

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: P629976

Luminaire Tested: GWS-SA1C-760-U-T3R-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629976  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T3R-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

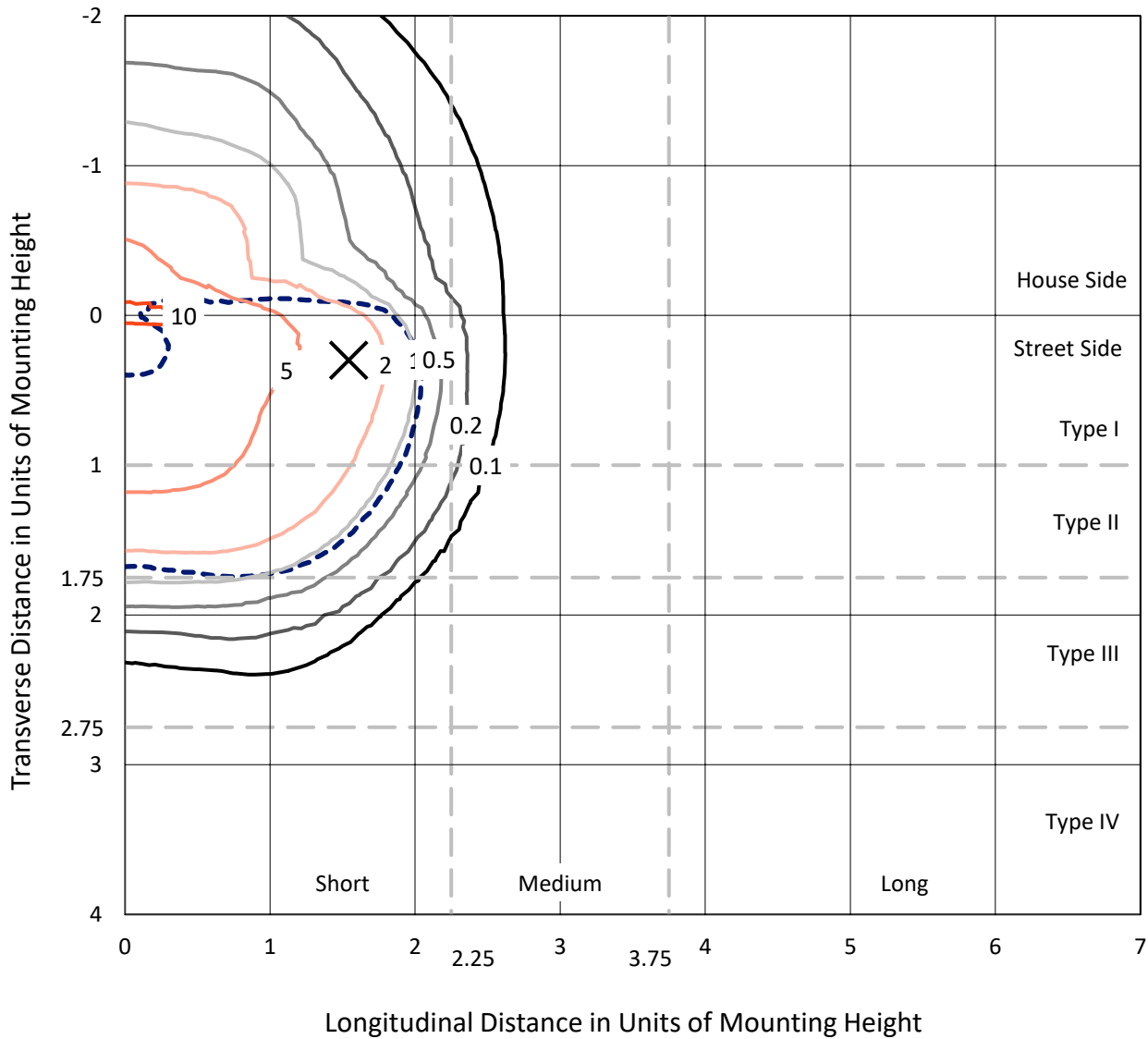
Lumens per Lamp: N/A  
Luminaire Lumens: 4251.6 lumens  
Efficiency: N/A  
Efficacy: 124.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

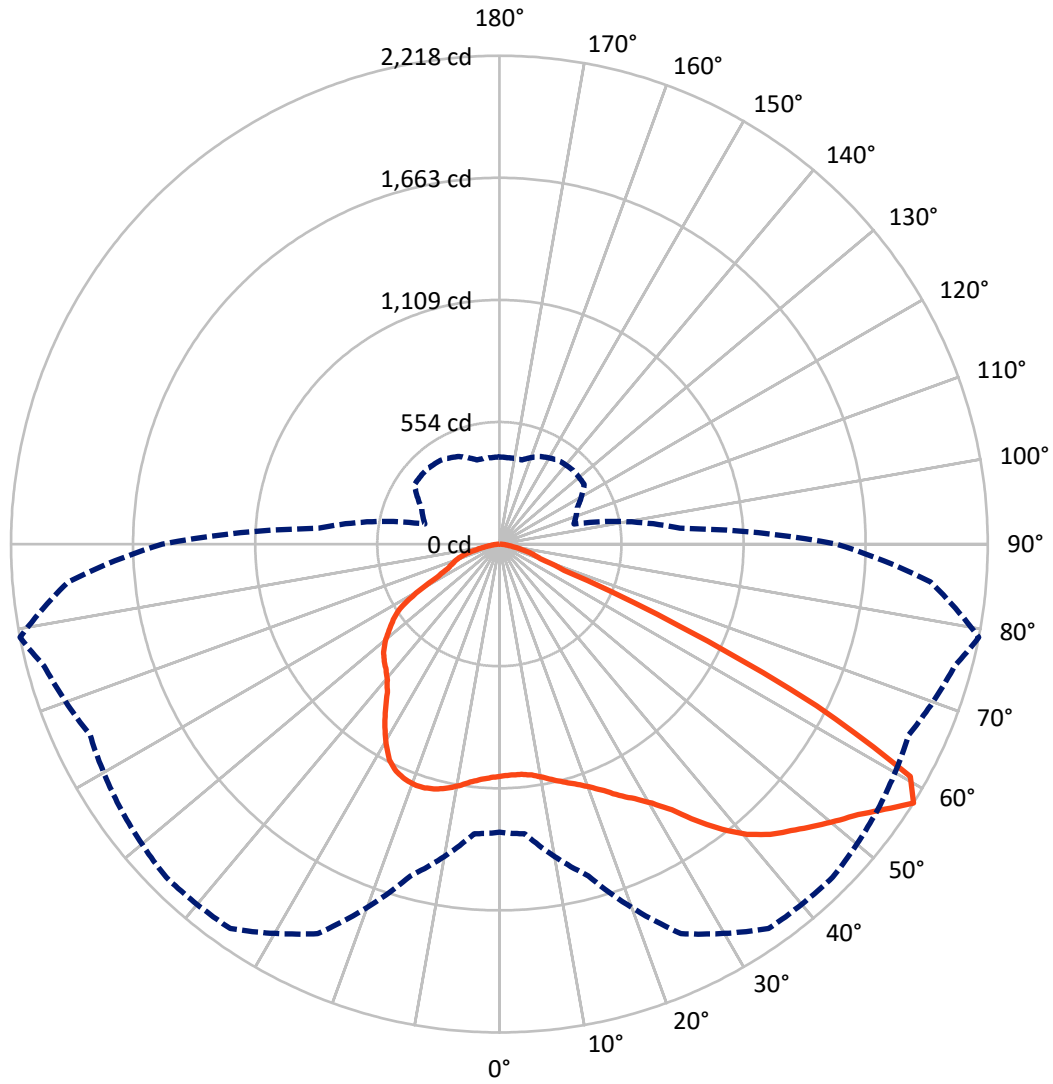
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.6 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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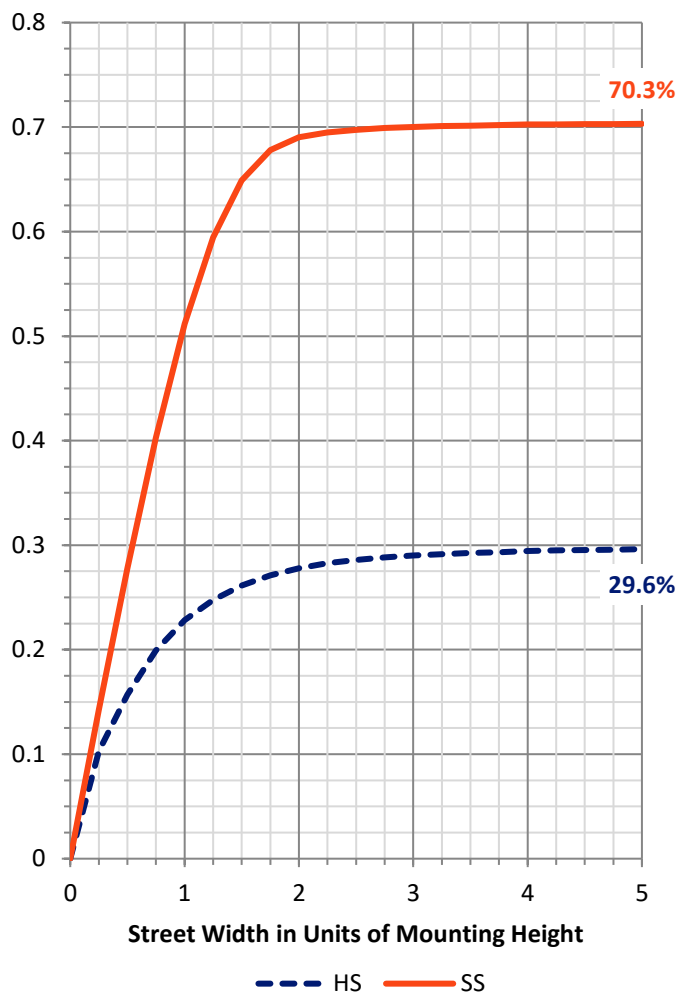
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1263.8	0.0	1263.8
	% Fixture	29.7	0.0	29.7
<b>Street Side</b>	Lumens	2987.8	0.0	2987.8
	% Fixture	70.3	0.0	70.3
<b>Total</b>	Lumens	4251.6	0.0	4251.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.6	2.3
10°-20°	271.2	6.4
20°-30°	459.6	10.8
30°-40°	703.5	16.5
40°-50°	938.1	22.1
50°-60°	1083.4	25.5
60°-70°	563.0	13.2
70°-80°	119.7	2.8
80°-90°	15.5	0.4
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°	4251.6	100.0
