

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: P634430

Luminaire Tested: GWS-SA3B-760-U-T3R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634430  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-760-U-T3R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

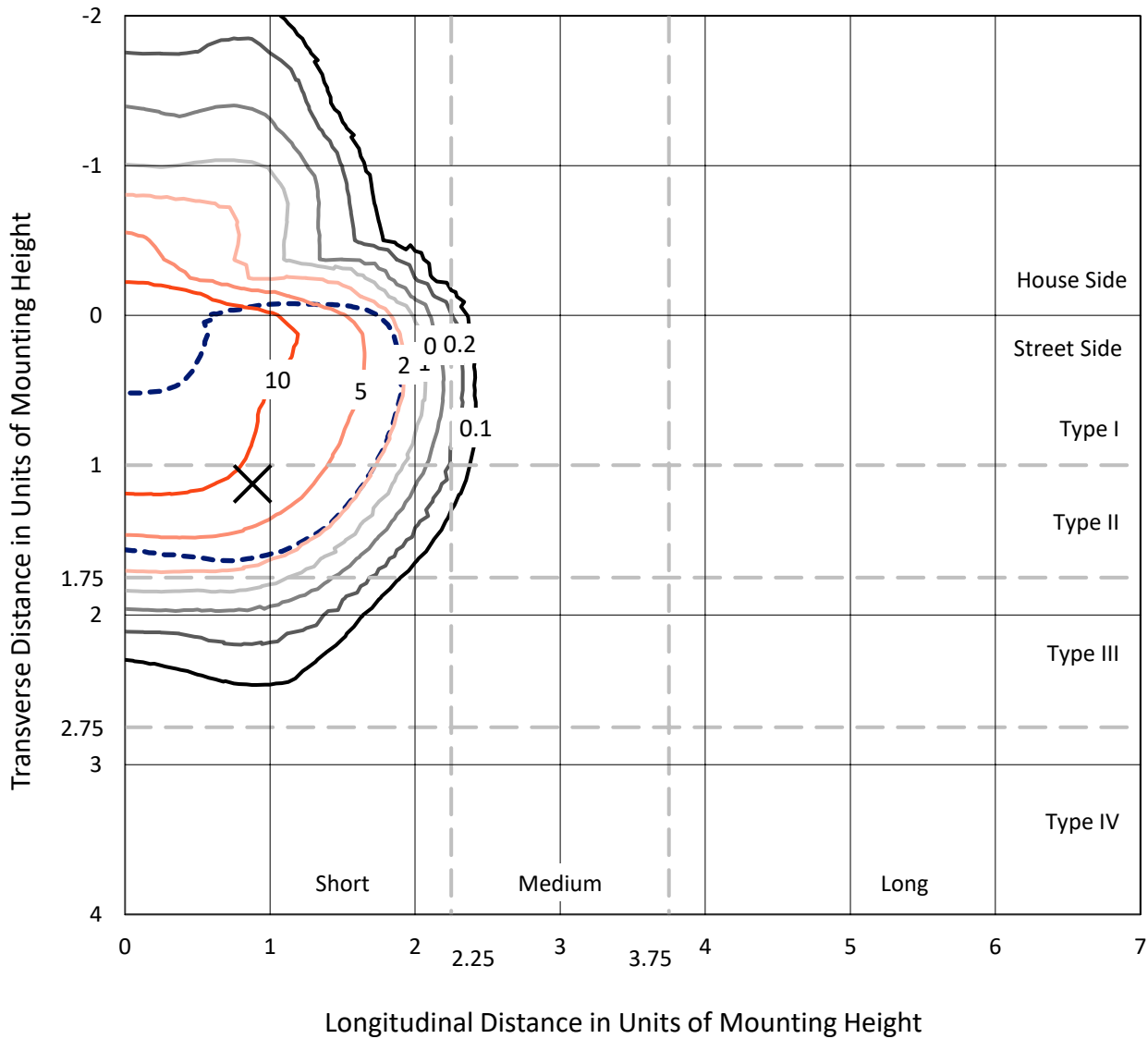
Lumens per Lamp: N/A  
Luminaire Lumens: 6581.7 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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

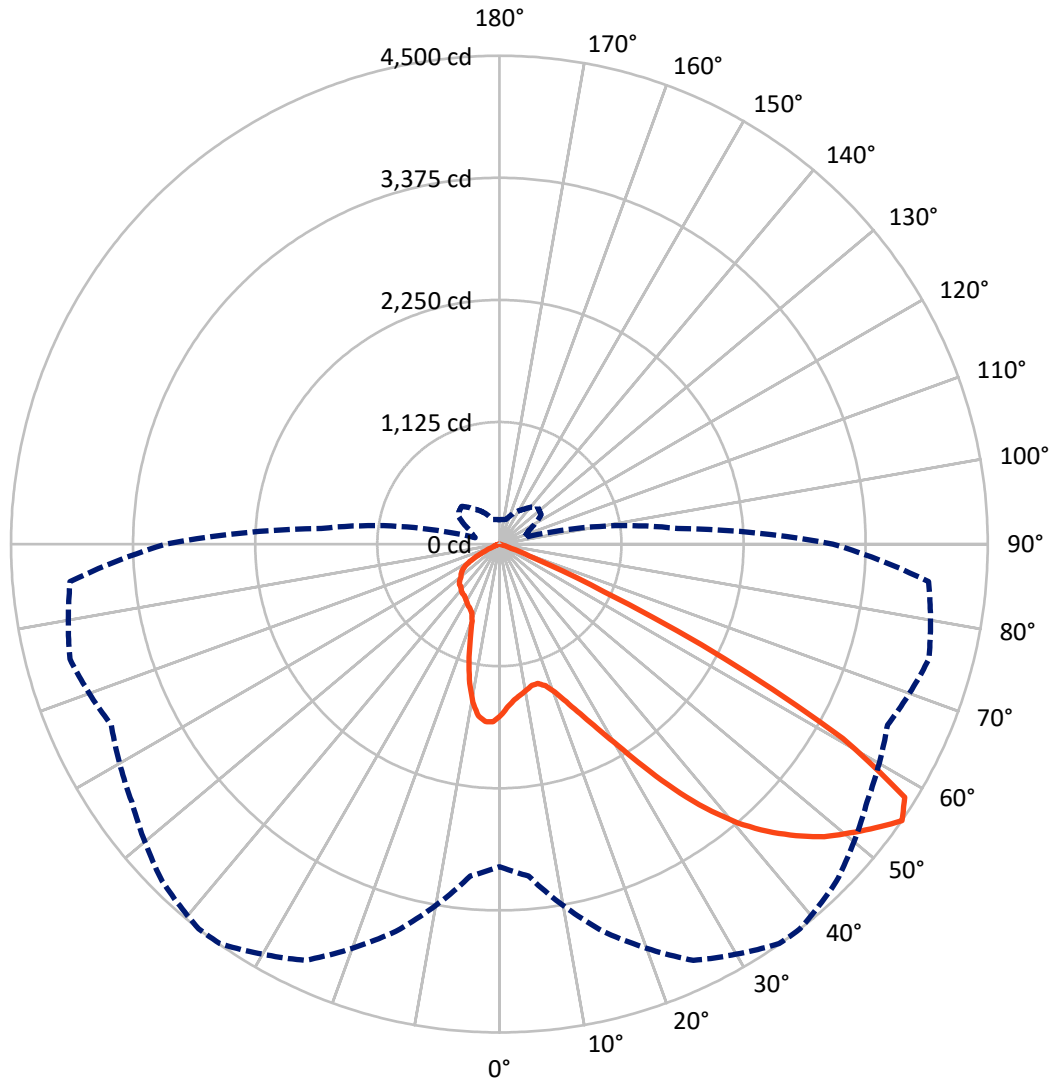
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 55-Deg Vertical

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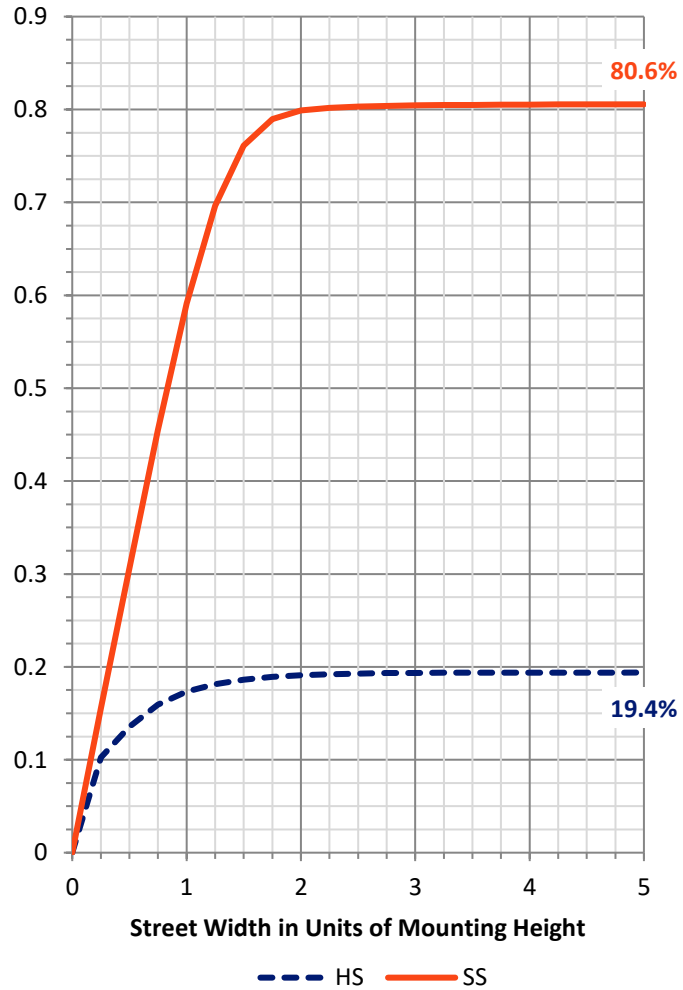
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1282.3	0.0	1282.3
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	5299.4	0.0	5299.4
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	6581.7	0.0	6581.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	145.9	2.2
10°-20°	392.9	6.0
20°-30°	674.2	10.2
30°-40°	1118.2	17.0
40°-50°	1643.8	25.0
50°-60°	1920.9	29.2
60°-70°	651.1	9.9
70°-80°	33.3	0.5
80°-90°	1.3	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°	6581.7	100.0
