

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: P630294

Luminaire Tested: GWS-SA1D-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630294
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4986.2 lumens
Efficiency: N/A
Efficacy: 112.6 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

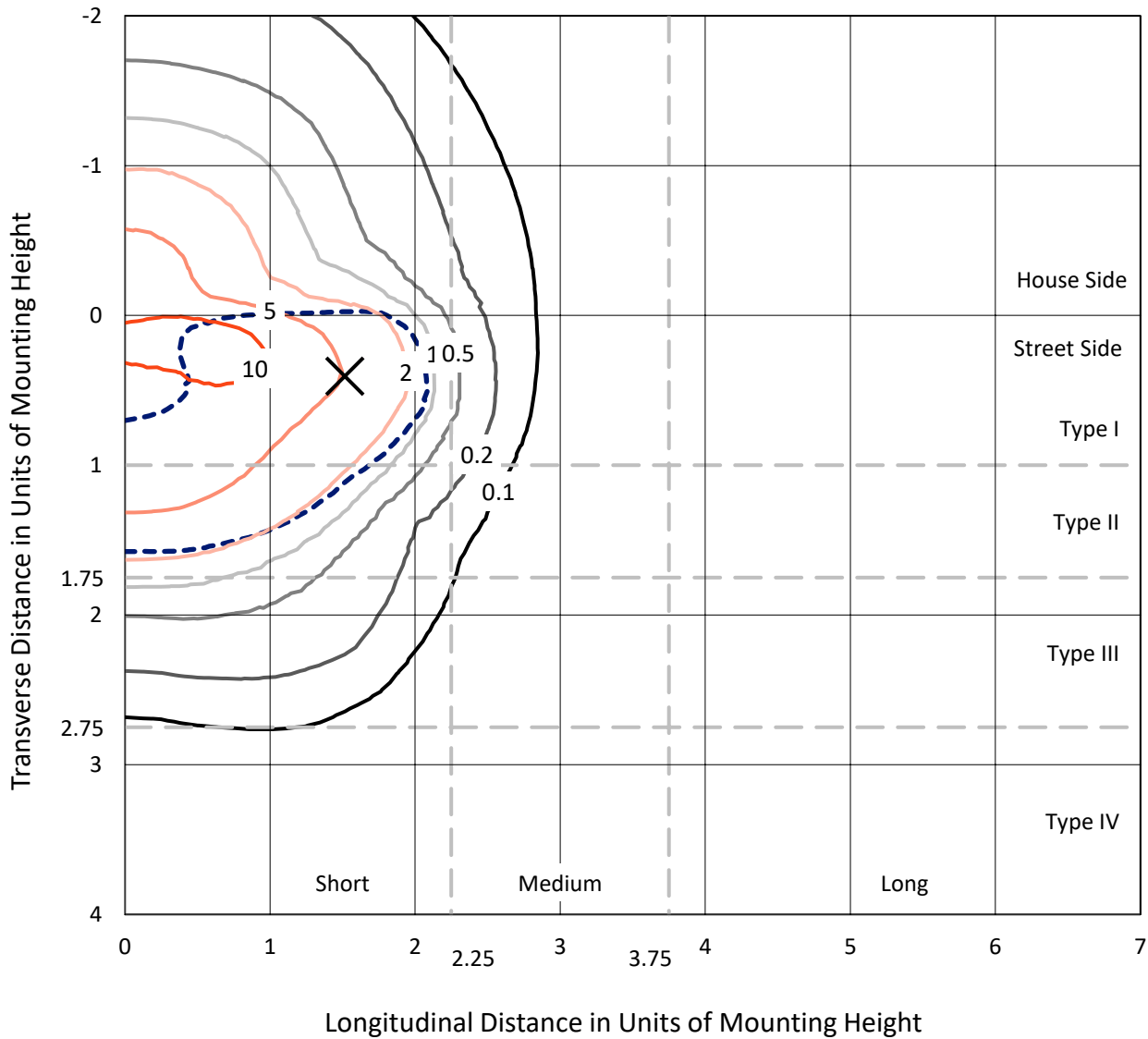
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630294
 CATALOG NUMBER: GWS-SA1D-735-U-T2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

