

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: P641521

Luminaire Tested: GWS-SA6B-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641521  
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-SA6B-722-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

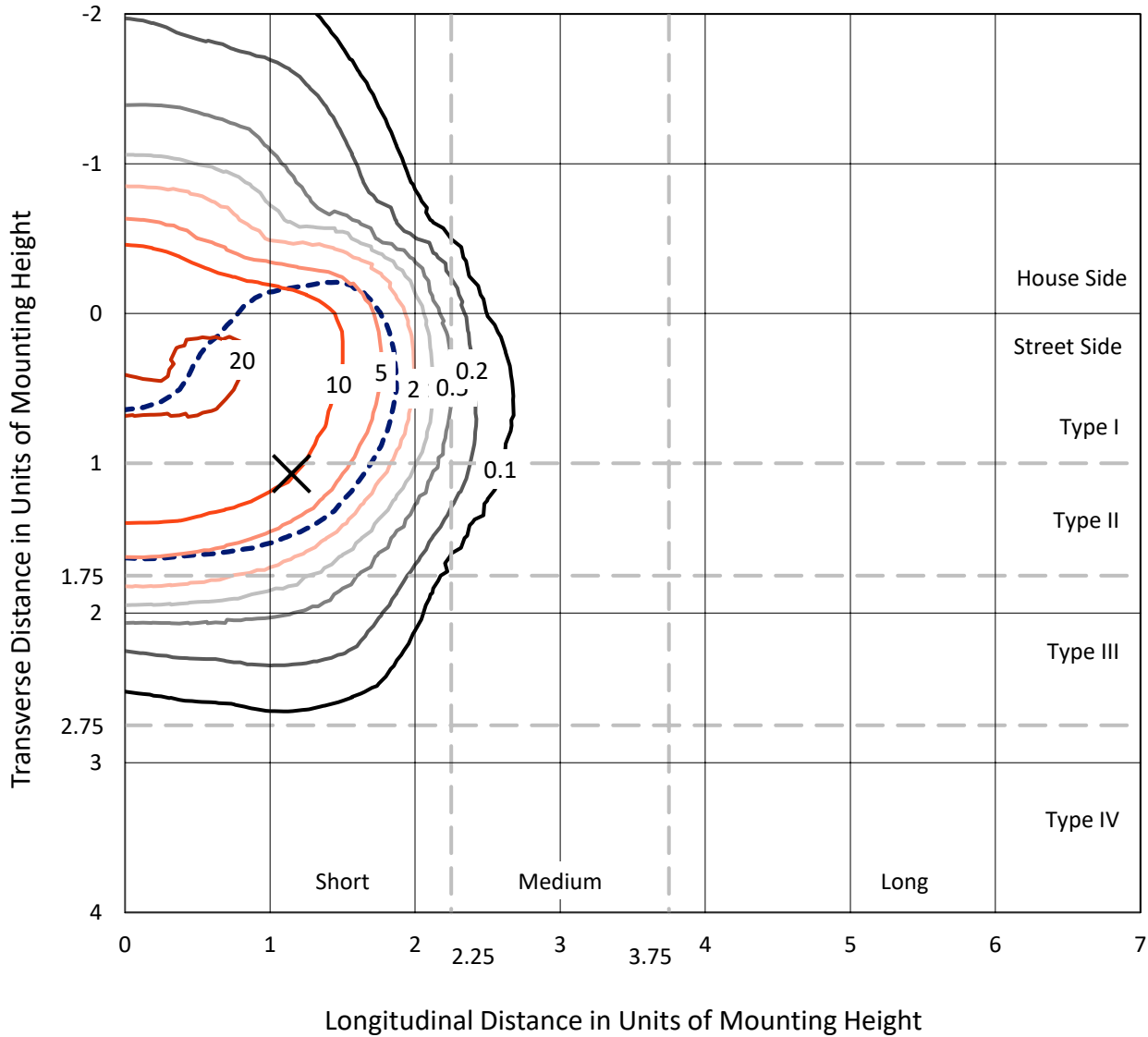
Lumens per Lamp: N/A  
Luminaire Lumens: 9630.5 lumens  
Efficiency: N/A  
Efficacy: 69.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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: P641521  
 CATALOG NUMBER: GWS-SA6B-722-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

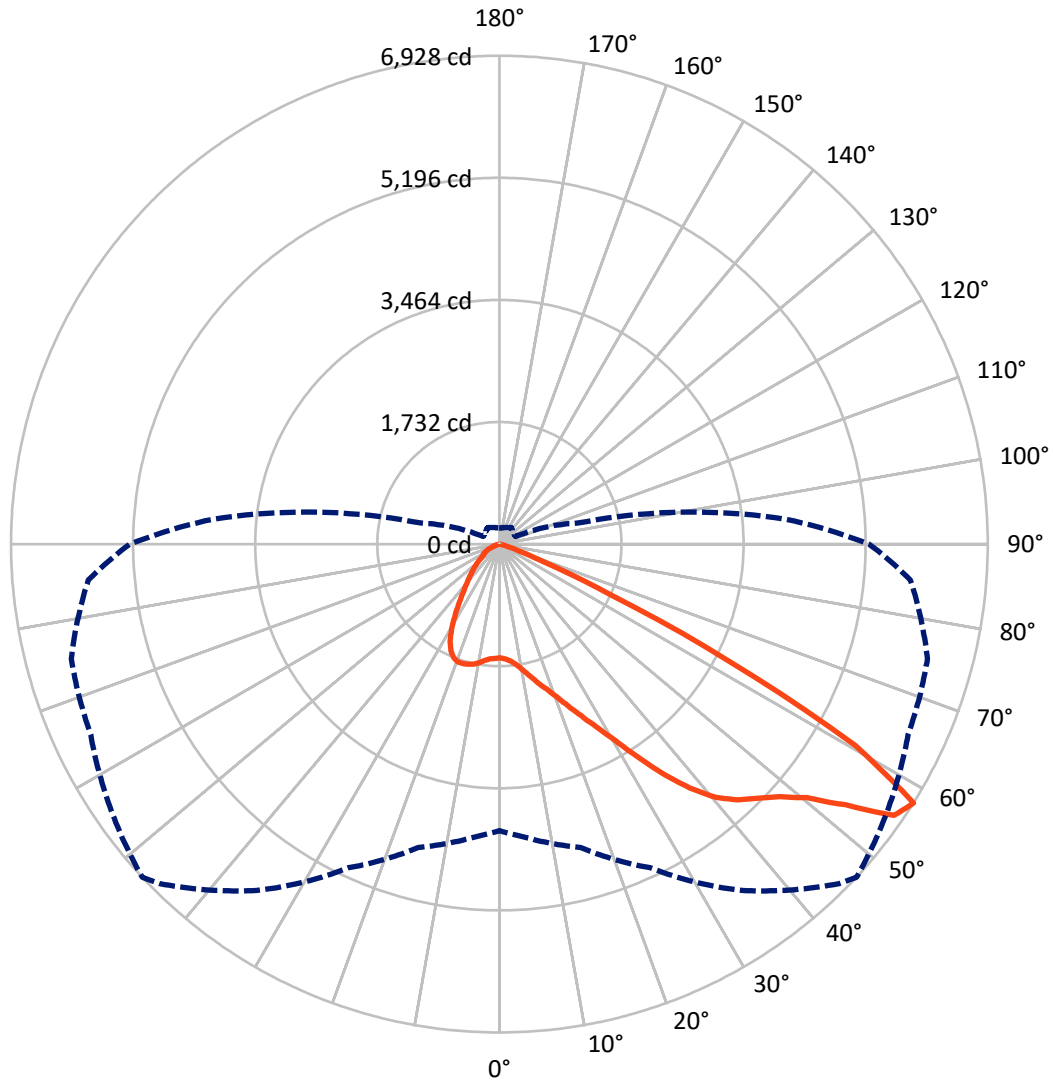
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.8 fc  
 Type II - Short - N/A

REPORT NUMBER: P641521  
CATALOG NUMBER: GWS-SA6B-722-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P641521  
 CATALOG NUMBER: GWS-SA6B-722-U-T3-W-GRSBK

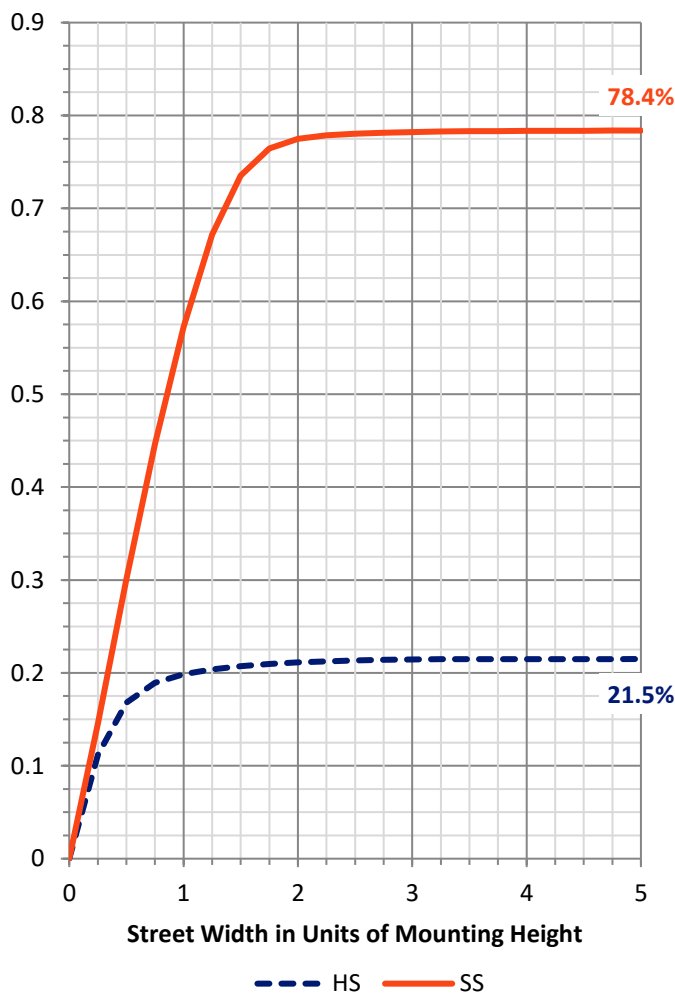
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2089.3	0.0	2089.3
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	7541.2	0.0	7541.2
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	9630.5	0.0	9630.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	160.4	1.7
10°-20°	541.2	5.6
20°-30°	1004.9	10.4