0°-180°	6581.7	100.0

**Coefficient of Utilization**



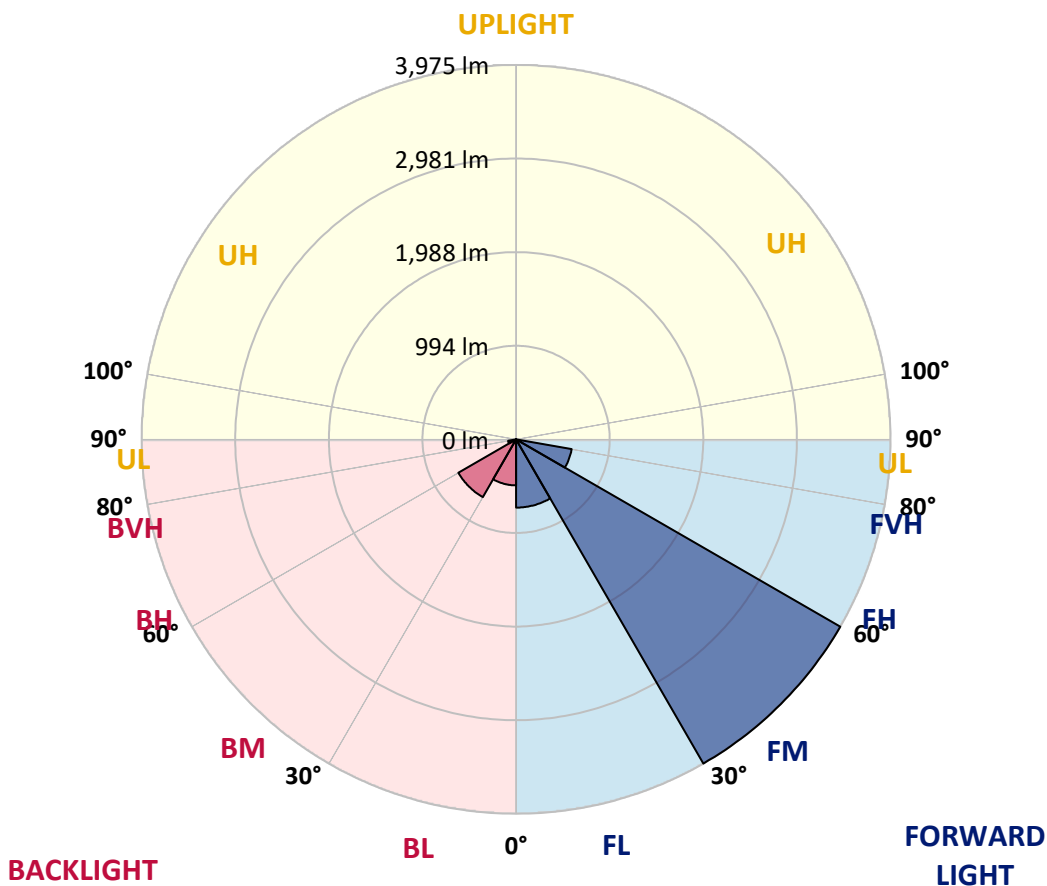
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	724.5	11.0			
FM (30°-60°)	3975.2	60.4			
FH (60°-80°)	599.0	9.1			G0/660
FVH (80°-90°)	0.7	0.0			G0/10
BL (0°-30°)	488.5	7.4	B1/500		
BM (30°-60°)	707.8	10.8	B1/1000		
BH (60°-80°)	85.4	1.3	B0/110		G0/110
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: B1-U0-G0**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3
2.5°	1470.0	1467.0	1473.0	1485.1	1496.3	1500.1	1511.4	1527.2	1537.0	1560.3	1579.1
5°	1403.8	1402.3	1408.3	1418.9	1433.9	1439.2	1456.5	1482.8	1509.1	1549.8	1589.6
7.5°	1343.6	1342.9	1351.9	1375.2	1397.0	1403.8	1424.9	1457.2	1492.6	1555.0	1613.7
10°	1264.6	1265.4	1282.7	1315.8	1355.7	1369.2	1403.1	1449.7	1495.6	1576.1	1657.3
12.5°	1239.1	1240.6	1249.6	1275.2	1318.8	1336.1	1383.5	1454.2	1512.9	1606.2	1713.8
15°	1301.5	1301.5	1294.0	1297.0	1316.5	1332.3	1382.0	1469.3	1542.2	1642.3	1769.4
17.5°	1422.6	1418.1	1399.3	1373.7	1366.9	1372.2	1412.1	1501.6	1583.6	1684.4	1832.6
20°	1586.6	1588.1	1551.3	1497.8	1455.0	1454.2	1478.3	1558.8	1643.0	1734.8	1901.1
