

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: P629921

Luminaire Tested: GWS-SA1C-750-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629921
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4310.6 lumens
Efficiency: N/A
Efficacy: 126.4 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

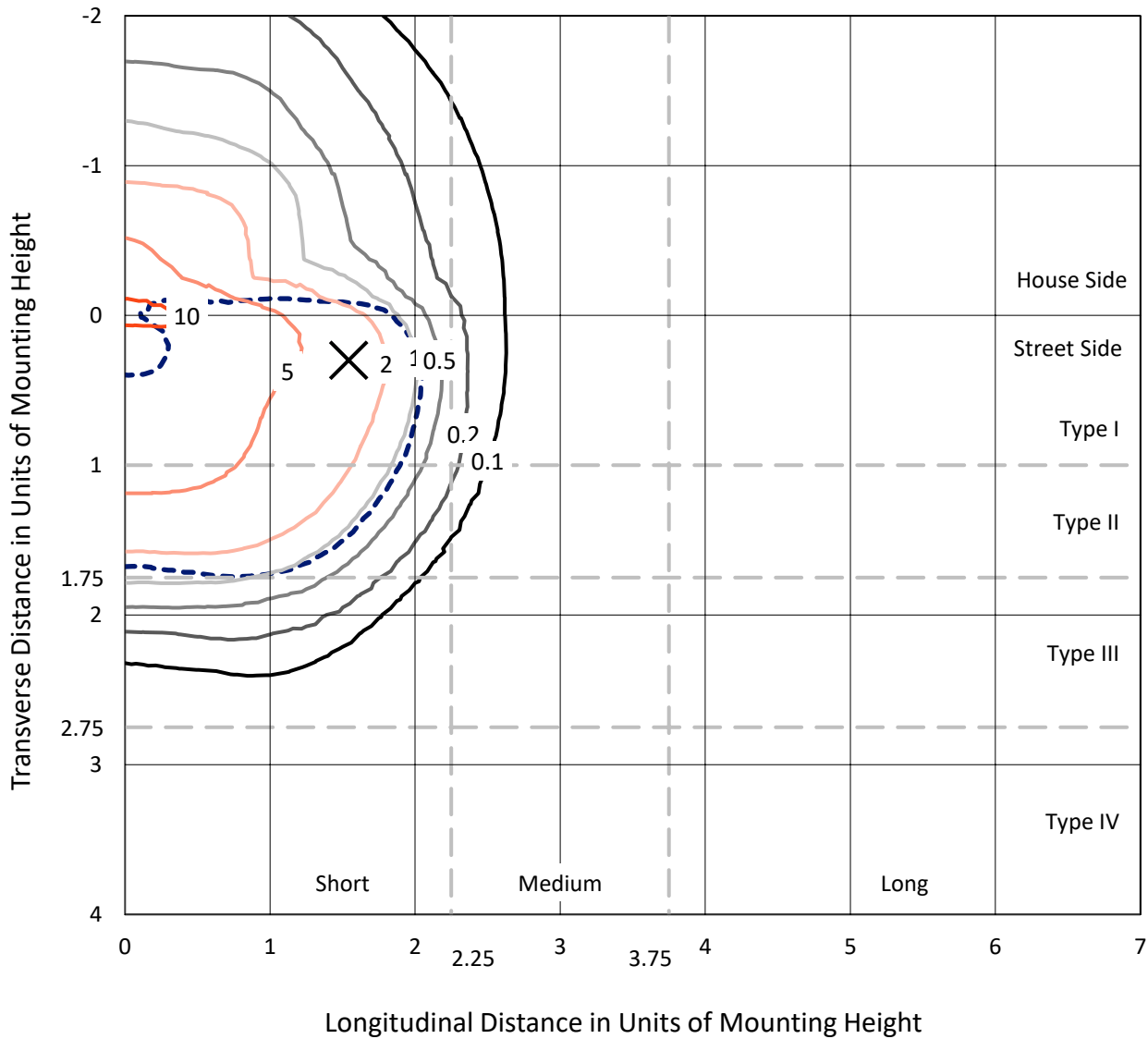
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

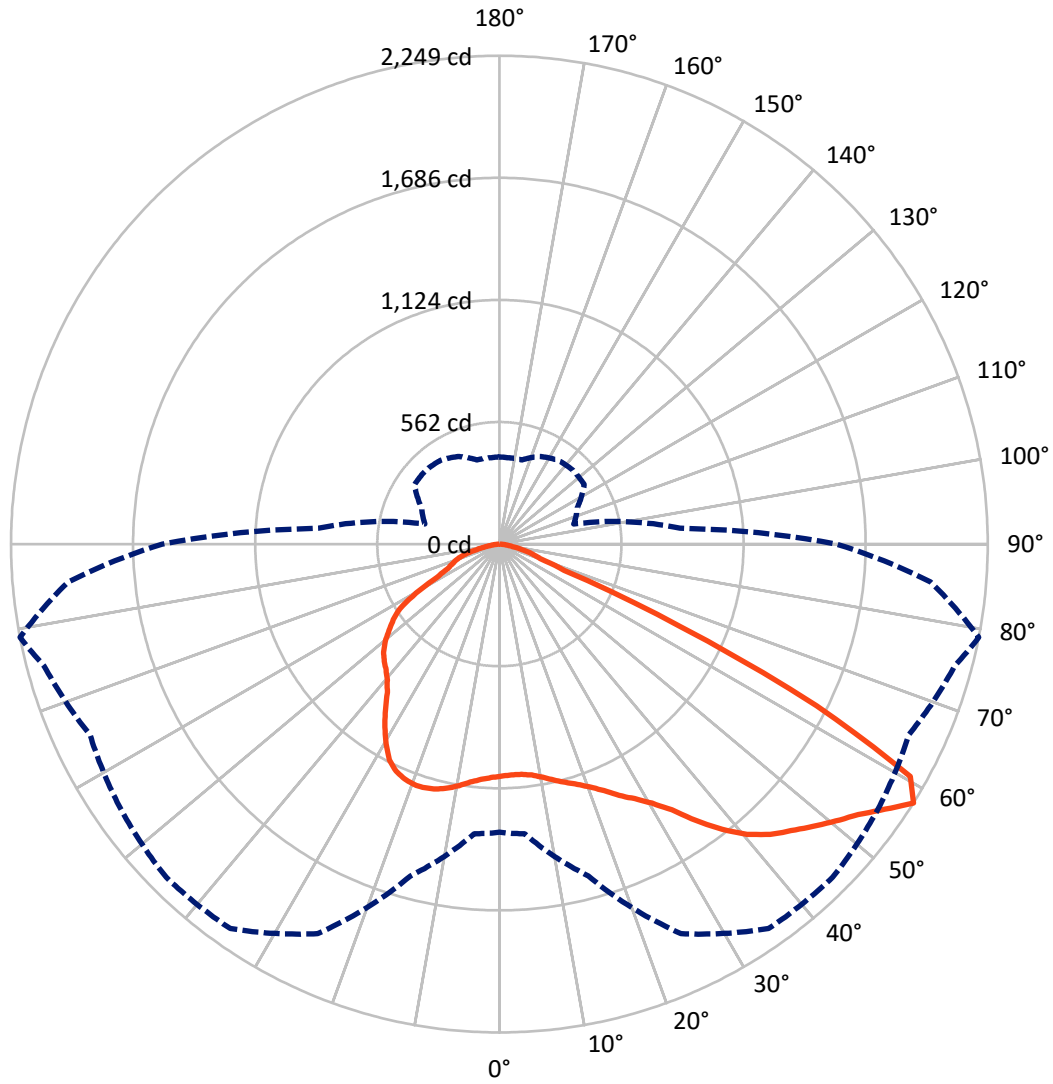
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 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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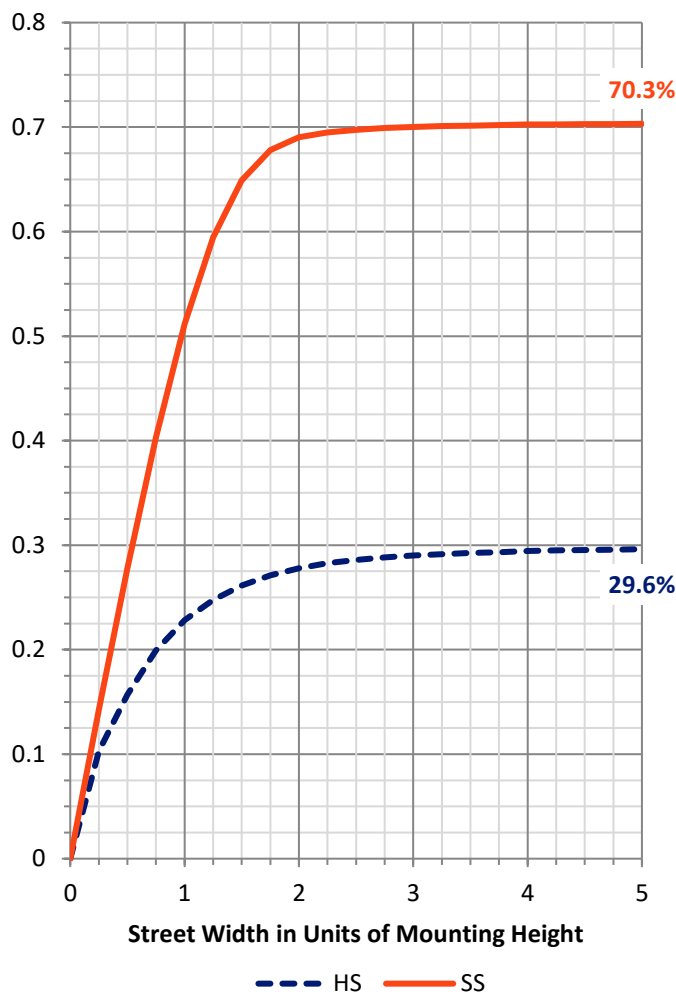
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1281.3	0.0	1281.3
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	3029.3	0.0	3029.3
	% Fixture	70.3	0.0	70.3
Total	Lumens	4310.6	0.0	4310.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.9	2.3
10°-20°	274.9	6.4
20°-30°	466.0	10.8
30°-40°	713.3	16.5
40°-50°	951.1	22.1
50°-60°	1098.5	25.5
60°-70°	570.8	13.2
70°-80°	121.3	2.8
80°-90°	15.7	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°	4310.6	100.0
0°-180°	4310.6	100.0

Coefficient of Utilization



