

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: P630459

Luminaire Tested: GWS-SA1D-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630459
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5100.5 lumens
Efficiency: N/A
Efficacy: 115.1 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

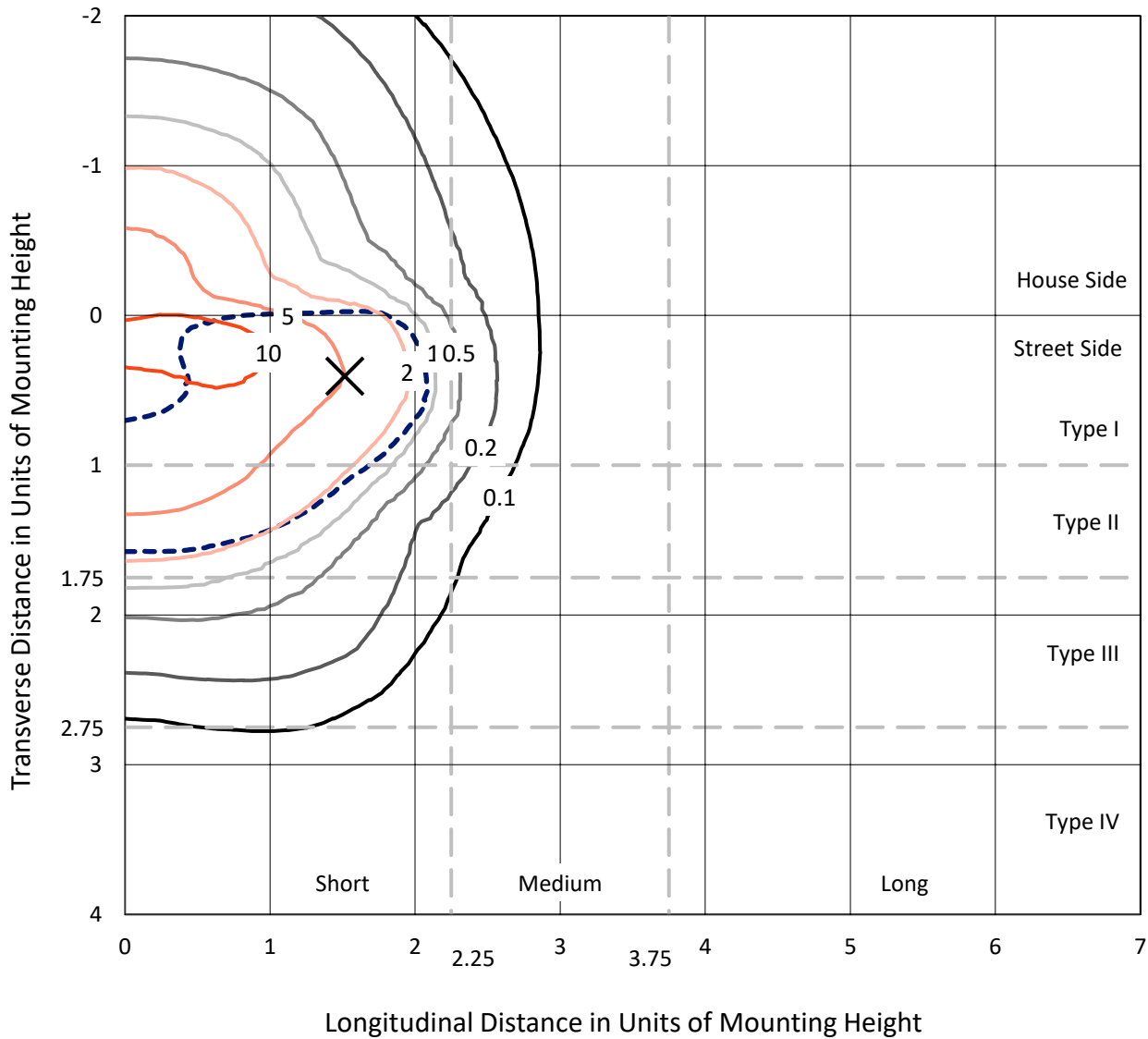
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

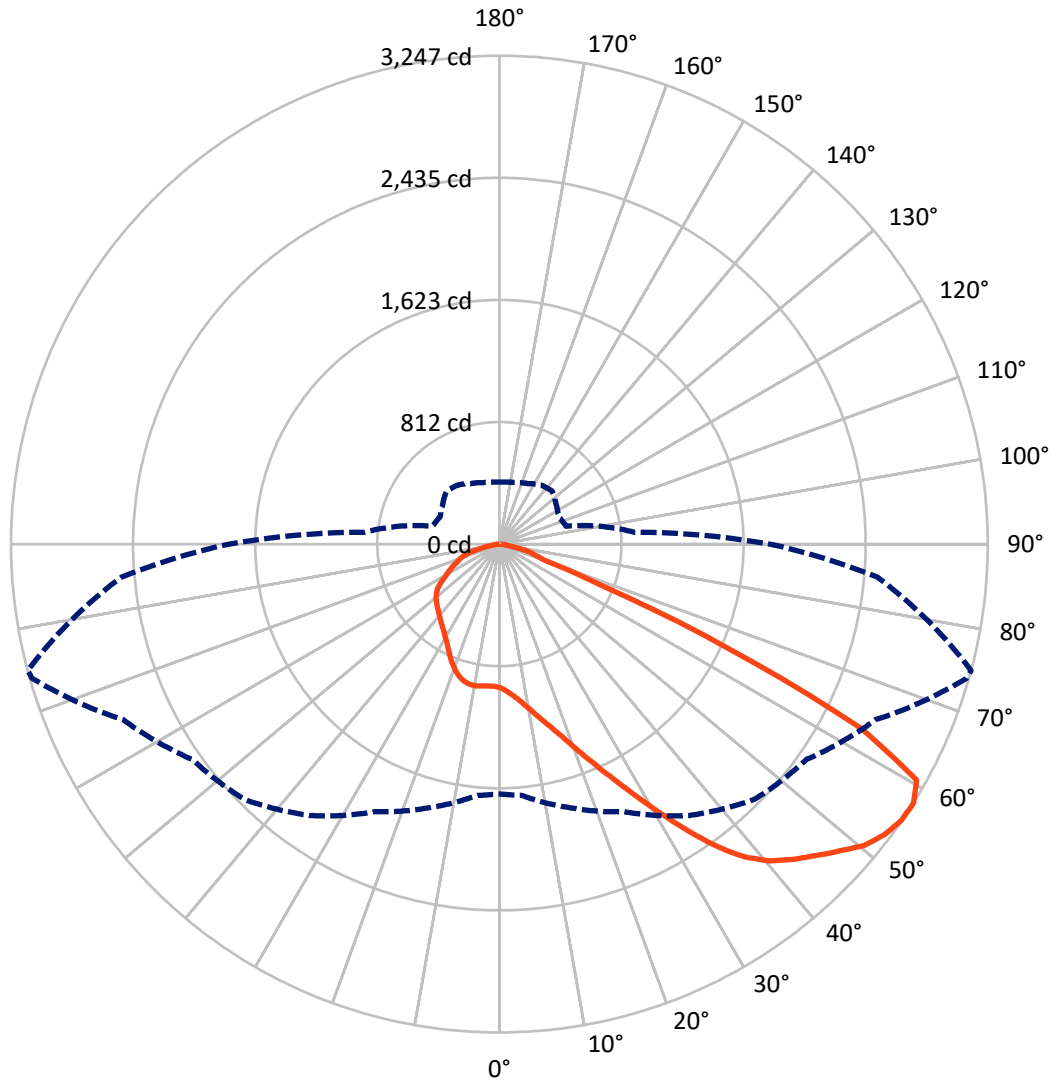
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 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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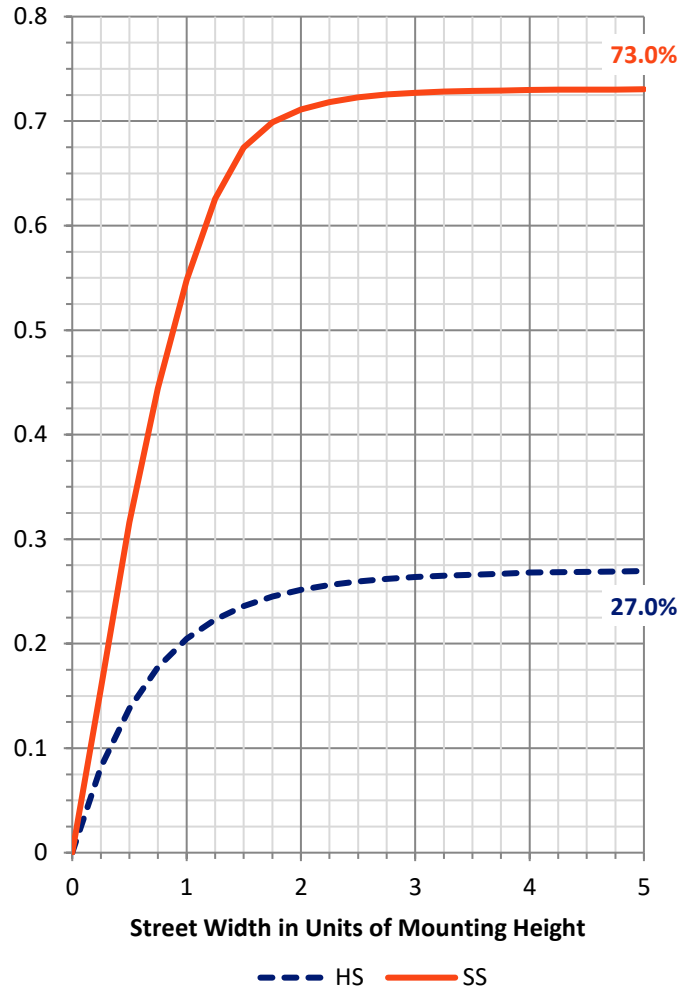
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1379.8	0.0	1379.8
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	3720.7	0.0	3720.7
	% Fixture	72.9	0.0	72.9
Total	Lumens	5100.5	0.0	5100.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	1.9
10°-20°	304.3	6.0
20°-30°	539.7	10.6
30°-40°	826.2	16.2
40°-50°	1150.4	22.6
50°-60°	1318.2	25.8
60°-70°	677.3	13.3
70°-80°	170.5	3.3
80°-90°	18.2	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°	5100.5	100.0
0°-180°	5100.5	100.0

Coefficient of Utilization