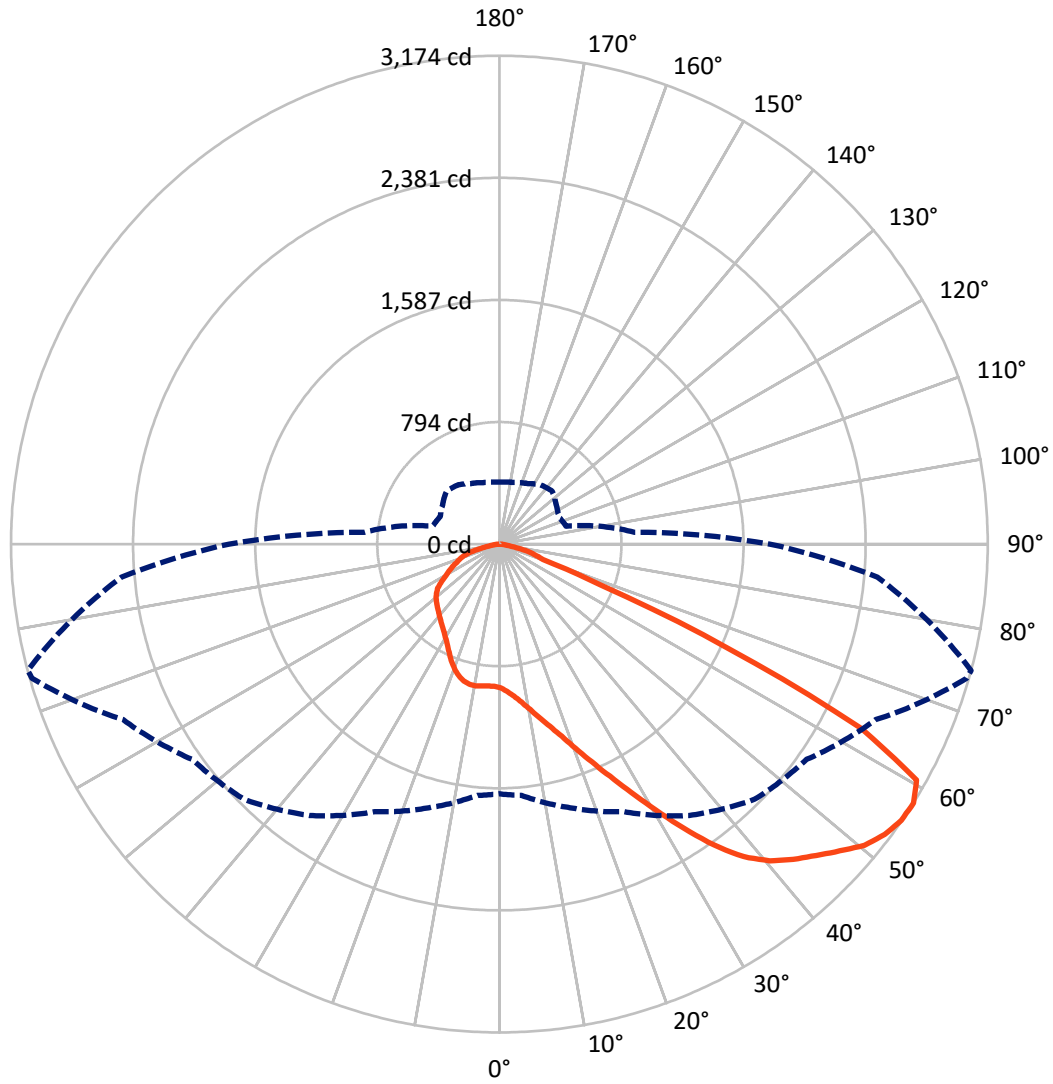
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

