

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: P636076

Luminaire Tested: GWS-SA3F-722-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636076  
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-SA3F-722-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

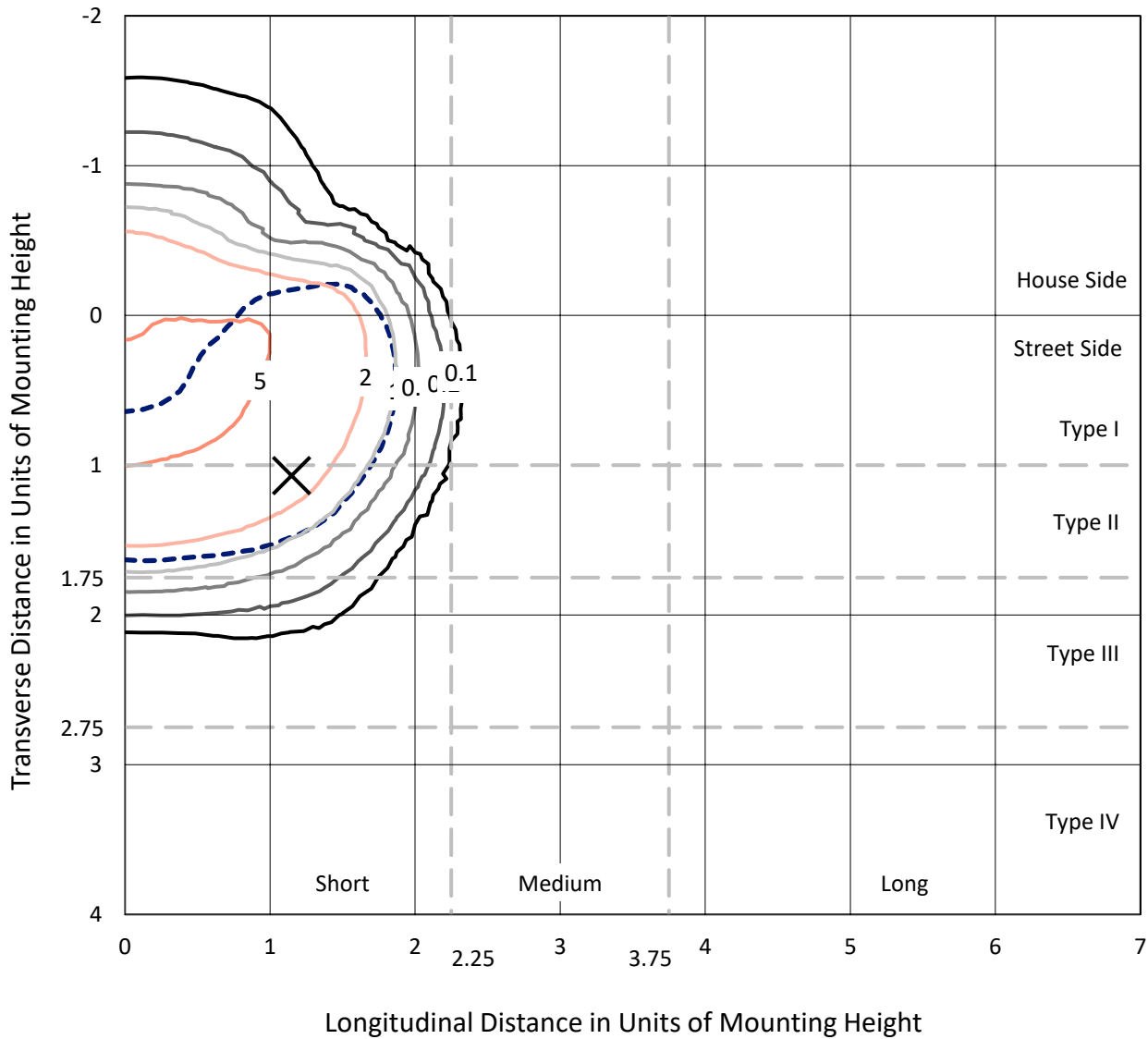
Lumens per Lamp: N/A  
Luminaire Lumens: 11121.5 lumens  
Efficiency: N/A  
Efficacy: 60.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

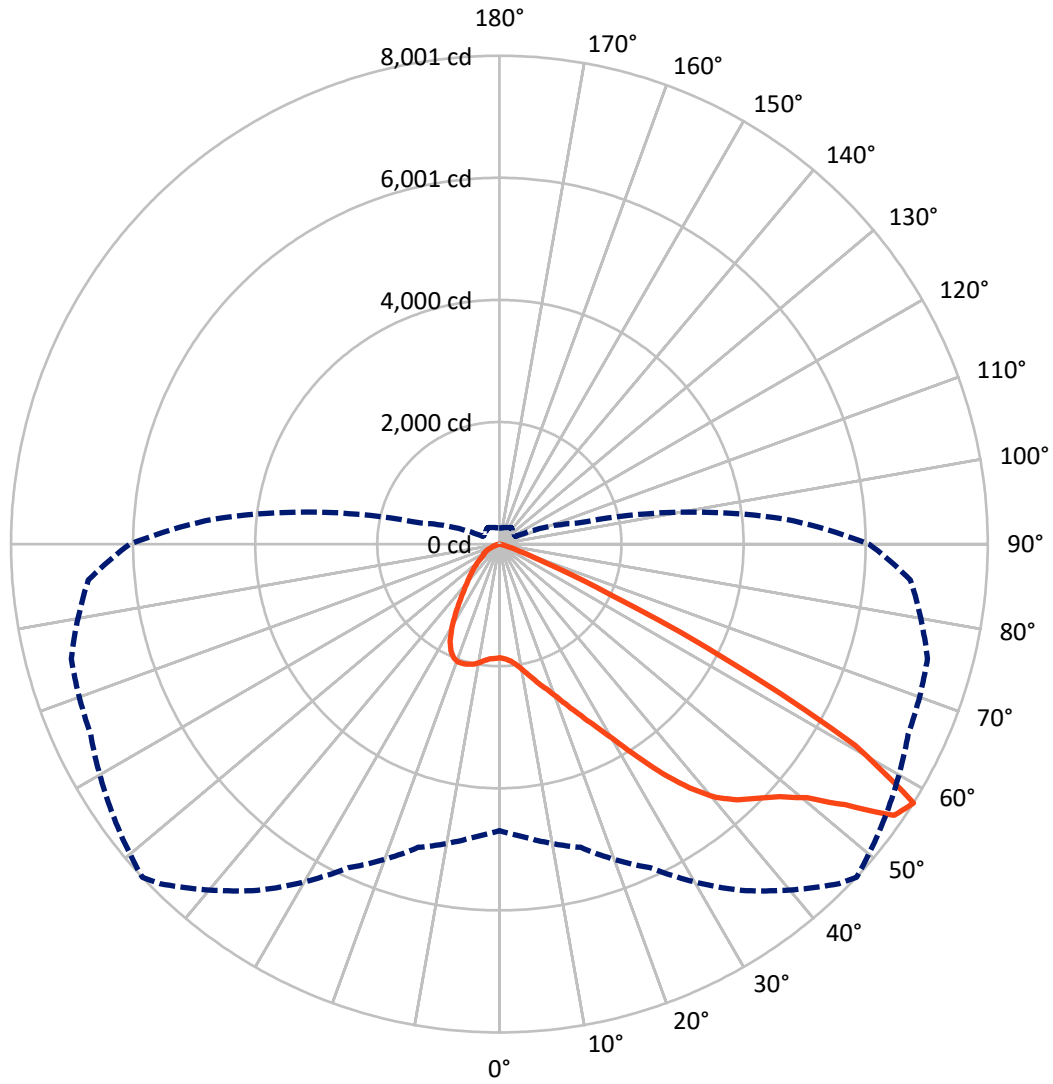
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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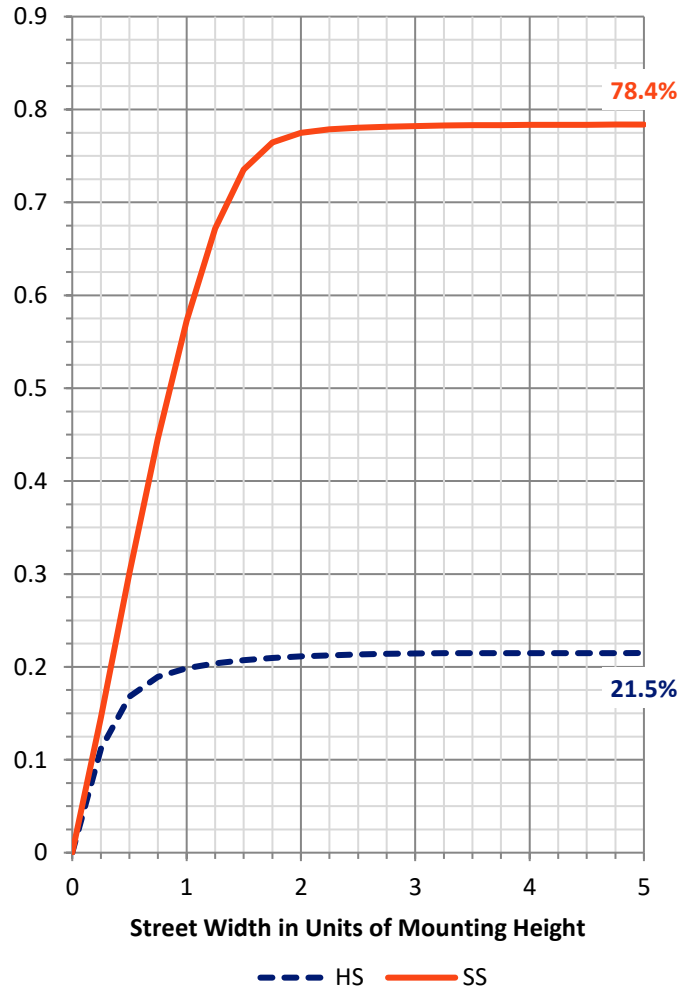
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2412.8	0.0	2412.8
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	8708.7	0.0	8708.7
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	11121.5	0.0	11121.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.2	1.7
10°-20°	625.0	5.6
20°-30°	1160.4	10.4
30°-40°	1857.7	16.7
40°-50°	2715.5	24.4
50°-60°	3351.4	30.1
60°-70°	1119.8	10.1
70°-80°	104.3	0.9
80°-90°	2.2	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°	11121.5	100.0
0°-180°	11121.5	100.0

**Coefficient of Utilization**



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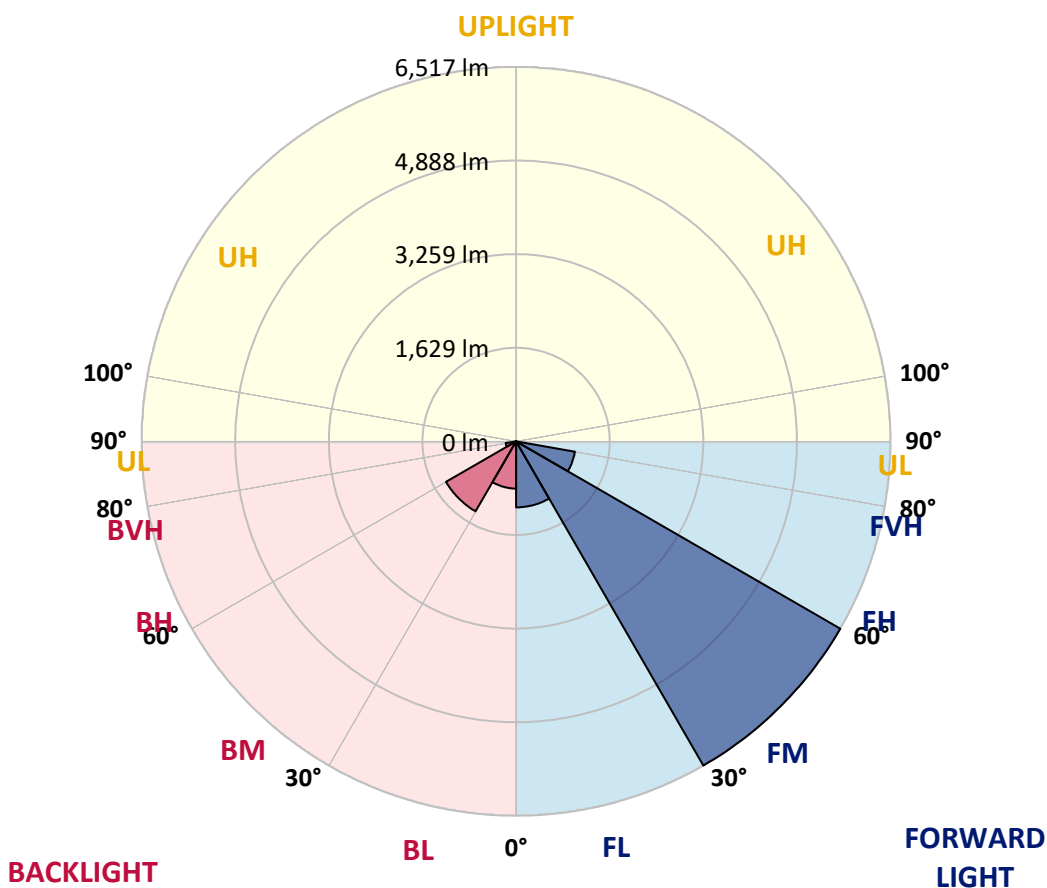
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1149.4	10.3			
FM (30°-60°)	6517.1	58.6			