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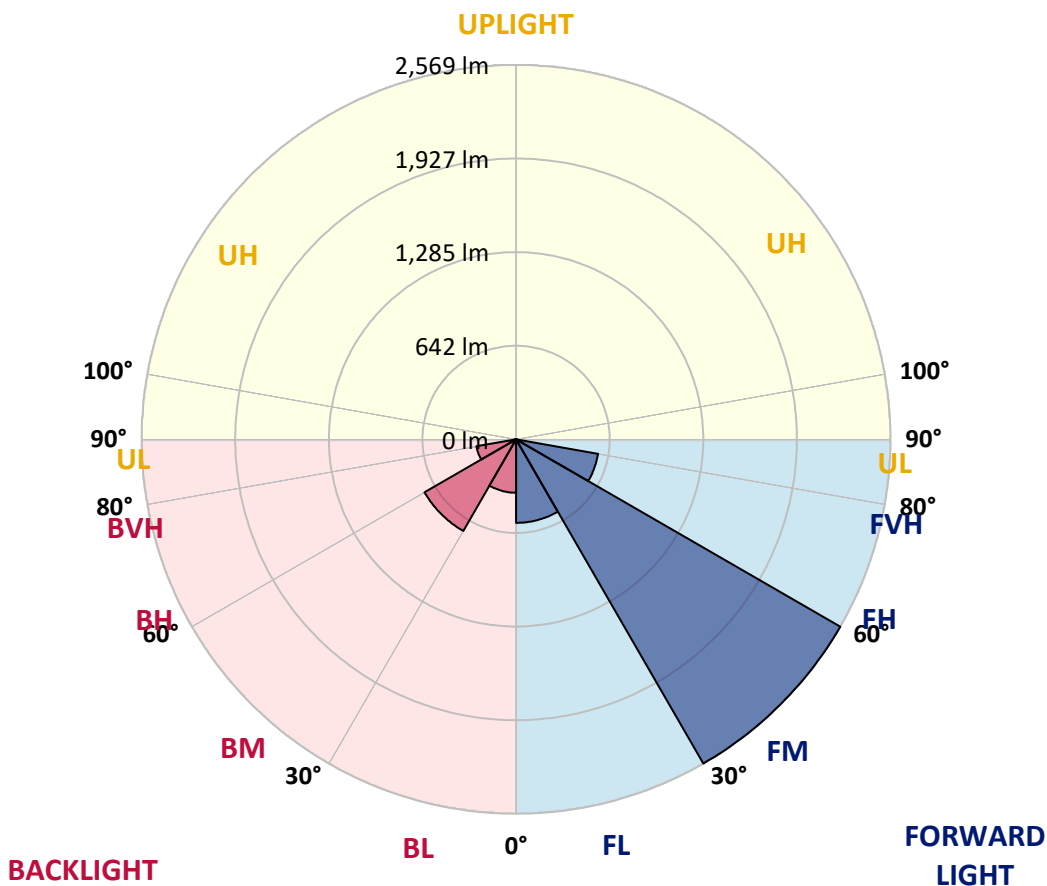
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	573.1	11.2			
FM (30°-60°)	2569.2	50.4			
FH (60°-80°)	571.7	11.2			G0/660
FVH (80°-90°)	6.7	0.1			G0/10
BL (0°-30°)	366.6	7.2	B1/500		
BM (30°-60°)	725.6	14.2	B1/1000		
BH (60°-80°)	276.1	5.4	B1/500		G1/500
BVH (80°-90°)	11.5	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°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	1026.2	1028.9	1026.2	1030.6	1021.9	1017.9	1008.3	993.8	982.4	980.6	967.9
5°	1106.1	1111.8	1108.3	1106.5	1094.7	1085.9	1071.4	1042.5	1018.8	1015.3	990.3
7.5°	1157.4	1161.3	1161.3	1162.6	1158.3	1148.2	1132.8	1098.6	1065.3	1060.0	1022.3
10°	1174.5	1177.6	1183.3	1194.2	1203.0	1206.1	1196.0	1163.1	1122.3	1117.0	1064.4
12.5°	1178.4	1181.9	1190.7	1210.9	1235.0	1256.9	1258.7	1234.6	1189.0	1183.3	1113.1
15°	1185.9	1189.4	1201.2	1226.2	1261.8	1303.9	1329.7	1313.1	1262.6	1256.5	1168.3
17.5°	1185.0	1189.0	1206.5	1239.8	1287.6	1348.6	1398.6	1405.6	1353.4	1342.9	1231.1
20°	1182.8	1186.3	1205.2	1246.0	1305.2	1388.9	1479.3	1515.7	1459.6	1449.9	1304.3