0°-180°	4251.6	100.0

**Coefficient of Utilization**



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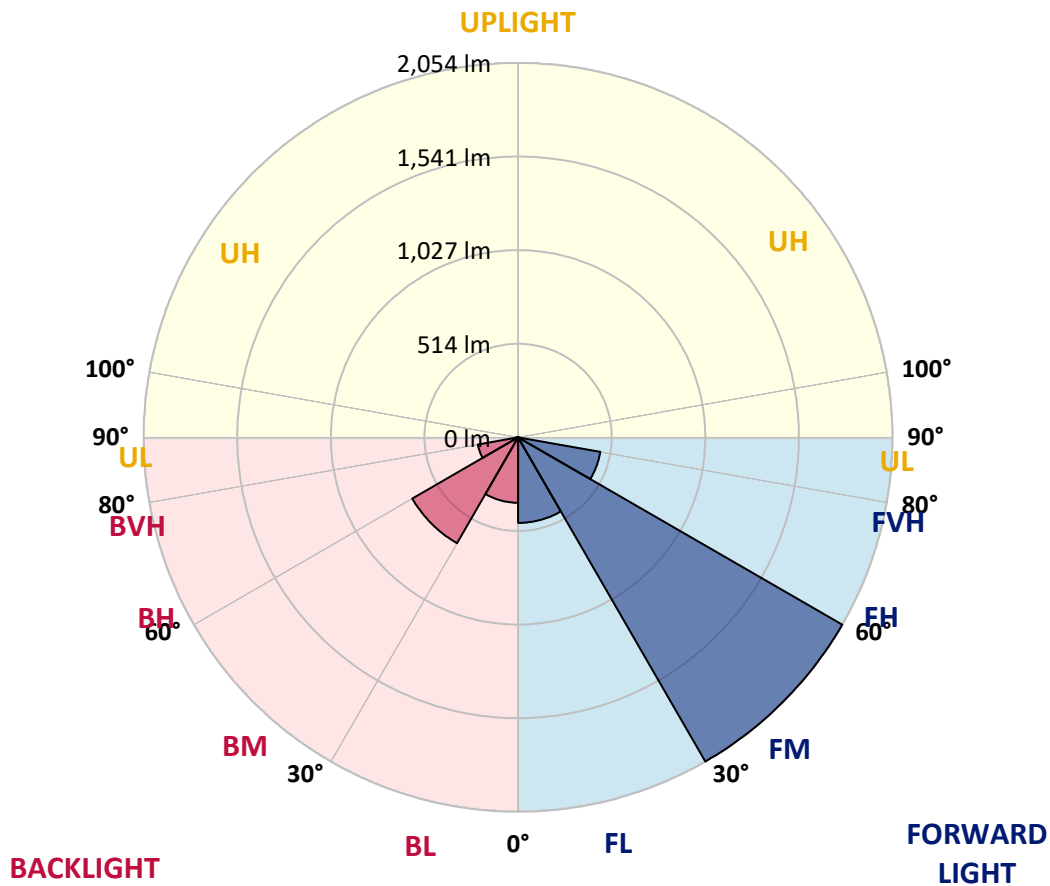
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.5	11.0			
FM (30°-60°)	2054.5	48.3			
FH (60°-80°)	458.4	10.8			G0/660
FVH (80°-90°)	5.4	0.1			G0/10
BL (0°-30°)	358.9	8.4	B1/500		
BM (30°-60°)	670.6	15.8	B1/1000		
BH (60°-80°)	224.2	5.3	B1/500		G1/500
BVH (80°-90°)	10.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6
2.5°	1005.7	1003.6	1004.3	1007.1	1017.5	1025.1	1033.1	1040.4	1047.4	1049.5	1051.2
5°	969.9	966.0	967.1	971.6	983.8	996.6	1010.9	1028.3	1045.0	1050.5	1057.8
7.5°	944.5	943.8	945.5	952.5	965.3	977.5	995.9	1020.6	1049.5	1058.9	1071.7
10°	910.8	909.4	916.3	930.6	951.8	971.3	993.2	1022.4	1062.7	1076.6	1096.4
12.5°	884.0	883.3	890.6	910.4	937.5	968.5	998.7	1031.4	1080.4	1099.5	1123.9
15°	899.6	896.5	896.9	910.8	935.1	971.6	1012.6	1047.7	1098.1	1122.5	1153.8
17.5°	945.2	939.6	935.5	937.9	951.8	989.7	1033.8	1069.6	1118.7	1147.2	1185.4
20°	1008.1	1005.0	993.5	985.9	989.0	1022.4	1067.2	1100.6	1145.4	1177.4	1218.4
22.5°	1092.6	1084.9	1069.3	1057.1	1047.7	1073.8	1115.2	1144.0	1182.6	1216.0	1258.7