REPORT NUMBER: P630294
CATALOG NUMBER: GWS-SA1D-735-U-T2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P630294

CATALOG NUMBER: GWS-SA1D-735-U-T2-W-GRSWH

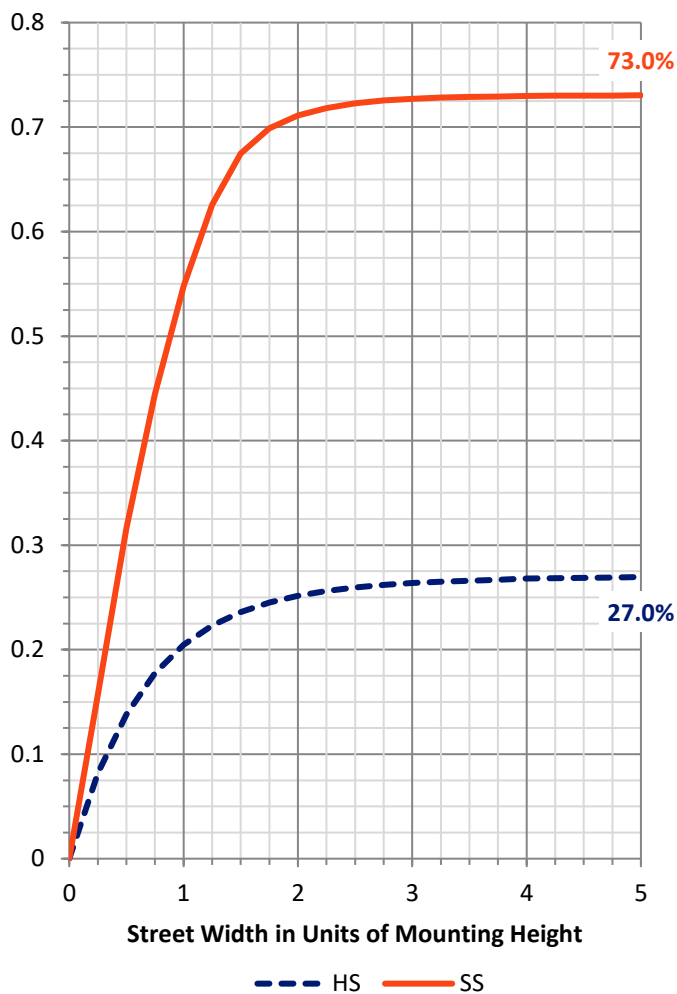
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1348.9	0.0	1348.9
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	3637.3	0.0	3637.3
	% Fixture	72.9	0.0	72.9
Total	Lumens	4986.2	0.0	4986.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	1.9
10°-20°	297.5	6.0
20°-30°	527.6	10.6
30°-40°	807.7	16.2
40°-50°	1124.7	22.6
50°-60°	1288.6	25.8
60°-70°	662.1	13.3
70°-80°	166.7	3.3
80°-90°	17.8	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°	4986.2	100.0
0°-180°	4986.2	100.0

