

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: P635026

Luminaire Tested: GWS-SA3C-830-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635026  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3C-830-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (48) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

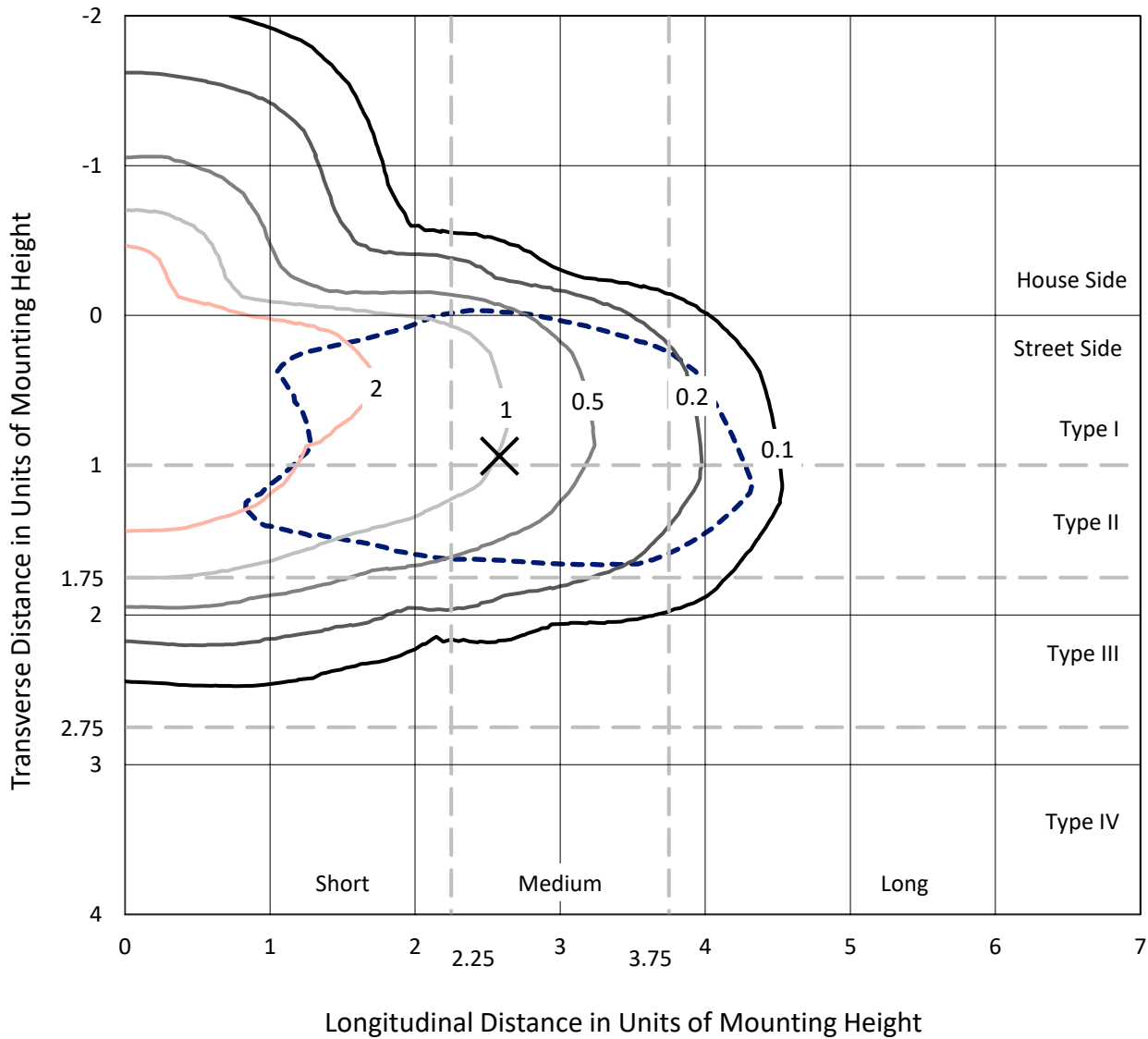
Lumens per Lamp: N/A  
Luminaire Lumens: 10994.3 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B2 - U0 - G2  
  
Input Watts (W): 93  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

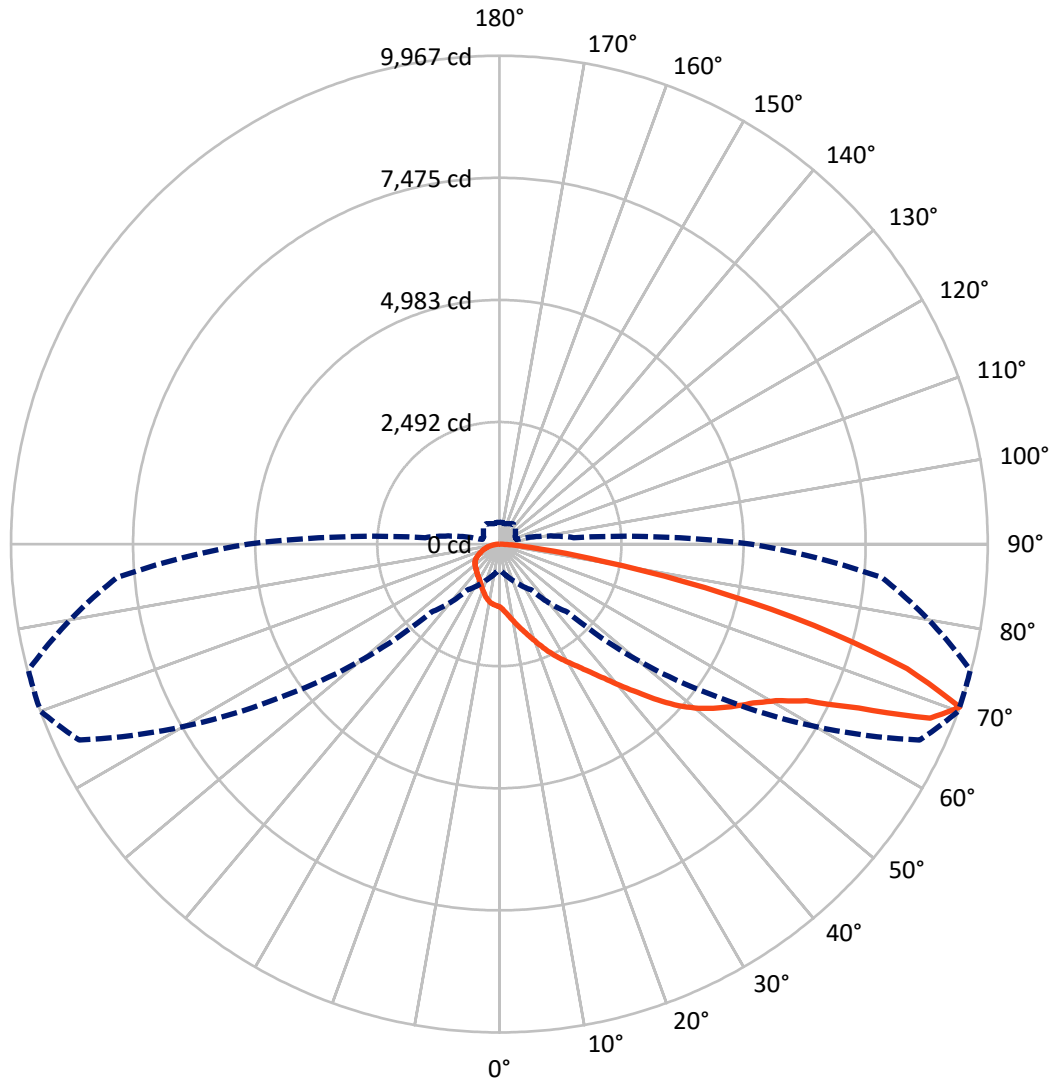
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.6 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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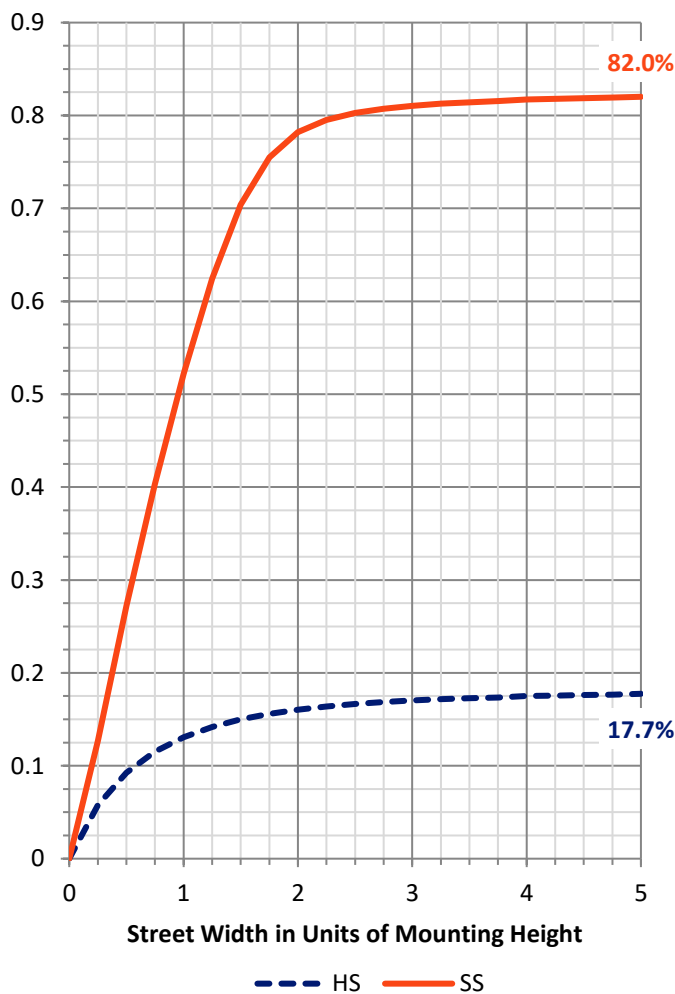
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1970.2	0.0	1970.2
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	9024.1	0.0	9024.1
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	10994.3	0.0	10994.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.3	1.2
10°-20°	423.9	3.9
20°-30°	751.0	6.8
30°-40°	1130.3	10.3
40°-50°	1709.9	15.6
50°-60°	2449.6	22.3
60°-70°	2707.8	24.6
70°-80°	1528.1	13.9
80°-90°	163.4	1.5