25°	1197.2	1186.1	1161.4	1142.3	1122.1	1148.9	1185.7	1207.6	1233.7	1264.7	1305.3
27.5°	1303.9	1294.5	1267.1	1241.4	1216.3	1233.0	1276.8	1289.3	1286.6	1309.1	1343.9
30°	1417.6	1405.8	1379.7	1351.9	1319.6	1330.4	1369.6	1375.9	1346.3	1365.1	1388.8
32.5°	1537.5	1526.1	1503.5	1471.1	1434.6	1438.8	1449.6	1455.5	1427.3	1438.1	1456.2
35°	1659.6	1648.8	1625.8	1593.9	1567.1	1541.7	1514.6	1538.2	1521.9	1542.8	1541.4
37.5°	1771.1	1760.4	1746.1	1721.4	1675.5	1625.5	1562.9	1592.1	1617.5	1643.9	1639.4
40°	1846.6	1839.3	1842.7	1838.9	1779.8	1680.8	1586.6	1618.5	1687.7	1732.9	1730.5
42.5°	1911.6	1904.3	1924.4	1939.0	1869.5	1731.9	1598.0	1628.6	1732.6	1803.1	1799.6
45°	1940.4	1938.3	1971.7	2018.0	1951.6	1786.1	1627.6	1649.5	1766.6	1857.0	1843.8
47.5°	1906.0	1913.3	1979.0	2057.2	2019.7	1850.4	1688.1	1693.6	1811.1	1915.4	1878.2
50°	1837.5	1853.5	1942.2	2058.3	2069.4	1923.0	1771.8	1757.9	1870.9	1977.6	1896.3
52.5°	1737.8	1754.5	1899.1	2050.3	2097.9	2007.2	1883.4	1863.6	1946.3	2039.9	1899.4
55°	1508.7	1531.3	1800.3	2032.2	2125.7	2083.7	2009.3	1968.9	2043.7	2125.4	1930.3
57.5°	1308.8	1320.6	1559.8	1951.9	2131.3	2140.0	2098.9	2051.0	2140.3	2217.8	1965.1