Coefficient of Utilization



REPORT NUMBER: P630294

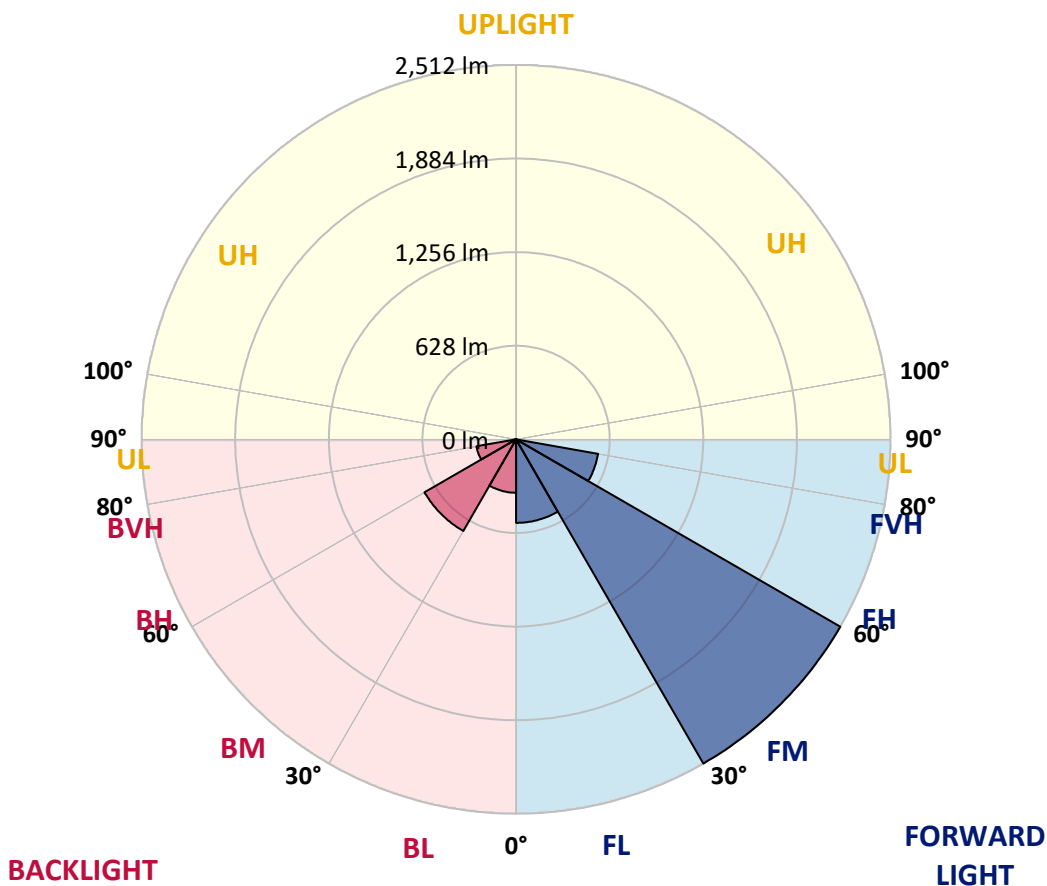
CATALOG NUMBER: GWS-SA1D-735-U-T2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	560.2	11.2			
FM (30°-60°)	2511.6	50.4			
FH (60°-80°)	558.9	11.2			G0/660
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	358.3	7.2	B1/500		
BM (30°-60°)	709.4	14.2	B1/1000		
BH (60°-80°)	269.9	5.4	B1/500		G1/500
BVH (80°-90°)	11.2	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





