

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: P635196

Luminaire Tested: GWS-SA3D-730-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635196  
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-SA3D-730-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) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

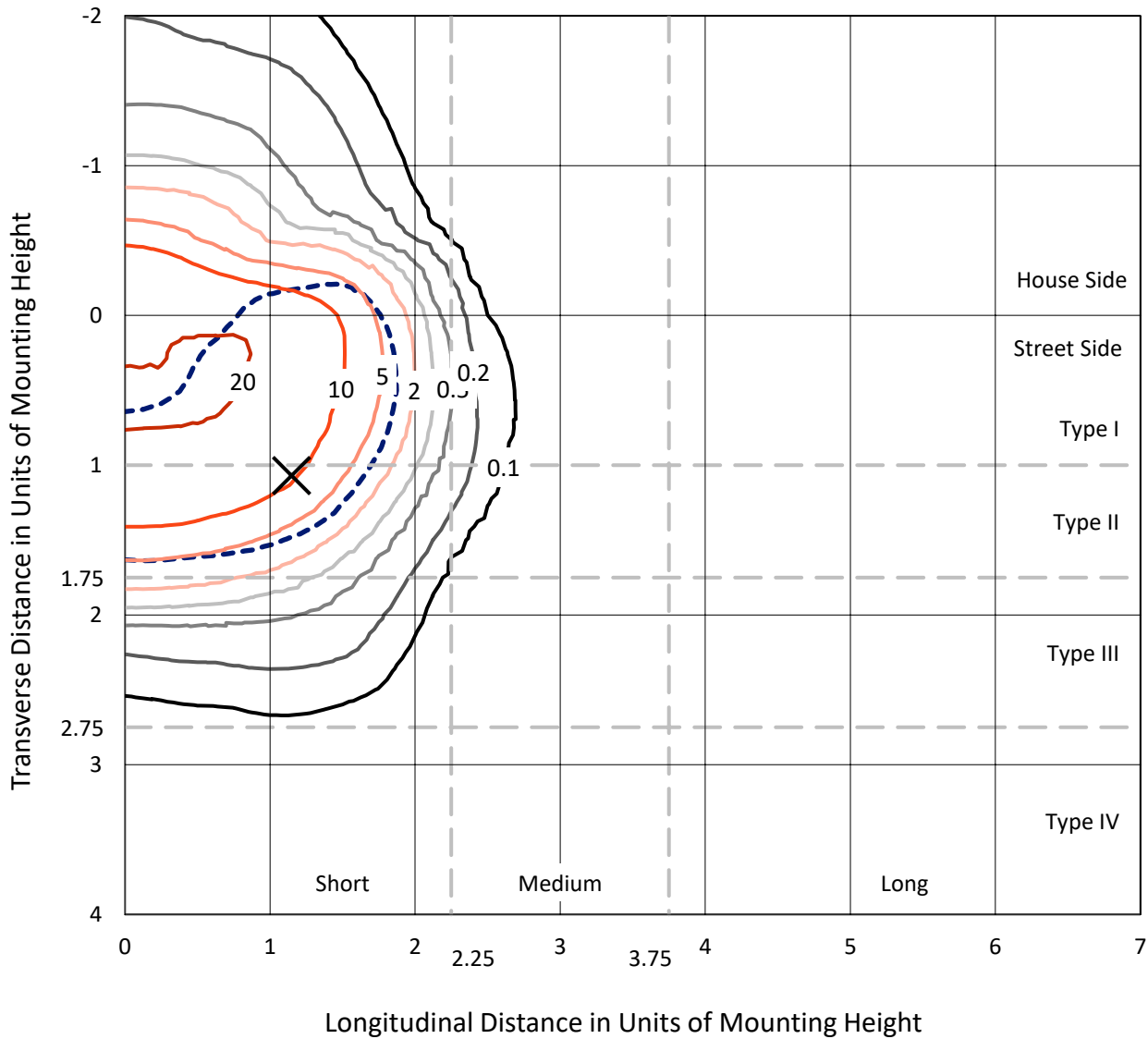
Lumens per Lamp: N/A  
Luminaire Lumens: 9895.7 lumens  
Efficiency: N/A  
Efficacy: 81.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

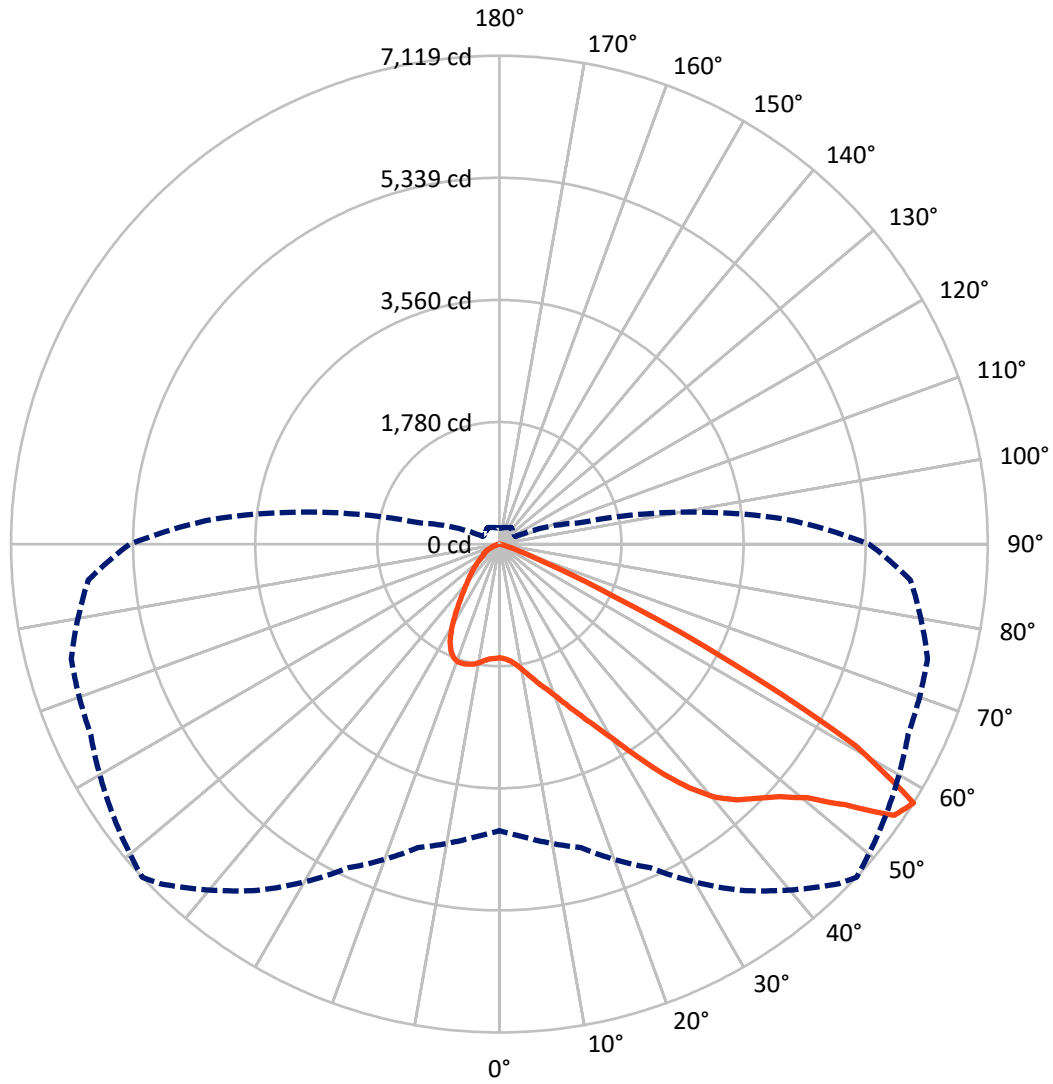
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 23.5 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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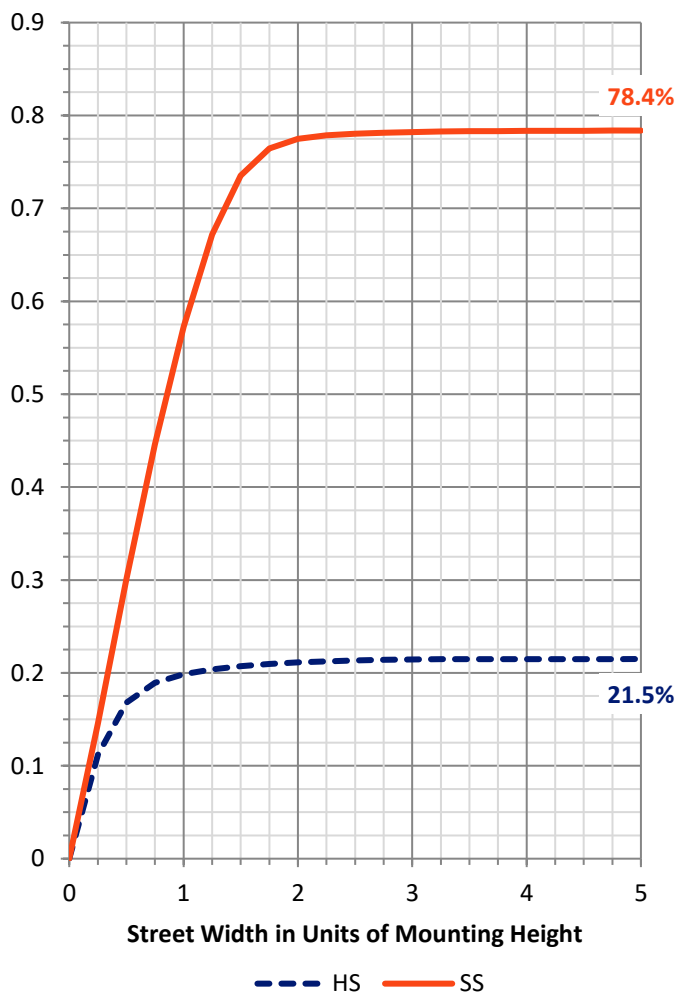
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2146.9	0.0	2146.9
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	7748.8	0.0	7748.8
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	9895.7	0.0	9895.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	164.8	1.7
10°-20°	556.1	5.6
20°-30°	1032.5	10.4
30°-40°	1652.9	16.7
40°-50°	2416.2	24.4
50°-60°	2982.0	30.1
60°-70°	996.4	10.1
