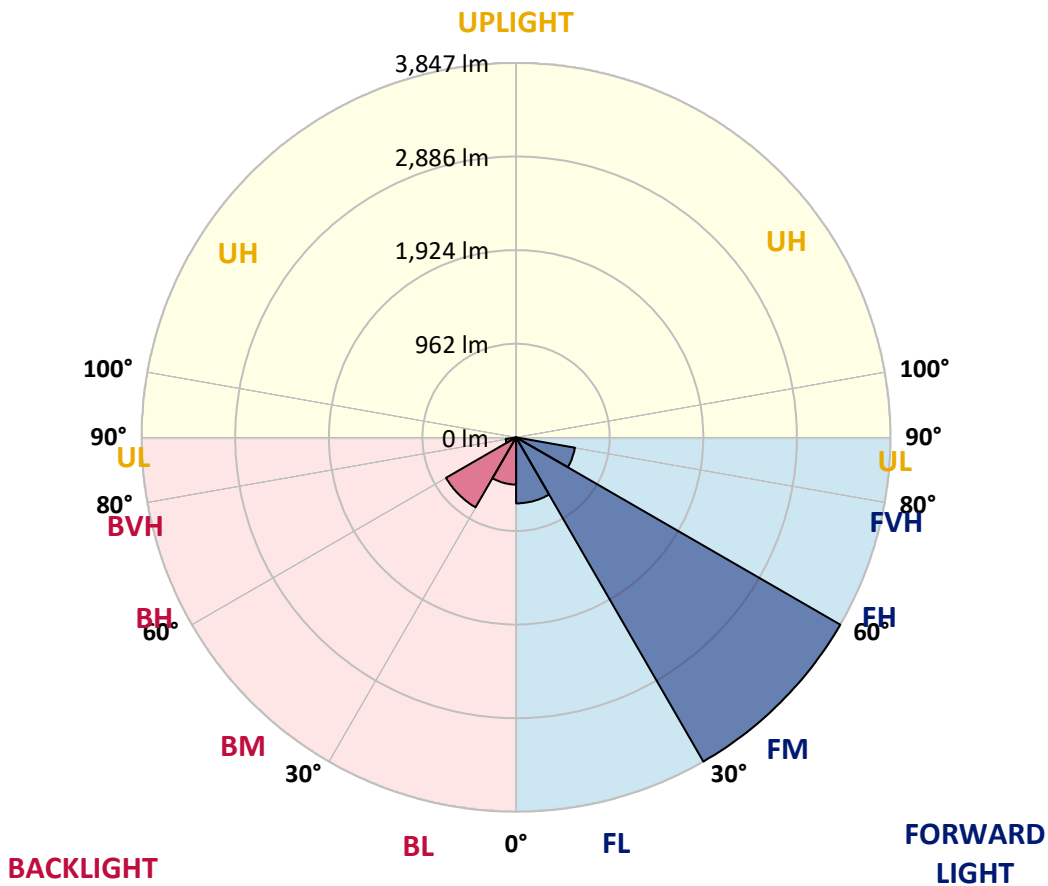
REPORT NUMBER: P632721

CATALOG NUMBER: GWS-SA2D-730-U-T3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	678.5	10.3			
FM (30°-60°)	3847.4	58.6			
FH (60°-80°)	614.4	9.4			G0/660
FVH (80°-90°)	0.9	0.0			G0/10
BL (0°-30°)	484.9	7.4	B1/500		
BM (30°-60°)	830.9	12.7	B1/1000		
BH (60°-80°)	108.3	1.6	B0/110		G0/110
BVH (80°-90°)	0.4	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: P632721

CATALOG NUMBER: GWS-SA2D-730-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1
2.5°	1110.5	1109.8	1109.0	1113.6	1112.1	1111.3	1112.8	1112.8	1112.8	1108.3	1099.1
5°	1137.2	1137.2	1136.5	1141.0	1137.2	1134.9	1135.7	1135.7	1132.6	1124.3	1112.8
7.5°	1179.1	1177.6	1176.1	1180.7	1176.9	1176.1	1177.6	1173.0	1167.7	1154.0	1138.0
10°	1239.4	1239.4	1237.1	1241.6	1238.6	1237.1	1237.1	1234.0	1224.1	1202.8	1179.1
12.5°	1322.4	1318.6	1313.3	1309.5	1308.0	1307.2	1308.0	1303.4	1292.7	1265.3	1232.5
15°	1413.1	1410.1	1401.7	1395.6	1387.2	1385.7	1390.3	1386.5	1375.8	1338.4	1291.9
17.5°	1527.5	1531.3	1509.9	1497.0	1472.6	1471.1	1472.6	1478.7	1471.1	1423.0	1355.2
20°	1625.0	1628.1	1612.1	1602.9	1580.8	1570.9	1574.0	1583.9	1575.5	1519.1	1424.6
22.5°	1729.5	1733.3	1716.5	1697.4	1687.5	1687.5	1699.0	1712.7	1701.3	1627.3	1503.8
25°	1854.5	1857.5	1843.8	1818.6	1801.1	1823.2	1840.0	1876.6	1857.5	1756.9	1597.6
27.5°	1997.7	1998.5	1978.7	1952.8	1943.6	1984.8	2001.6	2058.0	2050.3	1902.5	1696.7
30°	2151.0	2151.7	2147.1	2129.6	2121.2	2175.3	2198.2	2279.8	2274.4	2083.1	1831.6
32.5°	2310.3	2310.3	2318.6	2317.1	2327.0	2415.4	2452.0	2545.0	2539.7	2304.2	1999.3
35°	2470.3	2471.1	2485.6	2522.1	2563.3	2680.7	2728.7	2841.5	2829.3	2568.6	2213.5
37.5°	2652.5	2644.9	2664.7	2719.6	2811.0	2946.7	2992.4	3099.9	3086.2	2839.2	2493.2
40°	2872.0	2858.3	2858.3	2922.3	3026.0	3182.2	3221.1	3274.4	3228.0	3058.0	2767.6
42.5°	3114.4	3101.4	3084.7	3141.1	3228.0	3349.9	3381.9	3367.4	3329.3	3264.5	3080.1
45°	3359.8	3340.0	3351.4	3385.7	3436.0	3494.0	3506.2	3439.1	3421.6	3439.8	3338.5