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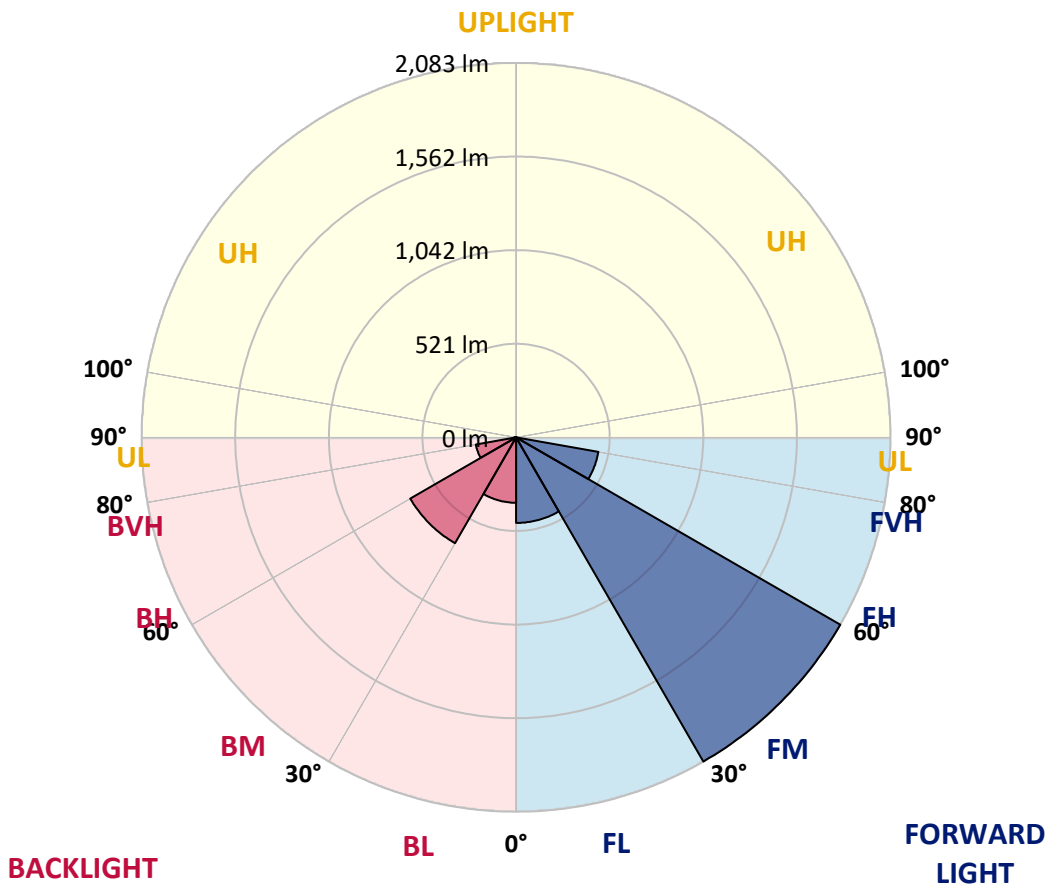
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	476.0	11.0			
FM (30°-60°)	2083.0	48.3			
FH (60°-80°)	464.8	10.8			G0/660
FVH (80°-90°)	5.5	0.1			G0/10
BL (0°-30°)	363.9	8.4	B1/500		
BM (30°-60°)	679.9	15.8	B1/1000		
BH (60°-80°)	227.3	5.3	B1/500		G1/500
BVH (80°-90°)	10.2	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°	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3
2.5°	1019.6	1017.5	1018.2	1021.0	1031.6	1039.4	1047.5	1054.9	1061.9	1064.0	1065.8
5°	983.3	979.4	980.5	985.1	997.4	1010.5	1024.9	1042.5	1059.5	1065.1	1072.5
7.5°	957.6	956.9	958.7	965.7	978.7	991.1	1009.8	1034.8	1064.0	1073.6	1086.6
10°	923.4	922.0	929.0	943.5	965.0	984.7	1006.9	1036.5	1077.4	1091.5	1111.6
12.5°	896.3	895.6	903.0	923.1	950.5	981.9	1012.6	1045.7	1095.4	1114.8	1139.5
15°	912.1	909.0	909.3	923.4	948.1	985.1	1026.7	1062.3	1113.4	1138.1	1169.8
17.5°	958.3	952.7	948.4	950.9	965.0	1003.4	1048.2	1084.5	1134.2	1163.1	1201.8
20°	1022.1	1018.9	1007.3	999.5	1002.7	1036.5	1082.0	1115.8	1161.3	1193.7	1235.3
22.5°	1107.7	1100.0	1084.1	1071.8	1062.3	1088.7	1130.6	1159.9	1199.0	1232.9	1276.2