60°	960.5	963.3	1178.4	1615.1	1960.6	2107.3	2091.6	2020.4	2094.4	2143.8	1805.9
62.5°	542.6	543.0	714.7	1078.0	1464.5	1717.6	1727.3	1664.4	1602.2	1616.8	1257.0
65°	203.7	222.8	326.4	529.8	844.4	1014.0	1054.3	1068.9	965.3	901.0	674.0
67.5°	136.3	140.8	190.5	272.5	375.8	433.8	485.3	486.7	356.0	317.4	265.6
70°	103.9	108.5	149.8	195.0	190.5	175.9	190.1	184.9	191.2	196.4	202.0
72.5°	77.5	82.0	116.1	137.7	114.4	112.6	127.6	141.8	155.0	160.6	169.3
75°	51.4	54.9	78.2	73.7	63.3	74.7	93.2	107.4	115.1	121.7	128.3
77.5°	32.7	35.1	41.7	33.7	35.1	43.8	54.2	67.1	74.4	81.0	84.5
80°	14.9	14.6	14.3	16.0	19.8	25.7	32.7	40.3	45.9	48.7	50.8
82.5°	5.9	6.6	7.3	8.7	10.8	13.9	18.4	23.6	28.2	28.9	30.6
85°	2.4	2.8	3.1	3.8	4.9	6.3	7.6	10.8	13.6	14.6	15.6
87.5°	0.0	0.0	0.0	0.0	0.3	0.7	1.0	1.7	3.1	3.5	3.8
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°	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6	1053.6
2.5°	1060.6	1056.1	1063.7	1068.9	1073.8	1068.6	1066.9	1062.3	1061.6	1061.6	1064.1
5°	1070.3	1067.2	1075.2	1078.3	1078.0	1066.5	1059.6	1050.5	1046.0	1046.0	1046.7
7.5°	1087.7	1086.0	1090.5	1085.6	1074.5	1051.2	1028.3	1009.1	996.3	989.7	991.8