47.5°	3546.6	3532.8	3561.0	3609.1	3650.2	3658.6	3650.2	3557.2	3555.7	3620.5	3517.6
50°	3609.1	3610.6	3688.3	3793.5	3859.8	3866.7	3855.3	3748.5	3734.1	3753.1	3614.4
52.5°	3615.2	3621.3	3734.8	3935.3	4115.9	4198.2	4189.1	4074.0	3932.2	3911.7	3760.7
55°	3468.1	3503.9	3662.4	3955.1	4339.3	4602.2	4632.7	4412.4	4202.1	4184.5	4075.5
57.5°	2772.2	2845.3	3036.6	3453.6	4090.0	4644.1	4723.4	4564.9	4361.4	4286.7	3990.9
60°	1657.0	1747.7	1931.4	2442.9	3112.9	3817.1	3953.6	3975.7	3881.9	3666.2	3061.8
62.5°	711.1	703.5	929.9	1321.7	1851.4	2426.1	2487.8	2583.9	2665.4	2439.8	1858.3
65°	243.9	265.2	368.9	596.0	926.8	1126.5	1181.4	1267.6	1383.4	1141.8	680.7
67.5°	150.9	160.1	212.7	352.1	500.0	492.4	468.0	454.3	442.1	302.6	186.7
70°	109.8	117.4	149.4	242.4	336.1	236.3	205.0	166.2	184.5	170.0	132.6
72.5°	73.9	80.0	102.9	147.1	172.3	115.1	106.7	121.2	146.3	139.5	108.2
75°	44.2	48.0	58.7	71.6	70.1	59.5	60.2	85.4	112.0	104.4	77.0
77.5°	30.5	32.0	38.9	46.5	34.3	18.3	16.8	23.6	38.1	38.1	25.9
80°	7.6	9.9	9.9	6.1	5.3	4.6	4.6	6.9	10.7	7.6	3.8
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5
85°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
87.5°	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
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: P632721  
 CATALOG NUMBER: GWS-SA2D-730-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1	1099.1
2.5°	1104.4	1095.3	1101.4	1099.9	1104.4	1106.0	1099.1	1097.6	1098.3	1089.2	1086.1
5°	1115.1	1104.4	1107.5	1104.4	1109.8	1114.3	1112.1	1115.1	1118.9	1112.1	1109.0
7.5°	1138.0	1127.3	1126.5	1122.0	1129.6	1132.6	1131.9	1140.3	1147.9	1143.3	1138.7
10°	1177.6	1163.1	1161.6	1157.8	1160.1	1162.4	1154.0	1155.5	1162.4	1157.0	1154.7
12.5°	1226.4	1208.9	1205.1	1195.9	1195.9	1184.5	1166.2	1162.4	1167.7	1163.9	1160.1
15°	1279.0	1255.4	1249.3	1233.3	1218.0	1196.7	1177.6	1173.0	1176.9	1172.3	1169.2
17.5°	1337.7	1311.0	1291.2	1263.0	1229.4	1204.3	1182.9	1173.0	1166.9	1157.8	1157.0