30°-40°	1608.6	16.7
40°-50°	2351.4	24.4
50°-60°	2902.1	30.1
60°-70°	969.7	10.1
70°-80°	90.4	0.9
80°-90°	1.9	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°	9630.5	100.0
0°-180°	9630.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P641521

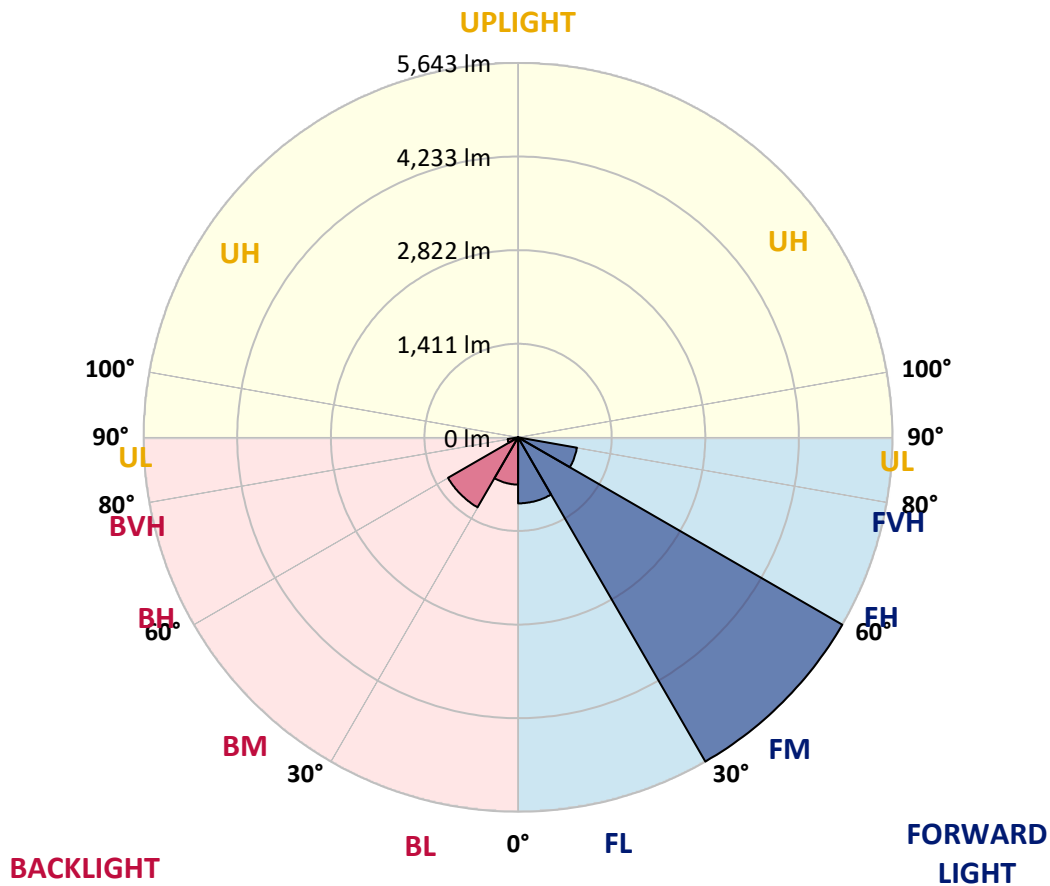
CATALOG NUMBER: GWS-SA6B-722-U-T3-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	995.3	10.3			
FM (30°-60°)	5643.4	58.6			
FH (60°-80°)	901.2	9.4			G1/1800
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	711.2	7.4	B2/1000		
BM (30°-60°)	1218.7	12.7	B2/2500		
BH (60°-80°)	158.8	1.6	B1/500		G1/500
BVH (80°-90°)	0.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P641521

CATALOG NUMBER: GWS-SA6B-722-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2
2.5°	1628.9	1627.8	1626.7	1633.4	1631.2	1630.0	1632.3	1632.3	1632.3	1625.6	1612.2
5°	1668.1	1668.1	1666.9	1673.6	1668.1	1664.7	1665.8	1665.8	1661.3	1649.1	1632.3
7.5°	1729.5	1727.3	1725.1	1731.8	1726.2	1725.1	1727.3	1720.6	1712.8	1692.7	1669.2
10°	1817.9	1817.9	1814.5	1821.2	1816.8	1814.5	1814.5	1810.0	1795.5	1764.2	1729.5
12.5°	1939.7	1934.1	1926.3	1920.7	1918.5	1917.4	1918.5	1911.8	1896.1	1855.9	1807.8
15°	2072.8	2068.3	2056.0	2047.1	2034.8	2032.5	2039.2	2033.6	2018.0	1963.2	1895.0