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°	10994.3	100.0
0°-180°	10994.3	100.0

**Coefficient of Utilization**



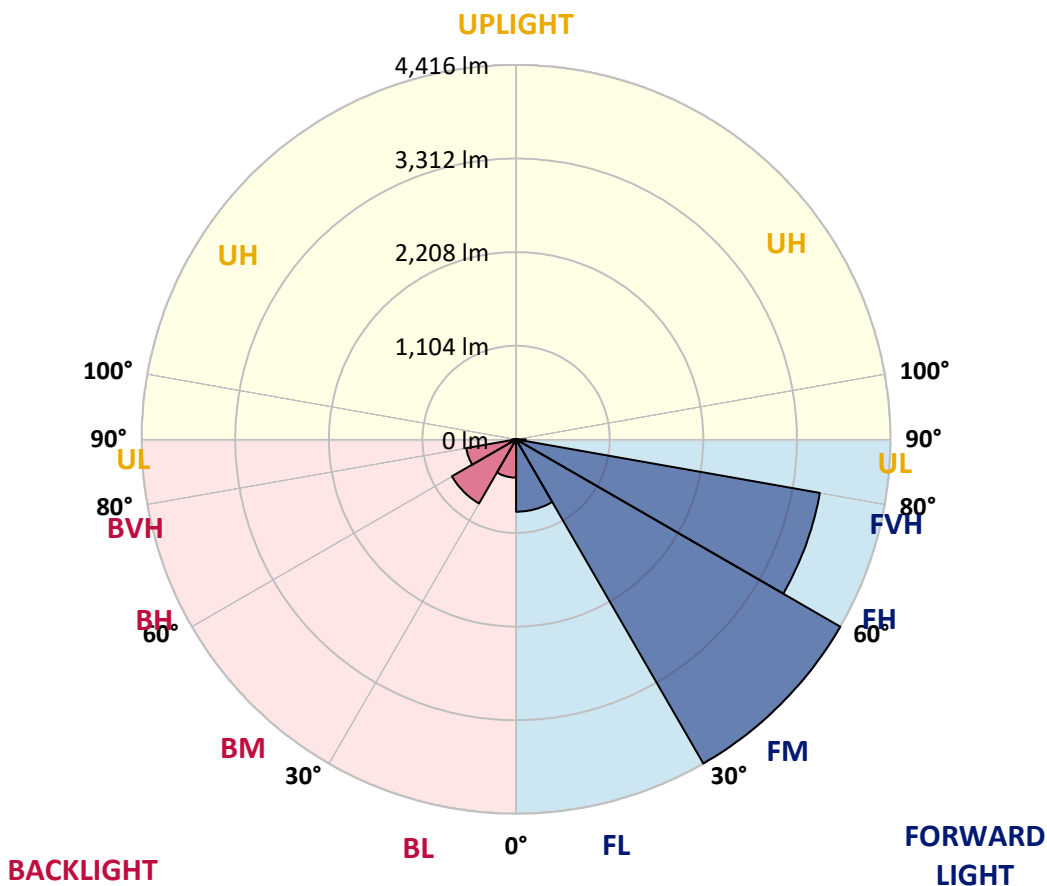
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CATALOG NUMBER: GWS-SA3C-830-U-T2-W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.5	7.8			
FM (30°-60°)	4416.4	40.2			
FH (60°-80°)	3638.7	33.1			G2/5000
FVH (80°-90°)	115.5	1.1			G2/225
BL (0°-30°)	451.7	4.1	B1/500		
BM (30°-60°)	873.4	7.9	B1/1000		
BH (60°-80°)	597.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	47.9	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**  
 Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2
2.5°	1420.4	1418.0	1419.6	1418.0	1409.3	1387.8	1370.3	1348.1	1333.0	1324.3	1303.6
5°	1587.2	1584.8	1579.3	1571.3	1555.4	1526.0	1482.4	1433.9	1404.5	1382.3	1338.6
7.5°	1707.2	1707.2	1706.4	1696.8	1685.7	1654.7	1603.1	1539.5	1496.7	1458.5	1387.0
10°	1768.3	1772.3	1777.9	1791.4	1789.0	1772.3	1723.8	1655.5	1601.5	1557.0	1450.6
12.5°	1801.7	1804.1	1813.6	1841.4	1870.0	1874.0	1845.4	1773.9	1715.1	1655.5	1521.3
15°	1844.6	1845.4	1858.1	1891.5	1933.6	1975.7	1968.5	1897.0	1836.7	1770.7	1599.9
17.5°	1878.0	1883.5	1906.6	1945.5	1997.9	2055.9	2090.9	2046.4	1971.7	1896.2	1685.7
