

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: P632261

Luminaire Tested: GWS-SA2C-735-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P632261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2C-735-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (32) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

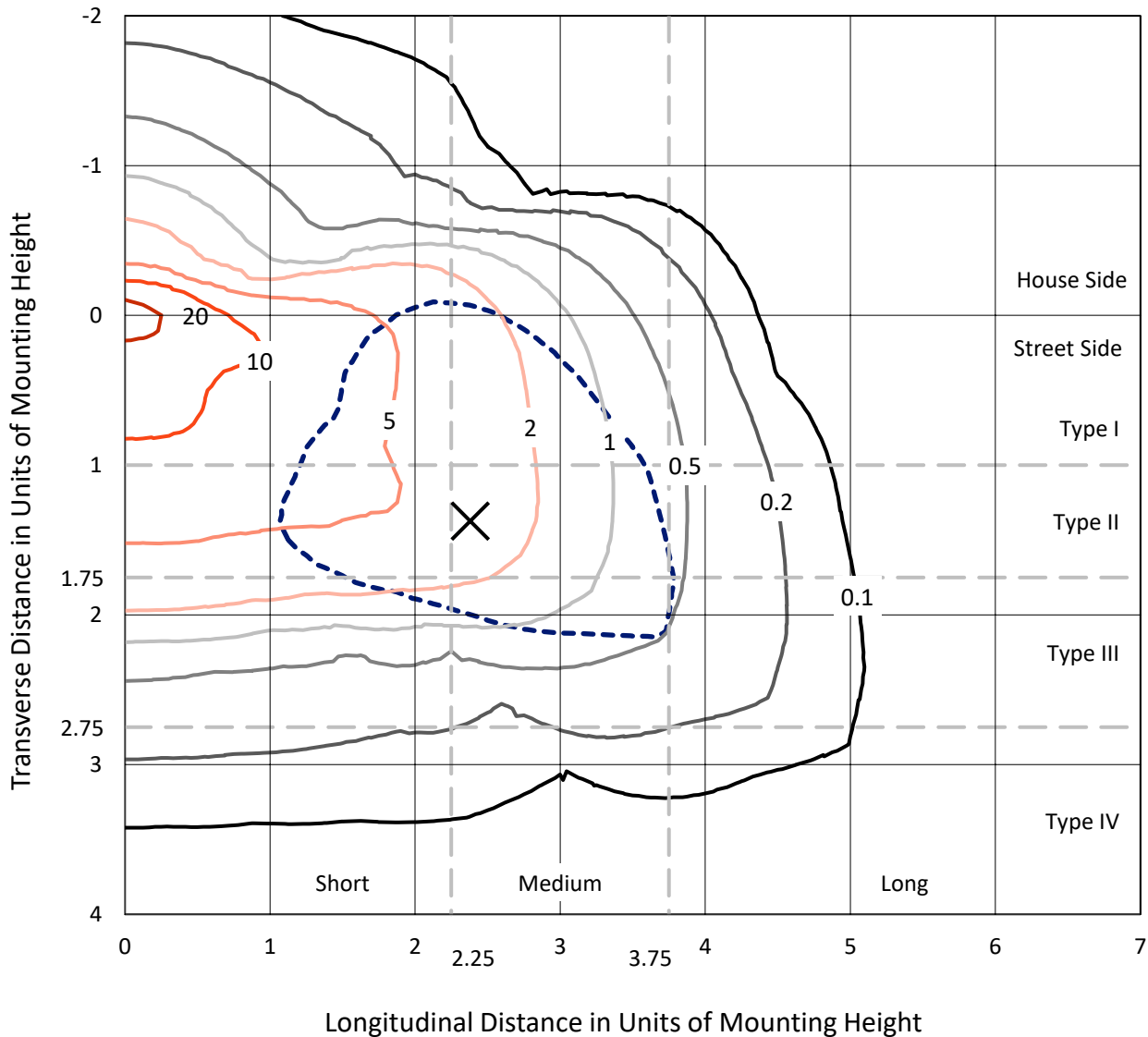
Lumens per Lamp: N/A  
Luminaire Lumens: 8944.2 lumens  
Efficiency: N/A  
Efficacy: 141.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 63.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P632261  
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W