70°-80°	92.8	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°	9895.7	100.0
0°-180°	9895.7	100.0

**Coefficient of Utilization**



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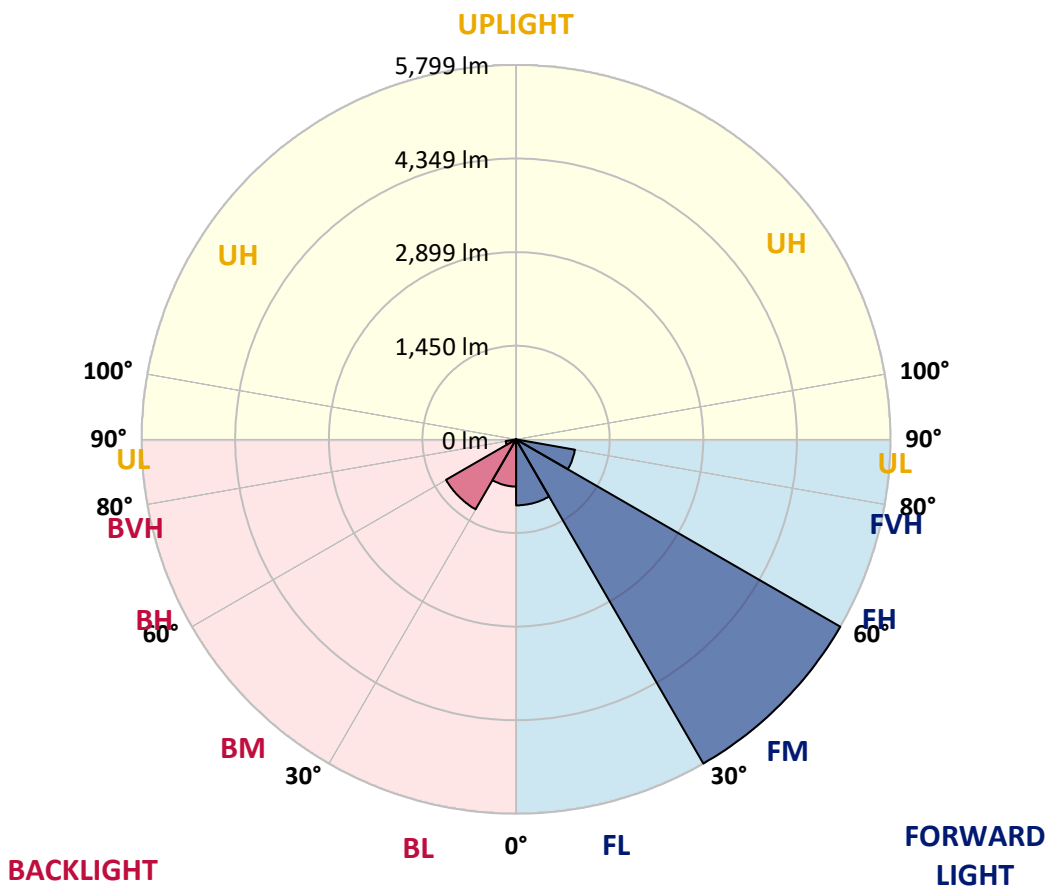
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1022.7	10.3			
FM (30°-60°)	5798.8	58.6			
FH (60°-80°)	926.0	9.4			G1/1800
FVH (80°-90°)	1.3	0.0			G0/10
BL (0°-30°)	730.8	7.4	B2/1000		
BM (30°-60°)	1252.3	12.7	B2/2500		
BH (60°-80°)	163.2	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6
2.5°	1673.8	1672.6	1671.5	1678.4	1676.1	1674.9	1677.2	1677.2	1677.2	1670.3	1656.6
5°	1714.0	1714.0	1712.8	1719.7	1714.0	1710.5	1711.7	1711.7	1707.1	1694.5	1677.2
7.5°	1777.2	1774.9	1772.6	1779.5	1773.7	1772.6	1774.9	1768.0	1759.9	1739.3	1715.1
10°	1867.9	1867.9	1864.5	1871.4	1866.8	1864.5	1864.5	1859.9	1845.0	1812.8	1777.2
12.5°	1993.1	1987.4	1979.4	1973.6	1971.3	1970.2	1971.3	1964.4	1948.3	1907.0	1857.6
15°	2129.9	2125.3	2112.6	2103.4	2090.8	2088.5	2095.4	2089.6	2073.6	2017.3	1947.2
17.5°	2302.2	2307.9	2275.7	2256.2	2219.5	2217.2	2219.5	2228.6	2217.2	2144.8	2042.5
20°	2449.2	2453.8	2429.7	2415.9	2382.6	2367.6	2372.2	2387.2	2374.5	2289.5	2147.1