10°	1116.6	1114.5	1110.7	1092.6	1060.6	1012.3	965.3	930.6	909.7	897.9	898.6
12.5°	1144.7	1141.2	1127.7	1087.7	1022.0	945.2	883.7	844.7	821.8	807.9	804.7
15°	1175.7	1166.6	1137.4	1062.7	959.1	863.1	798.8	756.8	732.1	723.8	723.4
17.5°	1205.2	1189.2	1136.4	1018.2	883.7	777.3	712.6	686.6	682.4	686.2	687.3
20°	1235.1	1209.4	1124.9	956.7	794.0	691.8	658.4	669.2	684.8	695.2	697.7
22.5°	1266.0	1226.1	1098.8	877.4	699.4	634.1	648.0	671.6	691.1	705.0	706.4
25°	1300.8	1241.7	1059.9	780.4	623.6	618.1	645.5	670.6	691.4	707.4	710.2
27.5°	1320.6	1242.1	1005.3	680.6	588.9	611.8	639.6	663.3	684.1	701.5	704.6
30°	1340.1	1232.7	918.8	599.6	578.8	604.5	629.5	651.4	671.3	688.3	692.1
32.5°	1367.5	1224.0	819.0	553.1	572.9	597.6	618.1	637.5	652.8	660.5	662.6
35°	1401.6	1212.9	713.0	532.9	569.1	592.0	610.1	620.5	600.7	596.5	601.0
37.5°	1449.2	1202.4	607.3	524.2	566.6	589.9	605.9	579.1	554.8	545.1	548.5
40°	1500.7	1196.5	535.7	517.3	567.7	592.0	588.5	548.9	513.8	493.3	492.6
42.5°	1544.5	1187.5	489.8	512.7	570.4	600.0	564.9	522.1	470.0	457.8	458.2
45°	1574.0	1164.5	465.5	507.9	572.9	601.7	553.8	485.3	448.1	440.4	440.1