### Iso-Footcandle Lines of Horizontal Illumination

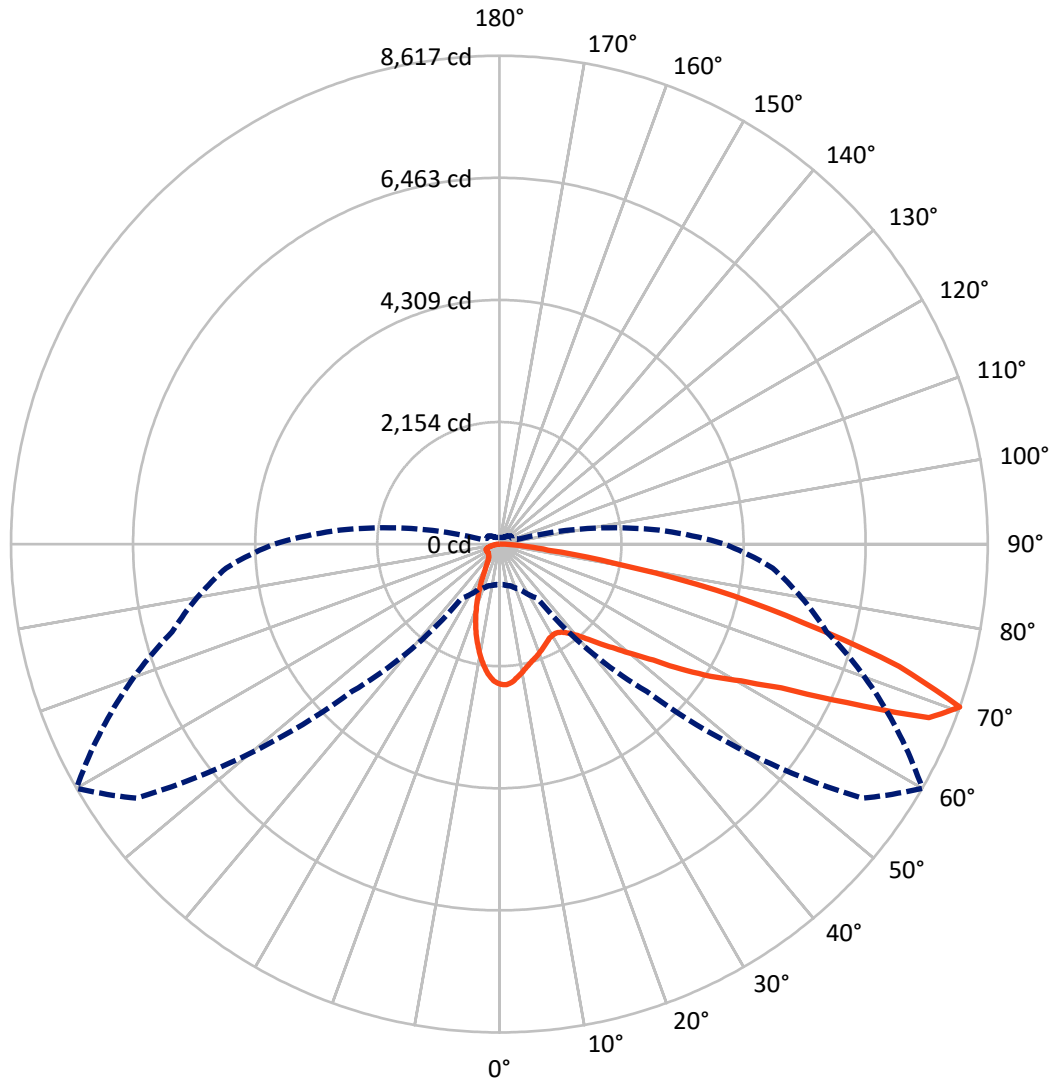
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 24.8 fc  
 Type III - Medium - N/A