22.5°	2606.6	2612.3	2587.1	2558.3	2543.4	2543.4	2560.6	2581.3	2564.1	2452.7	2266.6
25°	2795.0	2799.6	2778.9	2741.0	2714.6	2747.9	2773.2	2828.3	2799.6	2648.0	2407.9
27.5°	3011.0	3012.1	2982.3	2943.2	2929.4	2991.4	3016.7	3101.7	3090.2	2867.4	2557.2
30°	3241.9	3243.0	3236.1	3209.7	3197.1	3278.6	3313.1	3436.0	3428.0	3139.6	2760.5
32.5°	3482.0	3482.0	3494.6	3492.3	3507.2	3640.5	3695.6	3835.8	3827.8	3472.8	3013.3
35°	3723.2	3724.4	3746.2	3801.3	3863.4	4040.3	4112.7	4282.7	4264.3	3871.4	3336.1
37.5°	3997.8	3986.3	4016.2	4098.9	4236.7	4441.2	4510.1	4672.1	4651.4	4279.2	3757.7
40°	4328.6	4308.0	4308.0	4404.4	4560.7	4796.2	4854.8	4935.2	4865.1	4608.9	4171.2
42.5°	4693.9	4674.4	4649.1	4734.2	4865.1	5048.9	5097.2	5075.3	5017.9	4920.3	4642.2
45°	5063.9	5034.0	5051.2	5102.9	5178.7	5266.0	5284.4	5183.3	5156.9	5184.5	5031.7
47.5°	5345.3	5324.6	5367.1	5439.5	5501.5	5514.2	5501.5	5361.4	5359.1	5456.7	5301.7
50°	5439.5	5441.8	5559.0	5717.5	5817.5	5827.8	5810.6	5649.7	5627.9	5656.6	5447.5
52.5°	5448.7	5457.9	5629.1	5931.2	6203.4	6327.5	6313.7	6140.3	5926.6	5895.6	5668.1
55°	5227.0	5281.0	5519.9	5961.1	6540.0	6936.4	6982.3	6650.3	6333.3	6306.8	6142.6
57.5°	4178.1	4288.4	4576.8	5205.2	6164.4	6999.6	7119.0	6880.1	6573.4	6460.8	6015.0