20°	1889.9	1893.9	1924.0	1983.6	2055.1	2136.9	2214.8	2202.9	2127.4	2038.4	1782.6
22.5°	1932.8	1932.8	1955.0	2005.1	2089.3	2208.4	2334.7	2365.7	2299.0	2194.9	1886.7
25°	2027.3	2024.1	2034.5	2055.1	2118.7	2265.6	2453.1	2546.1	2471.4	2354.6	1990.8
27.5°	2156.8	2155.2	2154.4	2157.6	2179.0	2315.7	2553.2	2714.5	2639.8	2507.9	2083.7
30°	2297.4	2292.6	2303.0	2293.4	2288.7	2375.3	2638.2	2865.4	2807.4	2659.7	2160.8
32.5°	2488.9	2480.1	2477.7	2446.8	2427.7	2468.2	2706.5	3037.0	2990.9	2823.3	2247.4
35°	2741.5	2733.5	2693.0	2643.8	2587.4	2606.4	2791.5	3204.6	3207.8	3028.3	2361.0
37.5°	2996.5	2998.1	2966.3	2850.3	2792.3	2781.2	2921.0	3408.8	3477.1	3272.9	2507.9
40°	3208.6	3218.1	3218.1	3095.8	3009.2	2998.9	3102.9	3651.1	3786.9	3573.2	2693.8
42.5°	3369.8	3378.6	3406.4	3318.2	3226.9	3262.6	3323.8	3894.2	4138.0	3944.2	2929.0
45°	3547.0	3554.1	3569.2	3518.4	3465.2	3560.5	3574.0	4184.9	4540.0	4360.5	3202.2
47.5°	3782.1	3775.8	3777.4	3740.0	3698.7	3852.8	3849.7	4429.6	4928.5	4816.5	3498.5
50°	4074.5	4086.4	4075.3	4001.4	3952.9	4093.5	4111.8	4700.5	5270.1	5267.7	3797.2
52.5°	4355.7	4360.5	4419.3	4422.4	4323.1	4293.7	4341.4	4973.7	5558.4	5680.8	4084.0
55°	4370.0	4388.3	4564.6	4691.7	4852.2	4616.3	4573.4	5234.3	5837.3	6085.1	4381.9