17.5°	2240.5	2246.1	2214.8	2195.8	2160.0	2157.7	2160.0	2168.9	2157.7	2087.3	1987.8
20°	2383.6	2388.0	2364.6	2351.2	2318.7	2304.2	2308.7	2323.2	2310.9	2228.2	2089.5
22.5°	2536.7	2542.3	2517.7	2489.8	2475.3	2475.3	2492.0	2512.1	2495.4	2386.9	2205.8
25°	2720.1	2724.6	2704.4	2667.5	2641.8	2674.3	2698.9	2752.5	2724.6	2577.0	2343.3
27.5°	2930.3	2931.4	2902.3	2864.3	2850.9	2911.3	2935.9	3018.6	3007.4	2790.5	2488.7
30°	3155.0	3156.1	3149.4	3123.7	3111.4	3190.8	3224.3	3343.9	3336.1	3055.5	2686.6
32.5°	3388.7	3388.7	3401.0	3398.7	3413.3	3542.9	3596.6	3733.0	3725.2	3379.7	2932.5
35°	3623.4	3624.6	3645.8	3699.5	3759.8	3932.0	4002.4	4167.9	4150.0	3767.7	3246.7
37.5°	3890.6	3879.5	3908.5	3989.0	4123.2	4322.2	4389.3	4546.9	4526.8	4164.6	3657.0
40°	4212.6	4192.5	4192.5	4286.4	4438.5	4667.7	4724.7	4802.9	4734.7	4485.4	4059.5
42.5°	4568.1	4549.1	4524.5	4607.3	4734.7	4913.6	4960.6	4939.3	4883.4	4788.4	4517.8
45°	4928.1	4899.1	4915.8	4966.2	5039.9	5124.9	5142.8	5044.4	5018.7	5045.5	4896.8
47.5°	5202.1	5181.9	5223.3	5293.7	5354.1	5366.4	5354.1	5217.7	5215.5	5310.5	5159.6
50°	5293.7	5296.0	5410.0	5564.3	5661.6	5671.6	5654.8	5498.3	5477.1	5505.0	5301.6
52.5°	5302.7	5311.6	5478.2	5772.2	6037.2	6157.9	6144.5	5975.7	5767.8	5737.6	5516.2