60°	2497.5	2634.2	2911.0	3681.9	4691.6	5753.1	5958.8	5992.1	5850.8	5525.7	4614.7
62.5°	1071.8	1060.3	1401.5	1992.0	2790.4	3656.6	3749.6	3894.4	4017.3	3677.3	2800.7
65°	367.6	399.8	556.0	898.4	1396.9	1697.9	1780.6	1910.4	2085.0	1720.9	1025.9
67.5°	227.5	241.2	320.5	530.7	753.6	742.1	705.4	684.7	666.3	456.1	281.5
70°	165.4	176.9	225.2	365.3	506.6	356.1	309.0	250.4	278.0	256.2	199.9
72.5°	111.4	120.6	155.1	221.7	259.6	173.5	160.8	182.7	220.6	210.2	163.1
75°	66.6	72.4	88.5	108.0	105.7	89.6	90.8	128.7	168.9	157.4	116.0
77.5°	46.0	48.2	58.6	70.1	51.7	27.6	25.3	35.6	57.4	57.4	39.1
80°	11.5	14.9	14.9	9.2	8.0	6.9	6.9	10.3	16.1	11.5	5.7
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3	2.3
85°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
87.5°	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
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°	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6	1656.6
2.5°	1664.6	1650.8	1660.0	1657.7	1664.6	1666.9	1656.6	1654.3	1655.4	1641.6	1637.0
5°	1680.7	1664.6	1669.2	1664.6	1672.6	1679.5	1676.1	1680.7	1686.4	1676.1	1671.5
7.5°	1715.1	1699.1	1697.9	1691.0	1702.5	1707.1	1705.9	1718.6	1730.1	1723.2	1716.3