FH (60°-80°)	1040.7	9.4			G1/1800
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	821.3	7.4	B2/1000		
BM (30°-60°)	1407.4	12.7	B2/2500		
BH (60°-80°)	183.4	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8
2.5°	1881.1	1879.8	1878.5	1886.3	1883.7	1882.4	1885.0	1885.0	1885.0	1877.2	1861.8
5°	1926.3	1926.3	1925.0	1932.8	1926.3	1922.4	1923.7	1923.7	1918.6	1904.4	1885.0
7.5°	1997.3	1994.7	1992.2	1999.9	1993.4	1992.2	1994.7	1987.0	1977.9	1954.7	1927.6
10°	2099.3	2099.3	2095.4	2103.2	2098.0	2095.4	2095.4	2090.3	2073.5	2037.3	1997.3
12.5°	2240.0	2233.6	2224.5	2218.1	2215.5	2214.2	2215.5	2207.8	2189.7	2143.2	2087.7
15°	2393.7	2388.5	2374.3	2364.0	2349.8	2347.2	2354.9	2348.5	2330.4	2267.2	2188.4
17.5°	2587.3	2593.8	2557.6	2535.7	2494.4	2491.8	2494.4	2504.7	2491.8	2410.5	2295.6
20°	2752.6	2757.8	2730.7	2715.2	2677.7	2660.9	2666.1	2682.9	2668.7	2573.1	2413.0
22.5°	2929.5	2935.9	2907.5	2875.3	2858.5	2858.5	2877.8	2901.1	2881.7	2756.5	2547.3
25°	3141.2	3146.4	3123.1	3080.5	3050.8	3088.3	3116.7	3178.7	3146.4	2976.0	2706.1
27.5°	3383.9	3385.2	3351.7	3307.8	3292.3	3362.0	3390.4	3485.9	3473.0	3222.6	2874.0
30°	3643.5	3644.7	3637.0	3607.3	3593.1	3684.8	3723.5	3861.6	3852.6	3528.5	3102.5
32.5°	3913.3	3913.3	3927.5	3924.9	3941.7	4091.5	4153.4	4310.9	4301.9	3903.0	3386.5
35°	4184.4	4185.7	4210.2	4272.2	4341.9	4540.8	4622.1	4813.2	4792.5	4351.0	3749.3