22.5°	1785.2	1779.2	1730.3	1657.3	1582.9	1576.8	1586.6	1646.0	1728.8	1814.6	1985.3
25°	2015.4	2012.4	1943.2	1845.4	1746.9	1732.6	1732.6	1791.2	1851.4	1928.2	2086.1
27.5°	2256.2	2256.2	2189.2	2076.4	1945.5	1919.9	1916.1	1985.3	2025.2	2040.3	2171.2
30°	2503.7	2500.7	2434.5	2318.6	2178.7	2152.4	2141.8	2193.0	2221.6	2176.4	2277.2
32.5°	2755.0	2760.2	2693.3	2585.7	2460.8	2443.5	2411.1	2411.1	2434.5	2371.3	2444.2
35°	3025.0	3023.5	2970.9	2897.9	2791.1	2771.5	2718.1	2634.6	2669.9	2642.1	2675.2
37.5°	3263.5	3274.8	3249.2	3195.1	3108.5	3089.0	3001.0	2849.7	2876.8	2920.5	2949.8
40°	3505.8	3514.8	3540.4	3523.1	3414.0	3377.9	3221.4	2973.1	3003.2	3152.9	3237.2
42.5°	3743.5	3748.0	3799.9	3828.5	3682.5	3619.4	3388.4	3048.4	3079.9	3335.0	3482.4
45°	3894.7	3904.5	3990.2	4077.5	3919.5	3833.0	3533.6	3144.6	3158.2	3461.4	3663.7
47.5°	3888.7	3911.2	4072.2	4231.0	4123.4	4030.1	3708.1	3298.9	3276.3	3580.2	3783.4
50°	3767.6	3794.6	4025.6	4277.6	4270.1	4183.6	3902.2	3522.3	3451.6	3685.6	3798.4
52.5°	3516.3	3594.5	3943.6	4283.6	4388.2	4344.6	4142.2	3823.2	3688.6	3836.8	3822.5
55°	2973.1	3069.4	3694.6	4232.5	4495.0	4500.3	4394.2	4136.9	3945.9	4097.1	3970.7