22.5°	1200.4	1204.3	1218.8	1252.6	1314.4	1420.1	1553.8	1641.6	1585.4	1571.8	1388.5
25°	1239.8	1245.5	1254.3	1277.5	1331.1	1447.7	1630.2	1784.1	1726.6	1710.4	1480.2
27.5°	1300.8	1307.8	1320.1	1331.1	1368.3	1482.8	1706.0	1943.7	1886.3	1869.2	1577.1
30°	1375.3	1384.6	1400.3	1407.8	1433.2	1534.5	1788.5	2108.2	2074.9	2051.2	1686.3
32.5°	1478.4	1491.1	1506.0	1508.2	1523.6	1613.1	1870.1	2271.3	2270.9	2254.2	1810.4
35°	1612.6	1626.2	1629.3	1632.4	1639.8	1720.9	1968.7	2420.0	2477.5	2458.2	1945.5
37.5°	1759.1	1778.8	1783.7	1770.1	1780.6	1850.8	2079.7	2539.3	2657.3	2636.7	2076.2
40°	1915.7	1923.6	1936.7	1915.2	1928.4	1999.4	2188.5	2615.6	2791.5	2769.6	2179.2
42.5°	2027.9	2042.4	2062.1	2054.3	2061.7	2126.6	2264.8	2652.5	2887.1	2865.2	2253.4
45°	2149.9	2154.2	2167.0	2165.2	2169.6	2230.1	2319.6	2668.7	2972.6	2952.9	2316.5
47.5°	2256.0	2262.6	2270.9	2261.3	2251.6	2291.1	2364.3	2682.7	3071.3	3047.6	2382.7
50°	2358.2	2363.9	2374.0	2345.9	2309.9	2320.0	2386.2	2702.0	3163.8	3147.2	2434.9
52.5°	2377.0	2383.2	2430.5	2436.2	2390.2	2354.7	2424.8	2744.6	3218.2	3207.7	2453.8
55°	2139.8	2150.7	2245.0	2353.4	2466.9	2455.5	2486.7	2766.9	3239.7	3242.3	2487.6