37.5°	4493.0	4480.1	4513.6	4606.6	4761.5	4991.4	5068.8	5250.9	5227.6	4809.3	4223.2
40°	4864.8	4841.6	4841.6	4950.0	5125.6	5390.3	5456.1	5546.5	5467.8	5179.9	4687.9
42.5°	5275.4	5253.4	5225.0	5320.6	5467.8	5674.3	5728.6	5704.0	5639.5	5529.7	5217.3
45°	5691.1	5657.6	5676.9	5735.0	5820.2	5918.4	5939.0	5825.4	5795.7	5826.7	5655.0
47.5°	6007.4	5984.2	6032.0	6113.3	6183.0	6197.2	6183.0	6025.5	6022.9	6132.7	5958.4
50°	6113.3	6115.9	6247.6	6425.8	6538.1	6549.7	6530.3	6349.6	6325.0	6357.3	6122.3
52.5°	6123.6	6134.0	6326.3	6665.9	6971.9	7111.3	7095.8	6900.9	6660.7	6625.9	6370.2
55°	5874.5	5935.1	6203.7	6699.5	7350.2	7795.6	7847.2	7474.1	7117.8	7088.1	6903.5
57.5°	4695.7	4819.6	5143.7	5849.9	6928.0	7866.6	8000.9	7732.3	7387.6	7261.1	6760.1
60°	2806.8	2960.5	3271.6	4137.9	5272.8	6465.8	6696.9	6734.3	6575.5	6210.1	5186.3
62.5°	1204.6	1191.7	1575.1	2238.7	3136.1	4109.5	4214.1	4376.8	4514.9	4132.8	3147.7
65°	413.1	449.3	624.9	1009.6	1570.0	1908.2	2001.2	2147.1	2343.3	1934.1	1152.9
67.5°	255.6	271.1	360.2	596.5	847.0	834.0	792.7	769.5	748.8	512.6	316.3
70°	185.9	198.8	253.1	410.6	569.4	400.2	347.3	281.5	312.4	287.9	224.6
72.5°	125.2	135.6	174.3	249.2	291.8	195.0	180.8	205.3	247.9	236.3	183.3
75°	74.9	81.3	99.4	121.4	118.8	100.7	102.0	144.6	189.8	176.9	130.4
77.5°	51.6	54.2	65.8	78.8	58.1	31.0	28.4	40.0	64.6	64.6	43.9
80°	12.9	16.8	16.8	10.3	9.0	7.7	7.7	11.6	18.1	12.9	6.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