57.5°	2256.9	2333.7	2843.7	3767.6	4318.2	4404.8	4492.0	4302.4	4104.6	4274.6	4005.3
60°	1360.2	1448.9	1780.7	2764.7	3487.7	3635.2	3977.5	3940.6	3702.1	3775.1	3284.6
62.5°	551.4	598.1	822.3	1523.4	2195.2	2332.9	2660.9	2716.6	2657.9	2583.4	1992.1
65°	201.6	220.4	329.5	629.7	1009.6	1060.0	1233.0	1331.6	1412.8	1202.9	741.0
67.5°	124.9	136.9	214.4	323.5	367.1	341.5	347.6	414.5	395.7	244.5	132.4
70°	92.5	102.3	167.8	224.2	148.2	114.4	77.5	82.8	74.5	65.5	64.7
72.5°	63.9	73.0	125.6	132.4	57.2	40.6	28.6	39.9	45.1	44.4	45.9
75°	42.1	48.9	79.0	51.9	14.3	11.3	9.8	21.1	27.1	27.1	27.8
77.5°	24.8	28.6	27.8	10.5	3.0	3.0	2.3	3.8	6.0	6.8	8.3
80°	3.0	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
82.5°	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
85°	0.0	0.0	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3	2.3
87.5°	0.0	0.0	0.8	0.8	1.5	1.5	1.5	1.5	1.5	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°	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3	1578.3
2.5°	1593.4	1588.1	1609.9	1625.7	1638.5	1644.5	1636.3	1635.5	1635.5	1619.0	1614.5
5°	1612.2	1614.5	1645.3	1658.8	1661.1	1653.6	1634.8	1622.0	1614.5	1597.1	1587.4