55°	5086.9	5139.4	5372.0	5801.3	6364.8	6750.5	6795.2	6472.1	6163.5	6137.8	5977.9
57.5°	4066.2	4173.5	4454.1	5065.7	5999.2	6812.0	6928.2	6695.7	6397.2	6287.6	5853.8
60°	2430.5	2563.6	2833.0	3583.2	4565.9	5598.9	5799.1	5831.5	5694.0	5377.6	4491.0
62.5°	1043.1	1031.9	1364.0	1938.6	2715.6	3558.6	3649.2	3790.0	3909.6	3578.7	2725.7
65°	357.8	389.1	541.1	874.3	1359.5	1652.4	1732.9	1859.2	2029.2	1674.8	998.4
67.5°	221.4	234.8	311.9	516.5	733.4	722.2	686.5	666.3	648.4	443.8	273.9
70°	161.0	172.2	219.1	355.5	493.0	346.6	300.7	243.7	270.6	249.3	194.5
72.5°	108.4	117.4	150.9	215.8	252.7	168.8	156.5	177.8	214.7	204.6	158.8
75°	64.8	70.4	86.1	105.1	102.9	87.2	88.3	125.2	164.3	153.2	112.9
77.5°	44.7	47.0	57.0	68.2	50.3	26.8	24.6	34.7	55.9	55.9	38.0
80°	11.2	14.5	14.5	8.9	7.8	6.7	6.7	10.1	15.7	11.2	5.6
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2	2.2
85°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2	2.2
87.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.2	2.2
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: P641521

CATALOG NUMBER: GWS-SA6B-722-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2	1612.2
2.5°	1620.0	1606.6	1615.5	1613.3	1620.0	1622.2	1612.2	1609.9	1611.0	1597.6	1593.2