25°	1213.8	1202.5	1177.5	1158.1	1137.7	1164.8	1202.2	1224.4	1250.8	1282.2	1323.4
27.5°	1322.0	1312.5	1284.7	1258.6	1233.2	1250.1	1294.5	1307.2	1304.4	1327.3	1362.6
30°	1437.3	1425.3	1398.9	1370.7	1337.9	1348.8	1388.6	1395.0	1365.0	1384.1	1408.0
32.5°	1558.9	1547.2	1524.3	1491.6	1454.5	1458.8	1469.7	1475.7	1447.1	1458.1	1476.4
35°	1682.6	1671.7	1648.4	1616.0	1588.8	1563.1	1535.6	1559.6	1543.0	1564.2	1562.7
37.5°	1795.7	1784.8	1770.3	1745.3	1698.8	1648.0	1584.6	1614.2	1639.9	1666.7	1662.1
40°	1872.2	1864.8	1868.3	1864.4	1804.5	1704.1	1608.6	1641.0	1711.1	1756.9	1754.5
42.5°	1938.1	1930.7	1951.1	1965.9	1895.5	1755.9	1620.2	1651.2	1756.6	1828.1	1824.6
45°	1967.4	1965.2	1999.1	2046.0	1978.6	1810.9	1650.2	1672.4	1791.1	1882.8	1869.4
47.5°	1932.5	1939.9	2006.5	2085.8	2047.7	1876.1	1711.5	1717.1	1836.2	1942.0	1904.3
50°	1863.0	1879.2	1969.1	2086.8	2098.1	1949.7	1796.4	1782.3	1896.9	2005.1	1922.6
52.5°	1761.9	1778.8	1925.4	2078.7	2127.0	2035.0	1909.6	1889.5	1973.3	2068.2	1925.8
55°	1529.6	1552.5	1825.3	2060.4	2155.2	2112.6	2037.1	1996.3	2072.0	2154.9	1957.1
57.5°	1327.0	1338.9	1581.4	1979.0	2160.9	2169.7	2128.1	2079.4	2170.0	2248.6	1992.4