10°	1774.9	1753.0	1750.8	1745.0	1748.5	1751.9	1739.3	1741.6	1751.9	1743.9	1740.4
12.5°	1848.4	1822.0	1816.2	1802.4	1802.4	1785.2	1757.6	1751.9	1759.9	1754.2	1748.5
15°	1927.7	1892.1	1882.9	1858.7	1835.8	1803.6	1774.9	1768.0	1773.7	1766.8	1762.2
17.5°	2016.1	1975.9	1946.0	1903.5	1853.0	1815.1	1782.9	1768.0	1758.8	1745.0	1743.9
20°	2103.4	2050.6	2000.0	1932.3	1865.6	1808.2	1755.3	1716.3	1683.0	1662.3	1654.3
22.5°	2204.5	2126.4	2044.8	1949.5	1854.1	1766.8	1673.8	1607.2	1549.7	1530.2	1521.0
25°	2312.5	2211.4	2089.6	1965.6	1815.1	1674.9	1548.6	1449.8	1373.9	1348.7	1338.3
27.5°	2432.0	2293.0	2135.6	1962.1	1734.7	1544.0	1376.2	1253.3	1178.7	1155.7	1163.7
30°	2583.6	2398.7	2193.0	1926.5	1614.0	1360.2	1163.7	1060.3	1004.0	982.2	983.4
32.5°	2785.8	2550.3	2276.9	1850.7	1459.0	1151.1	978.8	902.9	865.0	836.3	834.0
35°	3075.3	2781.2	2355.0	1728.9	1270.6	965.0	839.8	780.0	727.2	693.9	699.6
37.5°	3422.2	3071.9	2397.5	1564.6	1059.2	820.2	735.2	674.3	614.6	565.2	570.9
40°	3833.5	3452.1	2394.1	1348.7	866.2	721.4	647.9	576.7	502.0	457.2	461.8
42.5°	4291.9	3811.7	2319.4	1120.1	718.0	641.0	564.1	474.4	402.1	374.5	375.7
45°	4689.3	4103.5	2188.4	883.4	604.3	562.9	476.7	384.8	352.7	333.1	332.0