REPORT NUMBER: P632261  
CATALOG NUMBER: GWS-SA2C-735-U-SL3-W

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P632261

CATALOG NUMBER: GWS-SA2C-735-U-SL3-W

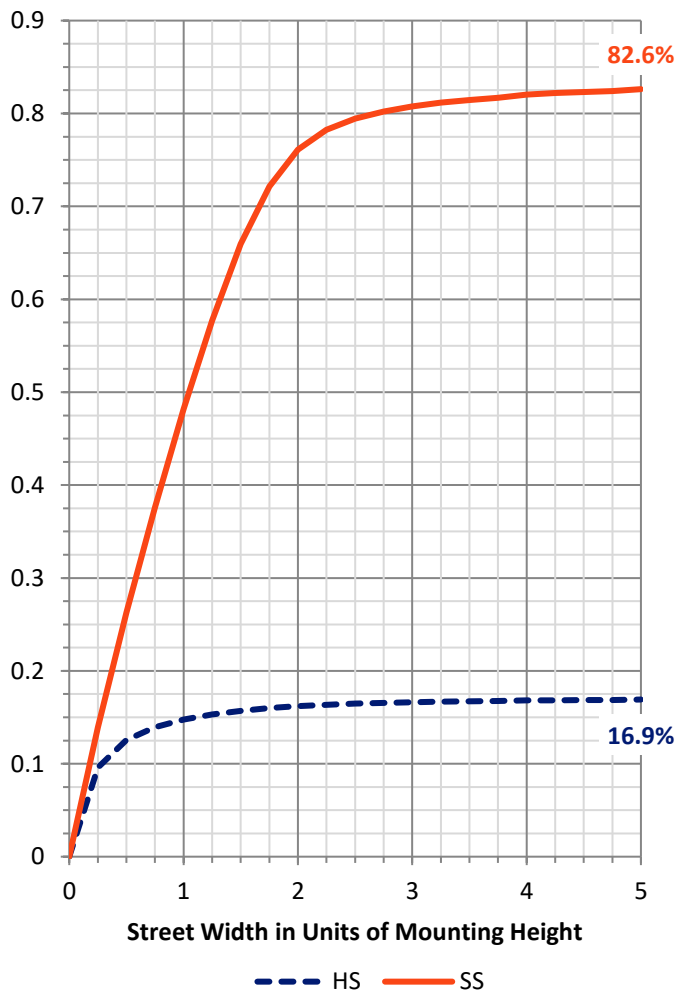
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1529.7	0.0	1529.7
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	7414.5	0.0	7414.5
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	8944.2	0.0	8944.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	213.3	2.4
10°-20°	477.9	5.3
20°-30°	612.1	6.8
30°-40°	804.4	9.0
40°-50°	1167.1	13.0
50°-60°	1820.9	20.4
60°-70°	2383.9	26.7
70°-80°	1318.2	14.7
80°-90°	146.3	1.6
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°	8944.2	100.0
0°-180°	8944.2	100.0