85°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
87.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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°	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8	1861.8
2.5°	1870.8	1855.3	1865.6	1863.0	1870.8	1873.4	1861.8	1859.2	1860.5	1845.0	1839.8
5°	1888.9	1870.8	1876.0	1870.8	1879.8	1887.6	1883.7	1888.9	1895.3	1883.7	1878.5
7.5°	1927.6	1909.5	1908.2	1900.5	1913.4	1918.6	1917.3	1931.5	1944.4	1936.6	1928.9
10°	1994.7	1970.2	1967.6	1961.2	1965.0	1968.9	1954.7	1957.3	1968.9	1959.9	1956.0
12.5°	2077.4	2047.7	2041.2	2025.7	2025.7	2006.4	1975.4	1968.9	1977.9	1971.5	1965.0
15°	2166.4	2126.4	2116.1	2089.0	2063.2	2027.0	1994.7	1987.0	1993.4	1985.7	1980.5
17.5°	2265.9	2220.7	2187.1	2139.3	2082.5	2039.9	2003.8	1987.0	1976.7	1961.2	1959.9
20°	2364.0	2304.6	2247.8	2171.6	2096.7	2032.2	1972.8	1928.9	1891.4	1868.2	1859.2
22.5°	2477.6	2389.8	2298.1	2191.0	2083.8	1985.7	1881.1	1806.2	1741.7	1719.7	1709.4
25°	2599.0	2485.3	2348.5	2209.1	2039.9	1882.4	1740.4	1629.4	1544.1	1515.7	1504.1
27.5°	2733.2	2577.0	2400.1	2205.2	1949.5	1735.2	1546.7	1408.6	1324.7	1298.8	1307.9
30°	2903.7	2695.8	2464.7	2165.2	1814.0	1528.6	1307.9	1191.7	1128.4	1103.9	1105.2
32.5°	3130.9	2866.2	2558.9	2079.9	1639.7	1293.7	1100.0	1014.8	972.2	939.9	937.3
35°	3456.2	3125.7	2646.7	1943.1	1427.9	1084.5	943.8	876.6	817.3	779.8	786.3