57.5°	1660.9	1676.6	1814.4	1963.0	2202.1	2399.8	2494.6	2761.2	3232.2	3246.7	2522.2
60°	1089.4	1098.6	1261.8	1428.4	1676.2	1949.9	2232.7	2658.6	3166.0	3186.6	2513.4
62.5°	657.9	668.4	799.5	925.8	1071.9	1254.7	1514.4	2136.7	2653.8	2699.8	2013.0
65°	459.2	473.2	588.1	692.1	742.5	704.8	767.1	1193.3	1653.4	1672.7	1230.2
67.5°	332.9	342.5	436.8	560.5	616.2	497.8	379.4	528.5	720.1	727.1	507.4
70°	218.0	228.9	314.5	426.7	503.0	403.5	283.8	285.9	303.1	306.6	294.7
72.5°	119.7	126.3	194.3	283.3	297.3	241.2	221.5	237.7	249.5	249.5	252.6
75°	61.8	67.5	79.4	93.4	112.7	132.0	159.6	183.8	196.5	197.4	196.0
77.5°	31.6	33.8	42.5	46.0	50.4	58.8	76.3	97.8	109.2	113.6	112.7
80°	14.9	15.8	18.0	21.1	25.9	32.9	41.2	49.1	56.1	57.0	61.8
82.5°	7.9	8.8	9.6	11.4	14.0	17.5	24.1	28.9	33.3	34.2	38.2
85°	3.1	3.5	3.9	4.4	6.1	7.5	10.1	13.6	16.7	16.7	19.7
87.5°	0.0	0.0	0.0	0.0	0.4	0.9	1.8	2.2	3.1	3.1	5.3
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°	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2	955.2
2.5°	964.8	952.1	946.4	937.2	929.8	921.4	914.9	910.0	907.0	905.2	903.5
5°	980.6	961.3	946.0	927.6	914.9	902.6	892.5	885.5	882.0	879.3	877.6
7.5°	1005.2	979.3	950.4	921.9	899.5	879.8	867.0	859.6	854.8	853.0	851.7