7.5°	1648.3	1655.8	1685.2	1682.9	1662.6	1628.0	1578.3	1540.0	1515.1	1488.1	1471.5
10°	1700.2	1714.5	1732.6	1701.0	1636.3	1548.2	1445.9	1373.0	1329.3	1298.5	1279.7
12.5°	1763.4	1777.7	1771.7	1697.2	1562.5	1405.3	1273.7	1168.3	1117.9	1090.1	1070.5
15°	1827.4	1836.4	1797.3	1652.1	1432.4	1221.0	1074.3	969.7	908.0	885.5	868.9
17.5°	1892.8	1890.5	1801.8	1563.3	1258.6	1013.4	868.9	797.4	780.1	776.4	774.9
20°	1961.3	1941.0	1783.7	1436.2	1049.5	808.0	726.0	730.5	762.1	777.1	780.1
22.5°	2039.5	1988.3	1738.6	1263.9	835.8	673.3	681.6	726.0	768.9	789.2	792.2
25°	2123.0	2032.0	1663.4	1042.7	659.0	619.1	668.0	719.2	765.1	789.9	792.9
27.5°	2177.9	2042.5	1540.0	820.0	565.7	598.1	650.0	698.9	746.3	773.4	777.1
30°	2237.4	2038.0	1372.2	631.9	534.1	580.0	625.2	669.6	713.2	743.3	746.3
32.5°	2324.6	2035.0	1167.6	513.1	521.3	565.7	598.8	635.7	665.8	683.1	680.8
35°	2439.0	2031.2	929.1	462.7	513.8	554.5	580.8	598.1	565.0	554.5	556.7
37.5°	2585.7	2040.3	728.2	441.6	511.6	551.4	574.0	524.4	473.2	453.6	450.6
40°	2748.2	2063.6	555.2	433.3	519.1	559.0	548.4	466.4	403.2	364.9	356.6
42.5°	2911.4	2089.2	439.3	430.3	531.9	580.0	506.3	424.3	329.5	307.7	304.7
45°	3032.6	2084.6	379.9	425.1	543.2	592.1	495.0	364.1	294.2	284.4	285.1