57.5°	4065.7	4095.1	4394.6	4668.7	5115.1	5170.0	4970.6	5571.1	6116.1	6483.1	4726.7
60°	3415.9	3477.1	3883.8	4303.3	4996.8	5568.0	5783.2	6028.7	6482.3	6889.8	5145.3
62.5°	2181.4	2205.3	2775.6	3477.9	4463.7	5529.0	6668.2	6835.0	7040.0	7419.7	5790.4
65°	1092.3	1168.6	1503.0	2075.8	3218.9	4872.1	7115.4	8311.8	8060.8	8326.9	6835.8
67.5°	741.2	765.8	935.0	1247.2	1887.5	3451.7	6838.2	9555.8	9482.0	9525.7	7950.4
70°	546.5	562.4	695.9	883.4	1141.6	1959.8	5444.0	9462.1	9966.6	9950.7	7833.6
72.5°	398.8	406.7	507.6	674.4	846.0	1013.7	3324.6	7643.7	8700.3	9158.6	6850.9
75°	290.0	299.5	352.7	504.4	657.8	632.3	1641.2	5521.1	6634.8	7516.6	5581.5
77.5°	216.1	228.0	252.6	316.2	460.8	452.8	709.4	3585.1	4291.4	4909.4	3390.5
80°	155.7	158.1	172.4	202.6	292.3	265.3	337.6	1869.2	2143.3	2348.2	1329.0
82.5°	94.5	96.9	115.2	124.7	181.1	166.8	175.6	605.3	867.5	920.7	496.5
85°	27.8	29.4	52.4	57.2	75.5	71.5	70.7	246.3	293.9	375.8	195.4
87.5°	0.0	0.0	0.0	0.0	0.8	4.8	8.7	43.7	65.9	91.4	47.7
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°	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2	1282.2
2.5°	1295.7	1277.4	1267.9	1251.2	1239.3	1227.3	1215.4	1204.3	1199.5	1192.4	1194.0
5°	1318.7	1290.1	1261.5	1228.9	1201.1	1178.1	1157.4	1139.2	1131.2	1124.1	1127.3