20°	1395.6	1360.5	1327.0	1282.0	1237.8	1199.7	1164.7	1138.7	1116.6	1102.9	1097.6
22.5°	1462.7	1410.8	1356.7	1293.5	1230.2	1172.3	1110.5	1066.3	1028.2	1015.3	1009.2
25°	1534.3	1467.3	1386.5	1304.1	1204.3	1111.3	1027.5	961.9	911.6	894.8	888.0
27.5°	1613.6	1521.4	1416.9	1301.9	1150.9	1024.4	913.1	831.6	782.0	766.8	772.1
30°	1714.2	1591.5	1455.1	1278.2	1070.9	902.5	772.1	703.5	666.2	651.7	652.5
32.5°	1848.4	1692.1	1510.7	1227.9	968.0	763.7	649.4	599.1	573.9	554.9	553.4
35°	2040.4	1845.3	1562.5	1147.1	843.0	640.3	557.2	517.5	482.5	460.4	464.2
37.5°	2270.6	2038.1	1590.7	1038.1	702.8	544.2	487.8	447.4	407.8	375.0	378.8
40°	2543.5	2290.4	1588.4	894.8	574.7	478.7	429.9	382.6	333.1	303.4	306.4
42.5°	2847.6	2529.0	1538.9	743.2	476.4	425.3	374.2	314.8	266.8	248.5	249.2
45°	3111.3	2722.6	1452.0	586.1	400.9	373.5	316.3	255.3	234.0	221.0	220.3
47.5°	3306.5	2864.4	1327.8	461.1	339.9	326.2	259.9	228.7	211.9	201.2	199.7
50°	3415.5	2913.9	1190.6	361.3	287.4	276.7	232.5	207.3	195.9	189.0	187.5
52.5°	3561.8	2973.4	1092.2	285.1	240.9	226.4	214.2	192.8	185.2	179.9	177.6
55°	3793.5	3088.5	1006.9	226.4	200.5	197.4	202.0	184.5	179.9	171.5	168.4
57.5°	3575.5	2774.4	782.0	175.3	169.2	180.6	195.1	176.1	164.6	157.0	154.0
60°	2516.1	1844.5	393.3	141.0	150.9	169.2	183.7	159.3	147.9	149.4	147.9
62.5°	1387.2	923.0	176.8	118.1	131.1	149.4	157.0	138.0	130.3	143.3	145.6
65°	453.5	314.0	102.1	91.5	103.7	122.0	135.7	131.1	129.6	144.8	149.4
67.5°	139.5	103.7	69.4	65.5	71.6	89.9	114.3	141.8	152.4	157.0	159.3
70°	104.4	81.6	59.5	55.6	58.7	68.6	96.8	118.1	111.3	112.0	110.5
72.5°	83.8	64.8	51.1	48.8	48.8	47.3	51.1	64.0	72.4	76.2	76.2
75°	58.7	45.7	38.9	35.8	28.2	22.9	20.6	20.6	18.3	17.5	16.8
77.5°	19.8	16.8	15.2	12.2	8.4	6.9	6.1	5.3	3.8	2.3	1.5
80°	3.0	2.3	1.5	1.5	1.5	0.8	0.8	0.8	0.0	0.0	0.0
82.5°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
85°	1.5	1.5	1.5	1.5	1.5	0.8	0.8	0.0	0.0	0.0	0.0
87.5°	1.5	1.5	1.5	1.5	0.8	0.8	0.8	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)