

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: P630349

Luminaire Tested: GWS-SA1D-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630349
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5055.5 lumens
Efficiency: N/A
Efficacy: 114.1 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

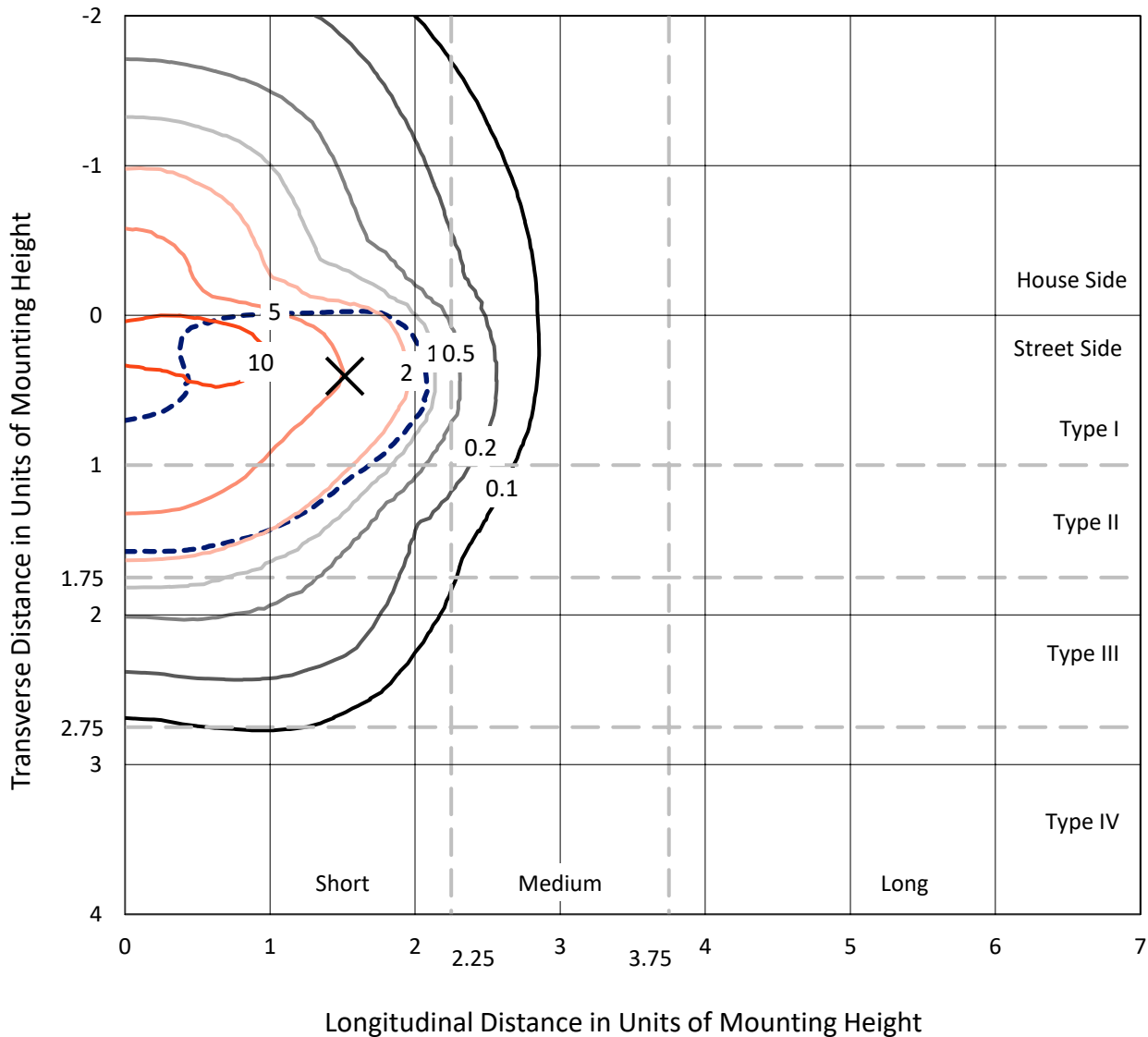
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

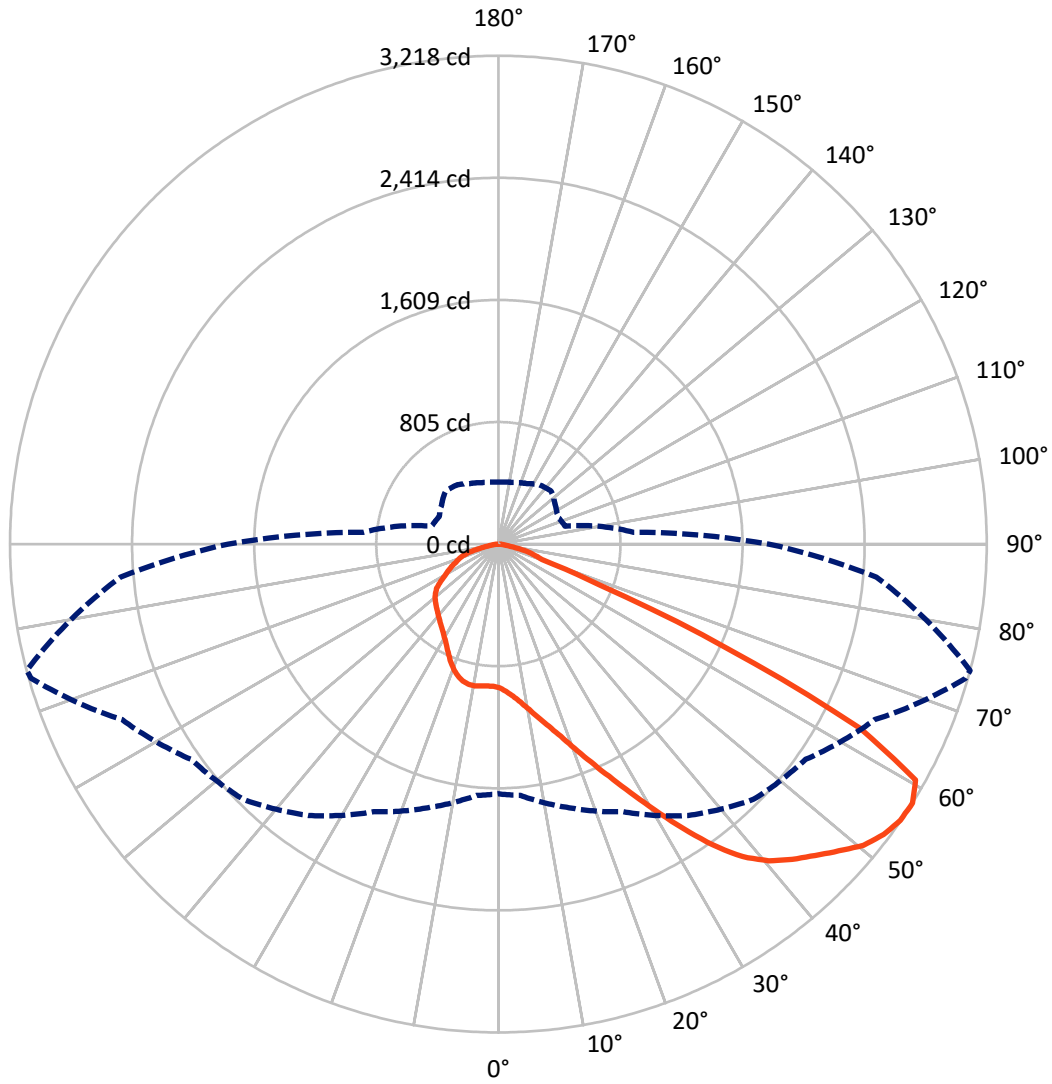
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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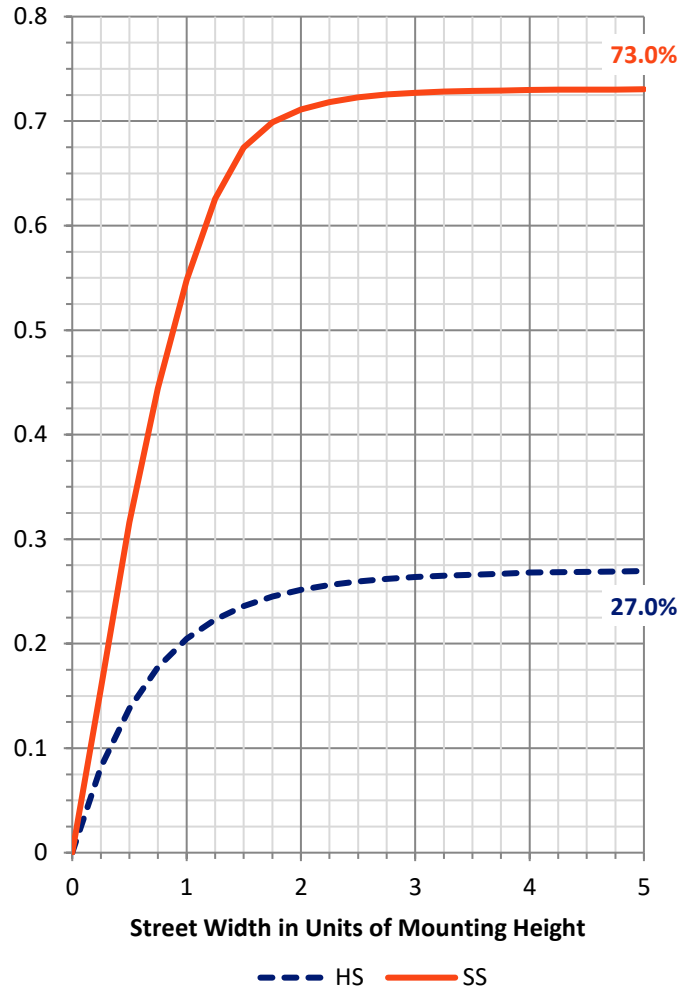
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1367.6	0.0	1367.6
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	3687.9	0.0	3687.9
	% Fixture	72.9	0.0	72.9
Total	Lumens	5055.5	0.0	5055.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.9
10°-20°	301.6	6.0
20°-30°	535.0	10.6
30°-40°	818.9	16.2
40°-50°	1140.3	22.6
50°-60°	1306.5	25.8
60°-70°	671.3	13.3
70°-80°	169.0	3.3
80°-90°	18.1	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°	5055.5	100.0
0°-180°	5055.5	100.0

Coefficient of Utilization



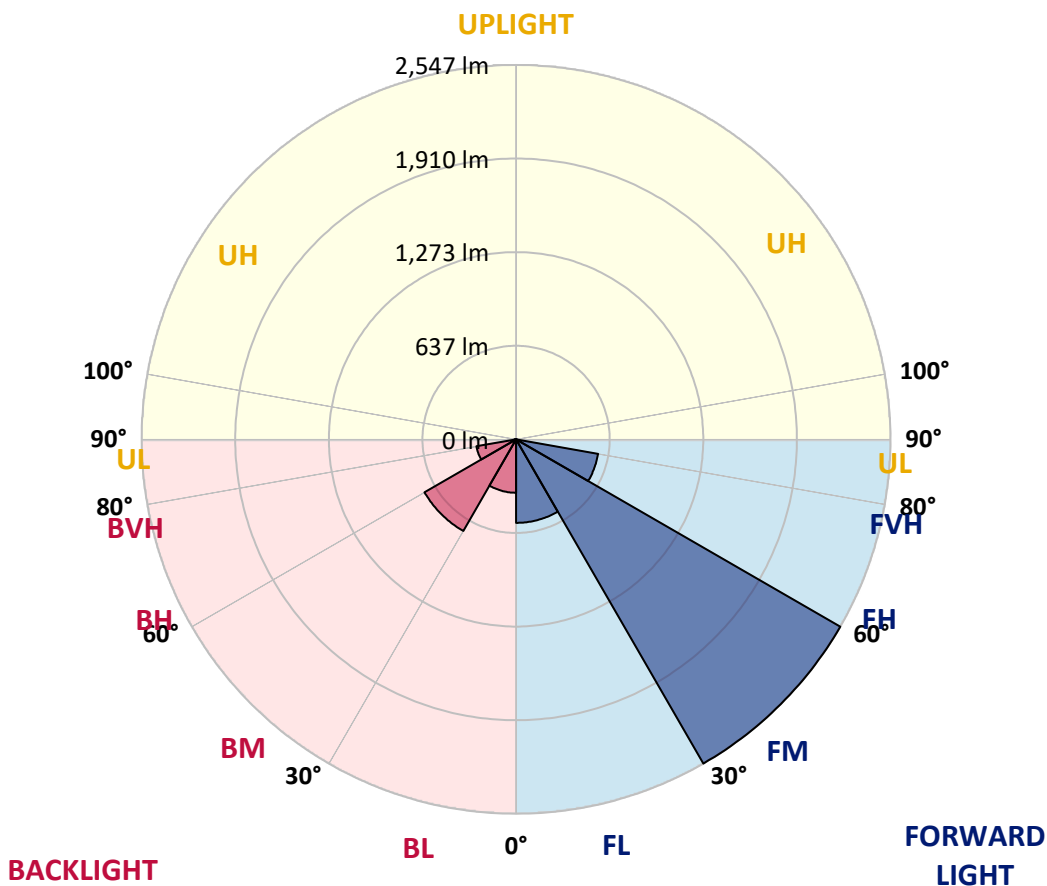