5°	1635.6	1620.0	1624.5	1620.0	1627.8	1634.5	1631.2	1635.6	1641.2	1631.2	1626.7
7.5°	1669.2	1653.5	1652.4	1645.7	1656.9	1661.3	1660.2	1672.5	1683.7	1677.0	1670.3
10°	1727.3	1706.1	1703.8	1698.2	1701.6	1705.0	1692.7	1694.9	1705.0	1697.1	1693.8
12.5°	1798.9	1773.1	1767.6	1754.1	1754.1	1737.4	1710.5	1705.0	1712.8	1707.2	1701.6
15°	1876.0	1841.3	1832.4	1808.9	1786.6	1755.3	1727.3	1720.6	1726.2	1719.5	1715.0
17.5°	1962.1	1923.0	1893.9	1852.5	1803.3	1766.4	1735.1	1720.6	1711.7	1698.2	1697.1
20°	2047.1	1995.6	1946.4	1880.5	1815.6	1759.7	1708.3	1670.3	1637.9	1617.7	1609.9
22.5°	2145.4	2069.4	1990.0	1897.2	1804.5	1719.5	1628.9	1564.1	1508.2	1489.2	1480.2
25°	2250.5	2152.2	2033.6	1912.9	1766.4	1630.0	1507.1	1410.9	1337.1	1312.5	1302.5
27.5°	2366.8	2231.5	2078.4	1909.5	1688.2	1502.6	1339.4	1219.7	1147.1	1124.7	1132.5
30°	2514.4	2334.4	2134.3	1874.9	1570.8	1323.7	1132.5	1031.9	977.1	955.9	957.0
32.5°	2711.2	2482.0	2215.9	1801.1	1419.9	1120.2	952.5	878.7	841.9	813.9	811.7
35°	2992.9	2706.7	2291.9	1682.6	1236.5	939.1	817.3	759.1	707.7	675.3	680.9
37.5°	3330.5	2989.5	2333.3	1522.7	1030.8	798.3	715.5	656.3	598.1	550.1	555.6
40°	3730.8	3359.6	2329.9	1312.5	843.0	702.1	630.6	561.2	488.6	445.0	449.4
42.5°	4176.8	3709.5	2257.2	1090.1	698.8	623.8	548.9	461.7	391.3	364.5	365.6