7.5°	1353.7	1310.8	1255.9	1196.4	1152.7	1120.9	1099.5	1086.7	1082.8	1077.2	1077.2
10°	1398.1	1333.8	1237.7	1152.7	1100.2	1074.8	1065.3	1064.5	1068.5	1069.3	1067.7
12.5°	1447.4	1356.0	1210.7	1101.0	1056.6	1048.6	1055.8	1069.3	1082.8	1089.9	1088.3
15°	1498.2	1370.3	1164.6	1051.8	1024.8	1035.1	1058.1	1085.2	1111.4	1124.9	1124.1
17.5°	1545.9	1373.5	1105.0	1004.1	997.0	1023.2	1062.9	1105.0	1140.8	1159.8	1160.6
20°	1599.1	1368.0	1043.8	961.2	969.2	1012.1	1064.5	1115.3	1157.4	1176.5	1181.3
22.5°	1647.6	1348.9	984.3	920.7	945.3	998.6	1051.8	1099.5	1136.8	1155.1	1161.4
25°	1691.3	1312.4	919.1	886.6	927.1	979.5	1020.0	1053.4	1079.6	1090.7	1099.5
27.5°	1715.1	1257.5	869.9	859.5	909.6	952.5	974.7	985.1	993.8	990.6	997.0
30°	1719.9	1189.2	827.0	838.1	883.4	915.1	919.9	909.6	894.5	869.9	875.4
32.5°	1715.1	1110.6	791.2	815.1	854.0	873.0	866.7	839.7	803.1	765.0	767.4
35°	1716.7	1031.1	761.8	789.6	819.8	830.1	814.3	776.9	738.0	703.0	701.5
37.5°	1734.2	964.4	737.2	765.0	786.5	788.0	770.6	731.6	711.8	685.6	682.4
40°	1782.6	915.1	715.0	740.4	753.9	753.1	733.2	705.4	718.9	710.2	707.8
42.5°	1862.1	885.0	696.7	714.2	723.7	725.3	709.4	691.9	721.3	710.2	706.2
45°	1990.0	883.4	684.0	688.0	703.0	714.2	703.0	683.2	694.3	640.3	630.0