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	568.0	11.2			
FM (30°-60°)	2546.5	50.4			
FH (60°-80°)	566.7	11.2			G0/660
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	363.3	7.2	B1/500		
BM (30°-60°)	719.2	14.2	B1/1000		
BH (60°-80°)	273.7	5.4	B1/500		G1/500
BVH (80°-90°)	11.4	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°	74°	75°	85°
0°	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8
2.5°	1017.2	1019.8	1017.2	1021.5	1012.8	1008.9	999.4	985.0	973.7	972.0	959.4
5°	1096.3	1102.0	1098.5	1096.7	1085.0	1076.3	1062.0	1033.3	1009.8	1006.3	981.5
7.5°	1147.2	1151.1	1151.1	1152.4	1148.0	1138.0	1122.8	1088.9	1055.9	1050.7	1013.3
10°	1164.1	1167.2	1172.8	1183.7	1192.4	1195.4	1185.4	1152.8	1112.4	1107.2	1055.0
12.5°	1168.0	1171.5	1180.2	1200.2	1224.1	1245.8	1247.6	1223.7	1178.5	1172.8	1103.3
15°	1175.4	1178.9	1190.6	1215.4	1250.6	1292.4	1318.0	1301.5	1251.5	1245.4	1158.0
17.5°	1174.6	1178.5	1195.9	1228.9	1276.3	1336.7	1386.3	1393.2	1341.5	1331.0	1220.2
20°	1172.4	1175.9	1194.6	1235.0	1293.7	1376.7	1466.2	1502.3	1446.7	1437.1	1292.8
22.5°	1189.8	1193.7	1208.0	1241.5	1302.8	1407.6	1540.1	1627.1	1571.4	1558.0	1376.3