10°	1039.0	1003.0	955.2	910.0	876.7	855.2	846.4	842.9	843.4	842.5	842.1
12.5°	1077.1	1028.0	953.9	889.0	852.1	839.4	839.9	845.6	852.1	853.9	854.3
15°	1118.3	1052.6	941.2	861.8	832.8	834.2	845.6	859.2	871.4	876.3	877.1
17.5°	1163.1	1073.2	917.9	832.0	817.1	831.1	852.1	874.5	892.5	900.4	902.6
20°	1213.1	1090.7	885.0	802.6	802.1	825.4	856.1	885.5	908.3	918.8	920.6
22.5°	1266.1	1101.7	844.7	775.4	786.8	817.9	853.0	883.7	907.8	918.4	920.6
25°	1319.7	1105.2	800.4	750.4	771.0	806.1	838.1	862.7	885.5	894.7	896.4
27.5°	1369.6	1095.1	758.3	728.9	756.5	788.5	810.0	823.2	839.0	846.0	847.3
30°	1420.5	1074.9	722.8	711.8	740.3	764.4	774.1	774.9	781.1	781.1	782.0
32.5°	1471.8	1045.1	691.6	695.1	720.1	735.9	737.2	727.1	719.7	707.4	707.0
35°	1531.0	1014.8	666.2	676.3	696.4	706.1	702.1	682.9	664.9	644.7	643.8
37.5°	1585.9	983.7	644.7	657.0	669.7	676.7	667.5	644.3	629.3	608.7	605.7
40°	1631.0	955.6	624.1	636.8	642.9	649.1	634.2	615.3	617.5	606.1	605.7
42.5°	1657.3	928.4	604.8	614.4	618.4	622.8	609.6	595.6	607.4	598.6	599.1
45°	1676.6	904.8	587.2	590.8	600.4	607.0	594.7	578.9	581.5	547.8	539.9
47.5°	1698.6	891.6	570.6	567.1	584.2	595.6	576.7	553.9	538.1	504.8	501.7