45°	4563.7	3993.5	2129.8	859.7	588.1	547.8	464.0	374.5	343.2	324.2	323.1
47.5°	4849.9	4201.4	1947.6	676.4	498.6	478.5	381.2	335.4	310.8	295.2	292.9
50°	5009.8	4274.1	1746.3	529.9	421.5	405.8	341.0	304.1	287.3	277.3	275.0
52.5°	5224.4	4361.3	1602.1	418.1	353.3	332.0	314.2	282.9	271.7	263.8	260.5
55°	5564.3	4530.1	1476.9	332.0	294.0	289.6	296.3	270.6	263.8	251.6	247.1
57.5°	5244.5	4069.5	1147.1	257.1	248.2	265.0	286.2	258.3	241.5	230.3	225.8
60°	3690.5	2705.6	576.9	206.8	221.4	248.2	269.4	233.7	216.9	219.1	216.9
62.5°	2034.8	1353.9	259.4	173.3	192.3	219.1	230.3	202.4	191.2	210.2	213.5
65°	665.2	460.6	149.8	134.2	152.0	178.9	199.0	192.3	190.1	212.4	219.1
67.5°	204.6	152.0	101.7	96.1	105.1	131.9	167.7	207.9	223.6	230.3	233.7
70°	153.2	119.6	87.2	81.6	86.1	100.6	142.0	173.3	163.2	164.3	162.1
72.5°	123.0	95.0	74.9	71.6	71.6	69.3	74.9	93.9	106.2	111.8	111.8
75°	86.1	67.1	57.0	52.5	41.4	33.5	30.2	30.2	26.8	25.7	24.6
77.5°	29.1	24.6	22.4	17.9	12.3	10.1	8.9	7.8	5.6	3.4	2.2
80°	4.5	3.4	2.2	2.2	2.2	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0
85°	2.2	2.2	2.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	2.2	2.2	2.2	2.2	1.1	1.1	1.1	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)