25°	1228.9	1234.5	1243.2	1266.3	1319.3	1434.9	1615.8	1768.4	1711.4	1695.3	1467.1
27.5°	1289.3	1296.3	1308.4	1319.3	1356.3	1469.7	1691.0	1926.6	1869.6	1852.7	1563.2
30°	1363.2	1372.3	1388.0	1395.4	1420.6	1521.0	1772.7	2089.6	2056.6	2033.1	1671.4
32.5°	1465.4	1478.0	1492.8	1494.9	1510.1	1598.8	1853.6	2251.3	2250.9	2234.4	1794.4
35°	1598.4	1611.9	1614.9	1617.9	1625.3	1705.8	1951.4	2398.7	2455.6	2436.5	1928.3
37.5°	1743.6	1763.1	1767.9	1754.4	1764.9	1834.4	2061.3	2516.9	2633.8	2613.4	2057.9
40°	1898.8	1906.6	1919.6	1898.3	1911.4	1981.8	2169.1	2592.5	2766.9	2745.1	2160.0
42.5°	2010.0	2024.4	2044.0	2036.1	2043.5	2107.9	2244.8	2629.1	2861.6	2839.9	2233.5
45°	2130.9	2135.2	2147.8	2146.1	2150.5	2210.4	2299.1	2645.1	2946.4	2926.8	2296.1
47.5°	2236.1	2242.6	2250.9	2241.3	2231.7	2270.9	2343.5	2659.1	3044.2	3020.7	2361.7
50°	2337.4	2343.0	2353.0	2325.2	2289.6	2299.6	2365.2	2678.2	3135.9	3119.4	2413.4
52.5°	2356.1	2362.2	2409.1	2414.8	2369.1	2333.9	2403.4	2720.3	3189.8	3179.4	2432.1
55°	2120.9	2131.8	2225.2	2332.6	2445.2	2433.9	2464.7	2742.5	3211.1	3213.7	2465.6
57.5°	1646.2	1661.9	1798.3	1945.7	2182.6	2378.7	2472.6	2736.9	3203.7	3218.1	2500.0