REPORT NUMBER: P630294

CATALOG NUMBER: GWS-SA1D-735-U-T2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8
2.5°	1003.3	1005.8	1003.3	1007.5	999.0	995.1	985.7	971.5	960.4	958.7	946.2
5°	1081.3	1086.9	1083.4	1081.7	1070.1	1061.6	1047.4	1019.1	996.0	992.5	968.1
7.5°	1131.4	1135.3	1135.3	1136.6	1132.3	1122.4	1107.4	1074.0	1041.4	1036.3	999.4
10°	1148.2	1151.2	1156.7	1167.5	1176.0	1179.0	1169.2	1137.0	1097.1	1092.0	1040.6
12.5°	1152.0	1155.5	1164.0	1183.8	1207.3	1228.8	1230.5	1206.9	1162.3	1156.7	1088.1
15°	1159.3	1162.7	1174.3	1198.8	1233.5	1274.6	1299.9	1283.6	1234.3	1228.3	1142.2
17.5°	1158.5	1162.3	1179.5	1212.0	1258.8	1318.4	1367.3	1374.1	1323.1	1312.8	1203.5
20°	1156.3	1159.7	1178.2	1218.1	1275.9	1357.8	1446.1	1481.7	1426.8	1417.4	1275.1
22.5°	1173.5	1177.3	1191.5	1224.5	1284.9	1388.3	1519.0	1604.8	1549.9	1536.6	1357.4
25°	1212.0	1217.6	1226.2	1248.9	1301.2	1415.3	1593.6	1744.1	1687.9	1672.1	1447.0
27.5°	1271.6	1278.5	1290.5	1301.2	1337.7	1449.6	1667.8	1900.2	1844.0	1827.3	1541.7
30°	1344.5	1353.5	1369.0	1376.3	1401.1	1500.2	1748.4	2061.0	2028.4	2005.2	1648.5
32.5°	1445.3	1457.7	1472.3	1474.4	1489.4	1576.9	1828.1	2220.4	2220.0	2203.7	1769.8
35°	1576.5	1589.8	1592.8	1595.8	1603.1	1682.4	1924.6	2365.8	2422.0	2403.1	1901.9
37.5°	1719.7	1739.0	1743.7	1730.4	1740.7	1809.3	2033.1	2482.4	2597.7	2577.6	2029.7
40°	1872.7	1880.5	1893.3	1872.3	1885.2	1954.6	2139.4	2557.0	2728.9	2707.5	2130.4
42.5°	1982.5	1996.6	2015.9	2008.2	2015.5	2079.0	2214.0	2593.0	2822.4	2801.0	2202.9
45°	2101.7	2106.0	2118.4	2116.7	2121.0	2180.1	2267.6	2608.9	2906.0	2886.7	2264.6
47.5°	2205.4	2211.9	2220.0	2210.6	2201.2	2239.7	2311.3	2622.6	3002.5	2979.3	2329.3
50°	2305.3	2310.9	2320.8	2293.3	2258.2	2268.0	2332.8	2641.5	3092.9	3076.6	2380.4
52.5°	2323.8	2329.8	2376.1	2381.7	2336.6	2301.9	2370.5	2683.1	3146.1	3135.8	2398.8
55°	2091.8	2102.5	2194.7	2300.6	2411.7	2400.5	2431.0	2704.9	3167.1	3169.7	2431.8
57.5°	1623.6	1639.1	1773.7	1919.0	2152.7	2346.1	2438.7	2699.3	3159.8	3174.0	2465.7
60°	1065.0	1074.0	1233.5	1396.4	1638.6	1906.2	2182.7	2599.0	3095.1	3115.2	2457.1
62.5°	643.1	653.4	781.6	905.1	1047.8	1226.6	1480.4	2088.8	2594.3	2639.3	1967.9
65°	448.9	462.6	574.9	676.6	725.9	689.0	749.9	1166.6	1616.3	1635.2	1202.6
67.5°	325.4	334.8	427.0	547.9	602.4	486.6	370.9	516.6	704.0	710.9	496.1
70°	213.1	223.8	307.4	417.2	491.8	394.4	277.4	279.5	296.3	299.7	288.1
72.5°	117.0	123.5	189.9	277.0	290.7	235.8	216.5	232.4	244.0	244.0	247.0
75°	60.5	66.0	77.6	91.3	110.2	129.1	156.1	179.6	192.1	192.9	191.6
77.5°	30.9	33.0	41.6	45.0	49.3	57.5	74.6	95.6	106.8	111.0	110.2
80°	14.6	15.4	17.6	20.6	25.3	32.2	40.3	48.0	54.9	55.7	60.5
82.5°	7.7	8.6	9.4	11.1	13.7	17.1	23.6	28.3	32.6	33.4	37.3
85°	3.0	3.4	3.9	4.3	6.0	7.3	9.9	13.3	16.3	16.3	19.3