60°	973.8	976.6	1194.8	1637.5	1987.8	2136.5	2120.7	2048.4	2123.5	2173.5	1831.0
62.5°	550.2	550.5	724.6	1092.9	1484.9	1741.4	1751.3	1687.5	1624.4	1639.2	1274.4
65°	206.5	225.9	330.9	537.1	856.1	1028.1	1069.0	1083.8	978.7	913.5	683.4
67.5°	138.2	142.7	193.1	276.3	381.0	439.9	492.0	493.4	360.9	321.8	269.3
70°	105.4	110.0	151.9	197.7	193.1	178.3	192.8	187.5	193.8	199.1	204.8
72.5°	78.6	83.2	117.7	139.6	116.0	114.2	129.3	143.8	157.2	162.8	171.6
75°	52.2	55.7	79.3	74.7	64.1	75.8	94.5	108.9	116.7	123.4	130.1
77.5°	33.1	35.6	42.3	34.2	35.6	44.4	55.0	68.0	75.4	82.1	85.6
80°	15.2	14.8	14.5	16.2	20.1	26.1	33.1	40.9	46.5	49.3	51.5
82.5°	6.0	6.7	7.4	8.8	10.9	14.1	18.7	24.0	28.5	29.3	31.0
85°	2.5	2.8	3.2	3.9	4.9	6.3	7.8	10.9	13.7	14.8	15.9
87.5°	0.0	0.0	0.0	0.0	0.4	0.7	1.1	1.8	3.2	3.5	3.9
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°	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3	1068.3
2.5°	1075.3	1070.7	1078.5	1083.8	1088.7	1083.4	1081.7	1077.1	1076.4	1076.4	1078.8
5°	1085.2	1082.0	1090.1	1093.3	1092.9	1081.3	1074.3	1065.1	1060.5	1060.5	1061.2
7.5°	1102.8	1101.0	1105.6	1100.7	1089.4	1065.8	1042.5	1023.2	1010.1	1003.4	1005.5