**Coefficient of Utilization**



REPORT NUMBER: P632261

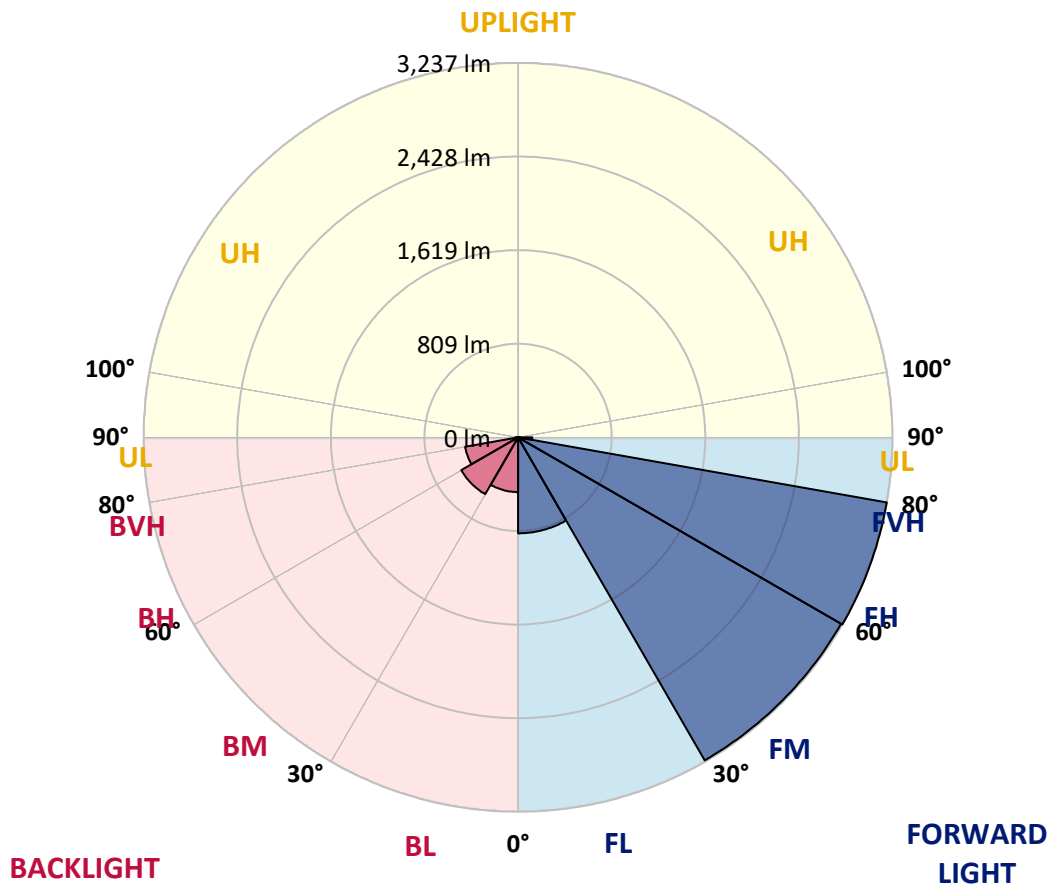
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	830.1	9.3			
FM (30°-60°)	3225.2	36.1			
FH (60°-80°)	3237.3	36.2			G2/5000
FVH (80°-90°)	121.9	1.4			G2/225
BL (0°-30°)	473.3	5.3	B1/500		
BM (30°-60°)	567.2	6.3	B1/1000		
BH (60°-80°)	464.9	5.2	B1/500		G1/500
BVH (80°-90°)	24.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type III Medium