47.5°	2141.7	910.4	674.4	664.9	691.1	711.0	693.5	661.7	638.7	589.4	582.3
50°	2324.4	965.2	665.7	640.3	673.7	699.1	681.6	637.9	603.0	576.7	572.8
52.5°	2541.3	1037.5	654.6	612.5	647.4	692.7	681.6	635.5	589.4	565.6	561.6
55°	2768.5	1120.9	641.9	579.1	618.0	694.3	687.2	618.8	579.1	566.4	563.2
57.5°	3050.5	1221.0	618.8	540.2	591.8	680.0	664.9	609.3	572.0	561.6	558.5
60°	3416.7	1369.5	575.1	500.5	561.6	654.6	645.1	593.4	552.9	544.2	541.8
62.5°	3996.6	1621.4	521.9	462.3	525.9	601.4	615.7	563.2	529.1	528.3	527.5
65°	4942.0	1924.0	459.2	428.2	488.6	557.7	576.7	532.2	504.4	513.2	512.4
67.5°	5604.5	1950.3	407.5	392.4	444.9	510.0	537.8	500.5	470.3	487.0	486.2
70°	5133.4	1521.3	363.0	355.1	398.0	458.4	495.7	460.8	430.6	446.5	443.3
72.5°	4329.5	1166.2	320.9	316.2	350.3	404.4	441.7	421.0	389.3	389.3	382.1
75°	3479.5	962.0	276.5	274.1	297.1	349.5	391.6	356.7	327.3	325.7	320.9
77.5°	1995.5	630.8	232.0	230.4	237.5	292.3	304.3	297.1	274.9	264.5	261.4
80°	795.2	328.1	182.7	172.4	179.5	214.5	239.9	228.0	208.9	196.2	189.1
82.5°	308.2	164.4	128.7	112.8	123.1	154.9	174.0	170.0	157.3	128.7	120.7
85°	125.5	80.2	77.1	65.1	71.5	83.4	100.1	86.6	71.5	50.8	48.5
87.5°	33.4	29.4	28.6	17.5	13.5	4.0	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)