50°	1721.8	886.8	553.0	543.4	564.0	575.0	553.0	524.5	503.9	485.9	484.2
52.5°	1729.7	886.3	531.1	514.9	535.5	550.8	532.4	503.5	478.9	461.4	460.5
55°	1760.9	899.1	503.0	475.8	495.1	526.7	513.1	471.5	451.7	443.8	443.0
57.5°	1797.3	901.3	458.7	433.3	460.1	497.3	480.2	444.3	422.8	413.1	412.3
60°	1782.3	847.3	411.4	400.9	430.2	469.7	453.9	422.8	397.8	388.6	387.7
62.5°	1358.2	598.2	376.7	372.8	398.2	429.8	426.7	394.3	370.6	364.0	363.1
65°	817.1	420.1	343.4	343.0	360.9	391.2	395.1	368.8	343.8	334.6	334.6
67.5°	403.9	321.5	305.7	303.5	314.9	336.4	353.0	331.6	310.5	301.7	300.4
70°	285.5	283.3	278.1	271.9	274.1	282.9	289.9	271.9	249.5	240.8	239.0
72.5°	246.9	247.4	243.8	239.0	237.3	231.1	225.0	211.8	198.2	189.0	189.9
75°	191.7	192.5	194.7	193.0	188.1	181.6	175.0	158.3	147.4	138.6	136.8
77.5°	111.8	116.2	123.2	121.5	122.4	113.2	110.5	94.3	84.2	78.1	76.7
80°	63.2	65.8	68.9	71.0	68.4	64.5	58.8	50.0	46.9	42.5	41.7
82.5°	38.2	40.8	42.1	43.9	43.0	37.7	33.3	27.6	25.0	22.8	22.4
85°	19.3	21.1	22.4	23.2	20.6	17.1	15.3	12.3	10.5	9.2	9.2
87.5°	4.8	5.3	6.1	5.3	4.8	2.2	1.8	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)