REPORT NUMBER: P632261  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0
2.5°	2440.3	2442.9	2450.1	2460.6	2471.0	2476.3	2489.4	2485.4	2482.8	2477.6	2471.0
5°	2332.3	2337.5	2344.1	2364.4	2387.3	2405.6	2435.1	2438.3	2439.6	2442.3	2431.8
7.5°	2194.9	2196.2	2211.9	2238.7	2268.8	2300.2	2349.3	2363.1	2374.9	2387.9	2379.4
10°	2043.1	2046.3	2058.1	2096.7	2148.4	2194.9	2261.0	2283.9	2308.8	2337.5	2325.8
12.5°	1918.7	1919.4	1938.4	1979.6	2035.9	2098.7	2181.1	2208.6	2241.4	2286.5	2276.0
15°	1819.9	1819.9	1837.6	1872.9	1937.7	2011.7	2109.8	2145.2	2189.7	2250.5	2232.2
17.5°	1741.4	1742.0	1753.2	1790.5	1848.1	1929.9	2046.3	2094.1	2143.2	2223.7	2196.2
20°	1700.2	1696.9	1698.8	1721.8	1770.8	1850.0	1982.9	2038.5	2104.6	2205.4	2163.5
22.5°	1698.2	1692.3	1683.8	1685.8	1714.6	1780.0	1914.8	1982.2	2065.3	2190.3	2130.1
25°	1731.6	1725.0	1710.0	1693.0	1690.3	1729.6	1850.7	1927.2	2024.7	2183.8	2098.0
27.5°	1787.8	1783.3	1763.6	1738.1	1711.3	1710.0	1802.2	1882.1	1995.3	2190.3	2075.1
30°	1862.4	1854.6	1842.2	1809.4	1768.9	1727.0	1783.3	1857.9	1975.7	2211.2	2065.3
32.5°	1946.9	1942.3	1930.5	1897.8	1854.6	1787.8	1798.3	1863.1	1975.7	2247.9	2067.3
35°	2036.5	2035.9	2035.9	2014.3	1966.5	1883.4	1857.9	1907.6	2005.8	2306.8	2088.2
37.5°	2123.6	2122.9	2143.8	2151.7	2097.4	2007.7	1959.3	1996.6	2071.9	2393.8	2139.9
40°	2194.2	2196.9	2242.7	2281.9	2251.8	2168.7	2100.7	2119.6	2179.2	2517.5	2230.2
42.5°	2265.6	2272.8	2341.5	2410.8	2422.6	2350.6	2281.9	2293.1	2333.0	2681.1	2365.0
45°	2343.4	2346.7	2442.9	2539.8	2596.7	2554.2	2497.9	2512.9	2522.1	2883.3	2565.9
47.5°	2418.7	2427.2	2551.5	2684.4	2792.4	2788.4	2757.0	2752.4	2754.4	3129.4	2803.5
50°	2521.4	2533.9	2679.8	2840.1	2998.5	3071.1	3080.3	3045.6	3031.2	3402.9	3099.3
52.5°	2716.5	2716.5	2847.3	3005.0	3217.7	3397.7	3459.2	3402.3	3356.5	3692.2	3413.4
55°	2960.5	2971.0	3075.1	3202.7	3472.3	3741.3	3949.4	3886.5	3757.0	4006.9	3742.6
57.5°	3069.2	3082.3	3247.2	3445.5	3805.4	4131.9	4420.5	4398.3	4209.2	4334.2	4084.2
60°	2872.9	2900.3	3127.4	3459.9	4107.1	4762.1	4965.7	4900.9	4630.6	4677.7	4454.6
62.5°	2396.4	2426.5	2678.5	3142.5	4065.2	5443.4	5824.9	5586.0	5156.7	5111.6	4948.0
65°	1429.9	1428.6	1731.6	2346.7	3548.9	5632.5	7184.8	6739.1	5969.5	5707.1	5455.8
67.5°	909.0	907.0	970.5	1243.4	2361.8	5169.2	8059.1	8174.9	7073.5	6144.9	5497.7
70°	717.2	716.6	762.4	886.7	1168.1	3678.4	7815.6	8617.3	7740.4	5978.0	4840.7
72.5°	522.9	524.2	594.9	742.8	901.1	1846.7	6328.8	7373.2	7119.3	5277.2	3929.7
75°	375.6	377.6	420.1	568.7	831.1	1009.8	4208.5	5544.2	5416.5	4230.1	2703.4
77.5°	238.9	241.5	278.8	398.5	671.4	815.4	2551.5	3914.0	3603.8	2383.4	961.3
80°	145.9	154.4	185.9	297.1	536.6	611.9	1275.4	2062.0	1804.9	653.8	323.3
82.5°	75.3	81.8	111.9	183.9	369.7	537.3	721.8	866.4	558.9	273.5	172.1
85°	23.6	27.5	39.3	74.6	176.0	333.1	477.7	430.6	256.5	128.9	79.8