37.5°	3846.2	3452.4	2694.5	1758.5	1190.4	921.8	826.3	757.9	690.7	635.2	641.7
40°	4308.4	3879.7	2690.6	1515.7	973.5	810.8	728.2	648.1	564.2	513.9	519.0
42.5°	4823.5	4283.8	2606.7	1258.8	806.9	720.4	633.9	533.2	451.9	420.9	422.2
45°	5270.2	4611.8	2459.5	992.8	679.1	632.6	535.8	432.5	396.4	374.4	373.1
47.5°	5600.7	4851.9	2249.1	781.1	575.8	552.6	440.3	387.3	358.9	340.8	338.3
50°	5785.4	4935.8	2016.7	612.0	486.7	468.7	393.8	351.2	331.8	320.2	317.6
52.5°	6033.3	5036.5	1850.1	482.9	408.0	383.5	362.8	326.6	313.7	304.7	300.8
55°	6425.8	5231.5	1705.5	383.5	339.6	334.4	342.1	312.4	304.7	290.5	285.3
57.5°	6056.5	4699.6	1324.7	297.0	286.6	306.0	330.5	298.2	278.9	266.0	260.8
60°	4261.9	3124.4	666.2	238.9	255.6	286.6	311.2	269.8	250.5	253.1	250.5
62.5°	2349.8	1563.5	299.5	200.1	222.1	253.1	266.0	233.7	220.8	242.7	246.6
65°	768.2	531.9	173.0	154.9	175.6	206.6	229.8	222.1	219.5	245.3	253.1
67.5°	236.3	175.6	117.5	111.0	121.4	152.3	193.7	240.1	258.2	266.0	269.8
70°	176.9	138.1	100.7	94.2	99.4	116.2	164.0	200.1	188.5	189.8	187.2
72.5°	142.0	109.7	86.5	82.6	82.6	80.0	86.5	108.5	122.7	129.1	129.1
75°	99.4	77.5	65.8	60.7	47.8	38.7	34.9	34.9	31.0	29.7	28.4
77.5°	33.6	28.4	25.8	20.7	14.2	11.6	10.3	9.0	6.5	3.9	2.6
80°	5.2	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
85°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	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)