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.7	2.1	3.0	3.0	5.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P630294
 CATALOG NUMBER: GWS-SA1D-735-U-T2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8	933.8
2.5°	943.2	930.8	925.2	916.2	908.9	900.8	894.4	889.6	886.6	884.9	883.2
5°	958.7	939.8	924.8	906.8	894.4	882.3	872.5	865.6	862.2	859.6	857.9
7.5°	982.7	957.4	929.1	901.2	879.3	860.1	847.6	840.3	835.6	833.9	832.6
10°	1015.7	980.5	933.8	889.6	857.1	836.0	827.5	824.0	824.5	823.6	823.2
12.5°	1053.0	1005.0	932.5	869.1	833.0	820.6	821.0	826.6	833.0	834.8	835.2
15°	1093.3	1029.0	920.1	842.5	814.2	815.5	826.6	839.9	851.9	856.6	857.5
17.5°	1137.0	1049.1	897.4	813.3	798.7	812.5	833.0	854.9	872.5	880.2	882.3
20°	1185.9	1066.3	865.2	784.6	784.2	806.9	836.9	865.6	887.9	898.2	899.9
22.5°	1237.8	1077.0	825.8	758.0	769.2	799.6	833.9	863.9	887.5	897.8	899.9
25°	1290.1	1080.4	782.5	733.6	753.7	788.0	819.3	843.3	865.6	874.6	876.3
27.5°	1339.0	1070.6	741.3	712.6	739.6	770.9	791.9	804.7	820.2	827.0	828.3
30°	1388.7	1050.8	706.6	695.8	723.7	747.3	756.7	757.6	763.6	763.6	764.4
32.5°	1438.9	1021.7	676.1	679.6	704.0	719.4	720.7	710.9	703.6	691.6	691.1
35°	1496.7	992.1	651.3	661.1	680.8	690.3	686.4	667.5	650.0	630.2	629.4
37.5°	1550.3	961.7	630.2	642.3	654.7	661.5	652.5	629.8	615.2	595.1	592.1
40°	1594.5	934.2	610.1	622.5	628.5	634.5	620.0	601.5	603.7	592.5	592.1
42.5°	1620.2	907.6	591.2	600.7	604.5	608.8	595.9	582.2	593.8	585.2	585.7
45°	1639.1	884.5	574.1	577.5	586.9	593.4	581.4	565.9	568.5	535.5	527.8
47.5°	1660.5	871.6	557.8	554.4	571.1	582.2	563.8	541.5	526.1	493.5	490.5
50°	1683.2	866.9	540.6	531.2	551.4	562.1	540.6	512.8	492.6	475.0	473.3
52.5°	1691.0	866.5	519.2	503.3	523.5	538.5	520.5	492.2	468.2	451.0	450.2
55°	1721.4	878.9	491.8	465.2	484.0	514.9	501.6	460.9	441.6	433.9	433.0
57.5°	1757.0	881.1	448.5	423.6	449.7	486.2	469.5	434.3	413.3	403.9	403.0
60°	1742.4	828.3	402.2	391.9	420.6	459.2	443.7	413.3	388.9	379.9	379.0
62.5°	1327.8	584.8	368.3	364.4	389.3	420.2	417.2	385.4	362.3	355.9	355.0
65°	798.7	410.7	335.7	335.3	352.9	382.4	386.3	360.6	336.1	327.1	327.1
67.5°	394.9	314.3	298.8	296.7	307.8	328.8	345.1	324.1	303.5	295.0	293.7
70°	279.1	277.0	271.8	265.8	268.0	276.5	283.4	265.8	244.0	235.4	233.7
72.5°	241.4	241.8	238.4	233.7	231.9	225.9	219.9	207.1	193.8	184.8	185.6
75°	187.4	188.2	190.4	188.6	183.9	177.5	171.1	154.8	144.1	135.5	133.8
77.5°	109.3	113.6	120.5	118.8	119.6	110.6	108.0	92.2	82.3	76.3	75.0
80°	61.7	64.3	67.3	69.5	66.9	63.0	57.5	48.9	45.9	41.6	40.7
82.5°	37.3	39.9	41.2	42.9	42.0	36.9	32.6	27.0	24.4	22.3	21.9
85°	18.9	20.6	21.9	22.7	20.2	16.7	15.0	12.0	10.3	9.0	9.0
87.5°	4.7	5.1	6.0	5.1	4.7	2.1	1.7	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)