87.5°	5.9	5.9	6.5	6.5	7.2	15.1	92.3	97.5	68.1	40.6	32.7
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: P632261  
 CATALOG NUMBER: GWS-SA2C-735-U-SL3-W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0	2475.0
2.5°	2458.0	2442.3	2435.7	2435.1	2418.7	2395.1	2379.4	2368.3	2361.8	2360.5	2360.5
5°	2414.1	2393.8	2367.0	2346.7	2302.9	2258.4	2221.1	2200.1	2175.9	2172.6	2172.0
7.5°	2355.9	2326.4	2275.4	2218.4	2141.9	2067.9	2005.1	1962.6	1920.0	1912.2	1909.6
10°	2293.1	2253.1	2166.1	2066.0	1951.4	1840.9	1744.7	1669.4	1619.7	1584.3	1577.8
12.5°	2230.9	2177.9	2050.3	1901.1	1744.0	1592.8	1448.2	1325.2	1236.2	1184.5	1175.3
15°	2172.6	2098.7	1924.0	1733.5	1529.4	1322.6	1117.7	958.1	833.1	788.6	778.1
17.5°	2119.6	2027.4	1801.6	1560.1	1305.5	1035.3	802.3	660.3	587.0	564.8	559.5
20°	2066.6	1954.1	1677.3	1377.5	1068.0	765.0	586.4	519.6	492.1	483.6	481.0
22.5°	2009.7	1873.6	1541.8	1197.6	827.8	572.6	479.7	450.2	441.7	442.4	441.7
25°	1952.8	1791.8	1399.8	1001.9	616.5	464.6	418.8	407.7	409.7	415.5	416.9
27.5°	1905.6	1719.1	1260.4	787.3	481.6	399.8	378.2	377.6	384.8	392.6	394.0
30°	1871.6	1654.3	1123.0	605.3	396.6	355.3	346.8	350.8	359.3	365.2	367.1
32.5°	1847.4	1598.7	976.4	475.8	347.5	323.9	320.0	323.9	329.2	335.1	336.4
35°	1838.9	1558.1	832.4	388.1	314.1	301.0	298.4	300.4	303.0	306.3	307.6
37.5°	1857.9	1537.9	681.9	337.7	293.8	286.0	282.1	280.7	281.4	282.7	283.4
40°	1914.1	1547.0	558.9	308.2	280.7	273.5	267.0	264.4	263.7	265.0	264.4
42.5°	2011.0	1585.6	469.9	291.2	270.3	259.8	252.6	250.0	250.0	253.3	253.3
45°	2153.0	1661.5	405.7	278.8	261.1	248.0	240.2	238.9	241.5	246.7	247.4
47.5°	2361.1	1772.8	367.1	269.6	252.6	237.6	229.7	229.0	234.3	242.8	243.4
50°	2607.8	1933.1	346.2	263.1	246.7	229.0	221.2	221.8	227.7	236.9	238.9
52.5°	2904.9	2151.7	347.5	260.5	243.4	223.8	216.0	214.6	220.5	229.7	231.7
55°	3211.8	2417.4	373.0	261.1	238.9	221.2	210.7	206.1	211.4	217.9	218.6
57.5°	3549.5	2717.1	436.5	259.8	233.0	218.6	206.1	195.7	198.9	202.9	204.8
60°	3930.4	3069.8	573.3	262.4	230.4	212.7	197.0	183.2	182.6	185.2	185.9
62.5°	4439.5	3549.5	727.0	267.0	236.2	205.5	183.2	168.8	166.2	167.5	168.2
65°	4828.9	3778.6	678.6	263.1	248.7	200.2	170.1	155.1	149.9	148.6	148.6
67.5°	4670.5	3475.6	472.5	252.6	254.6	200.9	159.7	140.7	134.2	130.9	130.2
70°	3974.2	2823.1	328.5	242.1	248.0	199.6	148.6	128.9	120.4	115.8	115.2
72.5°	3139.9	2155.6	265.7	221.2	225.1	180.0	132.2	115.8	108.6	102.7	102.7
75°	2020.8	1315.4	221.8	197.0	183.9	140.0	114.5	103.4	96.2	90.3	90.3
77.5°	679.9	488.2	172.1	166.9	137.4	105.4	96.2	89.0	83.1	77.9	77.2
80°	276.2	231.7	126.3	126.3	96.2	80.5	75.3	72.0	68.1	61.5	61.5
82.5°	160.3	140.7	88.3	76.6	64.1	55.6	52.4	49.1	49.1	44.5	44.5
85°	77.2	77.9	53.0	47.1	36.6	32.1	30.8	28.8	28.1	25.5	24.9
87.5°	41.9	42.5	26.8	20.9	14.4	12.4	10.5	9.8	9.2	8.5	8.5
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)