47.5°	3093.5	2035.0	347.6	413.0	547.7	580.0	467.2	339.3	270.1	280.6	289.6
50°	3061.1	1906.3	317.5	389.7	537.9	564.2	422.8	320.5	258.0	301.7	322.0
52.5°	3022.0	1748.4	284.4	353.6	514.6	542.4	405.5	315.2	250.5	291.1	306.2
55°	3073.9	1648.3	230.2	297.9	468.7	491.3	392.0	314.5	233.2	226.4	224.2
57.5°	3001.0	1448.9	164.8	214.4	359.6	388.9	382.2	309.2	206.9	206.1	209.1
60°	2319.4	884.0	112.8	136.2	220.4	248.3	346.8	295.7	178.3	164.0	164.8
62.5°	1318.0	376.2	77.5	84.3	112.8	133.9	264.8	268.6	164.8	156.5	164.8
65°	458.9	134.7	60.2	56.4	62.4	71.5	152.0	207.6	149.7	135.4	136.9
67.5°	94.8	67.0	53.4	46.6	46.6	46.6	77.5	129.4	123.4	107.6	109.1
70°	60.2	57.2	46.6	39.9	38.4	35.4	44.4	71.5	85.0	78.2	79.0
72.5°	44.4	43.6	36.9	32.3	28.6	25.6	27.8	35.4	43.6	45.1	45.9
75°	27.1	27.8	24.1	20.3	18.1	15.8	16.6	16.6	16.6	15.0	16.6
77.5°	8.3	9.0	7.5	6.0	5.3	5.3	5.3	4.5	3.8	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3	1.5	1.5	0.8	0.8	0.0	0.0
82.5°	2.3	2.3	2.3	2.3	1.5	1.5	0.8	0.8	0.0	0.0	0.0
85°	2.3	2.3	2.3	2.3	1.5	1.5	0.8	0.8	0.0	0.0	0.0
87.5°	2.3	2.3	2.3	2.3	1.5	1.5	0.8	0.8	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)