60°	1079.8	1088.9	1250.6	1415.8	1661.4	1932.7	2213.1	2635.1	3138.1	3158.5	2491.3
62.5°	652.0	662.5	792.5	917.6	1062.4	1243.7	1501.0	2117.9	2630.4	2676.0	1995.3
65°	455.1	469.0	582.9	686.0	735.9	698.6	760.3	1182.8	1638.8	1657.9	1219.3
67.5°	329.9	339.5	433.0	555.5	610.8	493.4	376.0	523.8	713.8	720.7	502.9
70°	216.0	226.9	311.7	423.0	498.6	399.9	281.3	283.4	300.4	303.9	292.1
72.5°	118.7	125.2	192.6	280.8	294.7	239.1	219.5	235.6	247.3	247.3	250.4
75°	61.3	66.9	78.7	92.6	111.7	130.8	158.2	182.1	194.7	195.6	194.3
77.5°	31.3	33.5	42.2	45.6	50.0	58.2	75.6	96.9	108.2	112.6	111.7
80°	14.8	15.6	17.8	20.9	25.6	32.6	40.9	48.7	55.6	56.5	61.3
82.5°	7.8	8.7	9.6	11.3	13.9	17.4	23.9	28.7	33.0	33.9	37.8
85°	3.0	3.5	3.9	4.3	6.1	7.4	10.0	13.5	16.5	16.5	19.6
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.7	2.2	3.0	3.0	5.2
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°	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8	946.8
2.5°	956.3	943.7	938.1	929.0	921.6	913.3	906.8	902.0	899.0	897.2	895.5
5°	972.0	952.9	937.6	919.4	906.8	894.6	884.6	877.7	874.2	871.6	869.8
7.5°	996.3	970.7	942.0	913.7	891.6	872.0	859.4	852.0	847.2	845.5	844.2