10°	1132.1	1129.9	1126.1	1107.7	1075.3	1026.3	978.7	943.5	922.4	910.4	911.1
12.5°	1160.6	1157.1	1143.3	1102.8	1036.2	958.3	895.9	856.4	833.2	819.1	815.9
15°	1192.0	1182.8	1153.2	1077.4	972.4	875.1	809.9	767.3	742.3	733.8	733.4
17.5°	1221.9	1205.7	1152.1	1032.3	895.9	788.1	722.5	696.1	691.9	695.7	696.8
20°	1252.2	1226.2	1140.5	969.9	805.0	701.4	667.5	678.5	694.3	704.9	707.4
22.5°	1283.6	1243.1	1114.1	889.6	709.1	642.9	657.0	680.9	700.7	714.8	716.2
25°	1318.9	1258.9	1074.6	791.2	632.3	626.7	654.5	679.9	701.0	717.2	720.0
27.5°	1338.9	1259.3	1019.3	690.1	597.0	620.3	648.5	672.5	693.6	711.2	714.4
30°	1358.7	1249.8	931.5	608.0	586.8	612.9	638.3	660.5	680.6	697.8	701.7
32.5°	1386.5	1241.0	830.4	560.7	580.8	605.9	626.7	646.4	661.9	669.6	671.8
35°	1421.1	1229.7	722.9	540.3	577.0	600.2	618.5	629.1	609.0	604.8	609.4
37.5°	1469.4	1219.1	615.7	531.5	574.5	598.1	614.3	587.2	562.5	552.6	556.2
40°	1521.5	1213.1	543.1	524.4	575.5	600.2	596.7	556.5	520.9	500.1	499.4
42.5°	1565.9	1204.0	496.6	519.9	578.4	608.3	572.7	529.4	476.5	464.2	464.5
45°	1595.9	1180.7	471.9	514.9	580.8	610.1	561.4	492.0	454.3	446.6	446.2