47.5°	1586.2	1122.8	449.8	500.2	572.5	587.5	531.2	470.0	432.8	430.7	432.1
50°	1578.2	1054.3	433.8	485.3	564.2	572.5	505.1	456.4	422.4	433.8	442.2
52.5°	1548.7	965.7	414.7	464.8	549.2	555.5	491.9	448.1	414.7	430.0	436.6
55°	1541.0	893.7	390.4	438.0	527.0	525.3	478.0	443.9	409.5	403.6	404.6
57.5°	1530.9	823.5	350.1	390.0	470.7	473.5	464.8	439.0	395.9	394.2	395.9
60°	1330.0	631.3	312.2	336.5	386.6	401.5	449.8	430.0	374.0	366.7	366.4
62.5°	868.7	382.4	277.8	293.4	314.9	332.3	410.2	403.9	350.1	345.5	348.7
65°	467.2	272.5	252.7	262.1	273.9	287.1	340.0	359.8	316.3	300.3	300.7
67.5°	238.8	231.9	234.0	240.6	249.6	256.2	274.3	291.7	269.8	256.2	255.9
70°	204.4	210.0	213.1	216.9	222.8	221.8	223.5	226.7	224.9	218.3	218.0
72.5°	174.2	182.8	183.5	184.2	186.3	181.5	178.3	173.1	173.5	174.5	174.9
75°	132.4	140.8	142.9	141.8	143.9	137.7	133.5	128.3	122.0	121.0	121.7
77.5°	86.2	92.8	95.9	95.2	96.3	91.4	89.3	83.8	76.5	73.7	73.7
80°	52.1	56.0	58.4	59.1	60.1	56.7	53.2	48.3	45.2	42.1	42.1
82.5°	31.6	34.1	35.8	35.8	36.8	33.0	30.2	26.8	25.4	22.6	22.6
85°	16.0	17.7	18.4	18.1	17.4	14.3	13.2	11.5	10.8	9.4	9.4
87.5°	3.8	4.9	4.9	3.5	3.5	1.7	1.0	0.3	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)