10°	1029.8	994.2	946.8	902.0	869.0	847.7	839.0	835.5	835.9	835.1	834.6
12.5°	1067.6	1018.9	945.5	881.1	844.6	832.0	832.4	838.1	844.6	846.4	846.8
15°	1108.5	1043.3	932.9	854.2	825.5	826.8	838.1	851.6	863.7	868.5	869.4
17.5°	1152.8	1063.7	909.8	824.6	809.8	823.8	844.6	866.8	884.6	892.4	894.6
20°	1202.4	1081.1	877.2	795.5	795.1	818.1	848.5	877.7	900.3	910.7	912.4
22.5°	1255.0	1092.0	837.2	768.5	779.8	810.7	845.5	875.9	899.8	910.3	912.4
25°	1308.0	1095.4	793.3	743.8	764.2	799.0	830.7	855.1	877.7	886.8	888.5
27.5°	1357.6	1085.4	751.6	722.5	749.9	781.6	802.9	815.9	831.6	838.5	839.8
30°	1408.0	1065.4	716.4	705.5	733.8	757.7	767.2	768.1	774.2	774.2	775.1
32.5°	1458.8	1035.9	685.5	689.0	713.8	729.4	730.7	720.7	713.3	701.2	700.7
35°	1517.5	1005.9	660.3	670.3	690.3	699.9	696.0	676.8	659.0	639.0	638.1
37.5°	1571.9	975.0	639.0	651.2	663.8	670.7	661.6	638.6	623.8	603.4	600.3
40°	1616.6	947.2	618.6	631.2	637.3	643.4	628.6	609.9	612.1	600.8	600.3
42.5°	1642.7	920.3	599.4	609.0	612.9	617.3	604.2	590.3	602.1	593.4	593.8
45°	1661.9	896.8	582.1	585.5	595.1	601.6	589.5	573.8	576.4	542.9	535.1
47.5°	1683.6	883.7	565.5	562.1	579.0	590.3	571.6	549.0	533.4	500.3	497.3