47.5°	1608.2	1138.4	456.1	507.2	580.5	595.6	538.5	476.5	438.8	436.7	438.1
50°	1600.1	1069.0	439.9	492.0	572.0	580.5	512.1	462.8	428.2	439.9	448.3
52.5°	1570.2	979.1	420.5	471.2	556.9	563.2	498.7	454.3	420.5	436.0	442.7
55°	1562.4	906.1	395.8	444.1	534.3	532.5	484.6	450.1	415.2	409.2	410.2
57.5°	1552.2	834.9	354.9	395.4	477.2	480.0	471.2	445.1	401.4	399.7	401.4
60°	1348.5	640.0	316.5	341.2	391.9	407.1	456.1	436.0	379.2	371.8	371.5
62.5°	880.8	387.7	281.6	297.5	319.3	336.9	415.9	409.5	354.9	350.3	353.5
65°	473.7	276.3	256.2	265.7	277.7	291.1	344.7	364.8	320.7	304.5	304.9
67.5°	242.1	235.1	237.2	243.9	253.1	259.8	278.1	295.7	273.5	259.8	259.4
70°	207.2	212.9	216.0	219.9	225.9	224.9	226.6	229.8	228.0	221.3	221.0
72.5°	176.6	185.4	186.1	186.8	188.9	184.0	180.8	175.5	175.9	176.9	177.3
75°	134.3	142.7	144.9	143.8	145.9	139.6	135.3	130.1	123.7	122.7	123.4
77.5°	87.4	94.1	97.3	96.6	97.6	92.7	90.6	84.9	77.5	74.7	74.7
80°	52.9	56.7	59.2	59.9	61.0	57.4	53.9	49.0	45.8	42.6	42.6
82.5°	32.1	34.5	36.3	36.3	37.4	33.5	30.7	27.1	25.7	22.9	22.9
85°	16.2	18.0	18.7	18.3	17.6	14.5	13.4	11.6	10.9	9.5	9.5
87.5°	3.9	4.9	4.9	3.5	3.5	1.8	1.1	0.4	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)