47.5°	4983.4	4317.1	2001.2	695.0	512.4	491.7	391.7	344.6	319.4	303.3	301.0
50°	5147.7	4391.8	1794.4	544.5	433.1	417.0	350.4	312.5	295.2	284.9	282.6
52.5°	5368.3	4481.4	1646.2	429.6	363.0	341.2	322.8	290.6	279.2	271.1	267.7
55°	5717.5	4654.9	1517.5	341.2	302.1	297.5	304.4	278.0	271.1	258.5	253.9
57.5°	5389.0	4181.6	1178.7	264.2	255.0	272.3	294.1	265.4	248.1	236.7	232.1
60°	3792.1	2780.1	592.8	212.5	227.5	255.0	276.9	240.1	222.9	225.2	222.9
62.5°	2090.8	1391.2	266.5	178.1	197.6	225.2	236.7	207.9	196.4	216.0	219.4
65°	683.5	473.3	153.9	137.9	156.2	183.8	204.5	197.6	195.3	218.3	225.2
67.5°	210.2	156.2	104.5	98.8	108.0	135.6	172.3	213.7	229.8	236.7	240.1
70°	157.4	122.9	89.6	83.9	88.5	103.4	145.9	178.1	167.7	168.9	166.6
72.5°	126.4	97.6	77.0	73.5	73.5	71.2	77.0	96.5	109.1	114.9	114.9
75°	88.5	68.9	58.6	54.0	42.5	34.5	31.0	31.0	27.6	26.4	25.3
77.5°	29.9	25.3	23.0	18.4	12.6	10.3	9.2	8.0	5.7	3.4	2.3
80°	4.6	3.4	2.3	2.3	2.3	1.1	1.1	1.1	0.0	0.0	0.0
82.5°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	0.0	0.0	0.0	0.0
85°	2.3	2.3	2.3	2.3	2.3	1.1	1.1	0.0	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	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)