50°	1706.6	879.0	548.2	538.6	559.0	569.9	548.2	519.9	499.5	481.6	479.9
52.5°	1714.5	878.5	526.4	510.3	530.8	546.0	527.7	499.0	474.7	457.3	456.4
55°	1745.3	891.1	498.6	471.6	490.8	522.1	508.6	467.3	447.7	439.9	439.0
57.5°	1781.4	893.3	454.7	429.5	456.0	492.9	476.0	440.3	419.0	409.5	408.6
60°	1766.6	839.8	407.7	397.3	426.4	465.6	449.9	419.0	394.3	385.1	384.3
62.5°	1346.3	592.9	373.4	369.5	394.7	426.0	423.0	390.8	367.3	360.8	359.9
65°	809.8	416.4	340.4	339.9	357.8	387.8	391.7	365.6	340.8	331.7	331.7
67.5°	400.4	318.6	303.0	300.8	312.1	333.4	349.9	328.6	307.8	299.1	297.8
70°	283.0	280.8	275.6	269.5	271.7	280.4	287.3	269.5	247.3	238.6	236.9
72.5°	244.7	245.2	241.7	236.9	235.2	229.1	223.0	210.0	196.5	187.4	188.2
75°	190.0	190.8	193.0	191.3	186.5	180.0	173.4	156.9	146.1	137.4	135.6
77.5°	110.8	115.2	122.2	120.4	121.3	112.2	109.5	93.5	83.5	77.4	76.1
80°	62.6	65.2	68.2	70.4	67.8	63.9	58.2	49.6	46.5	42.2	41.3
82.5°	37.8	40.4	41.7	43.5	42.6	37.4	33.0	27.4	24.8	22.6	22.2
85°	19.1	20.9	22.2	23.0	20.4	17.0	15.2	12.2	10.4	9.1	9.1
87.5°	4.8	5.2	6.1	5.2	4.8	2.2	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)