

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: P629915

Luminaire Tested: GWS-SA1C-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629915
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5013.5 lumens
Efficiency: N/A
Efficacy: 147.0 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

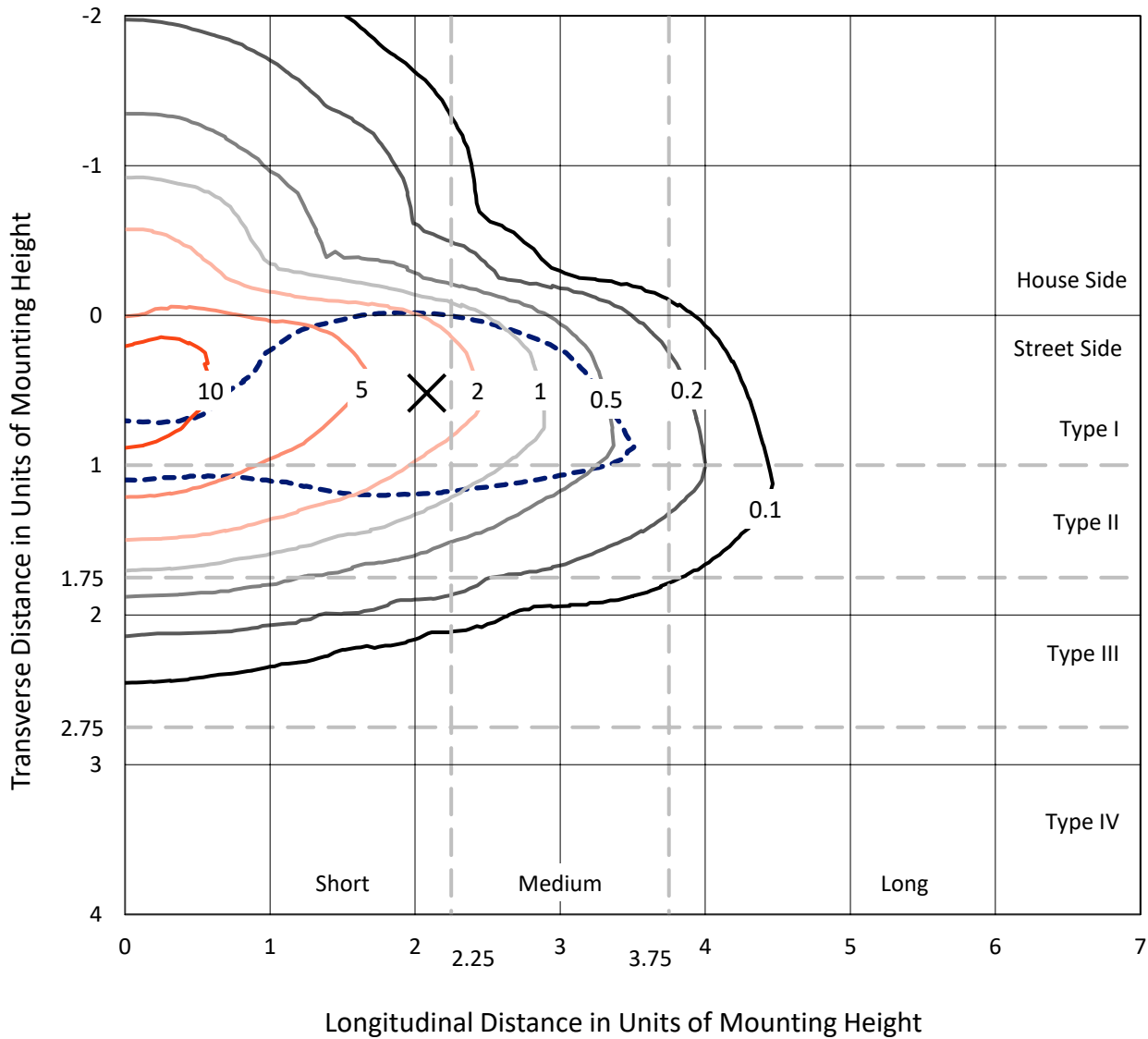
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

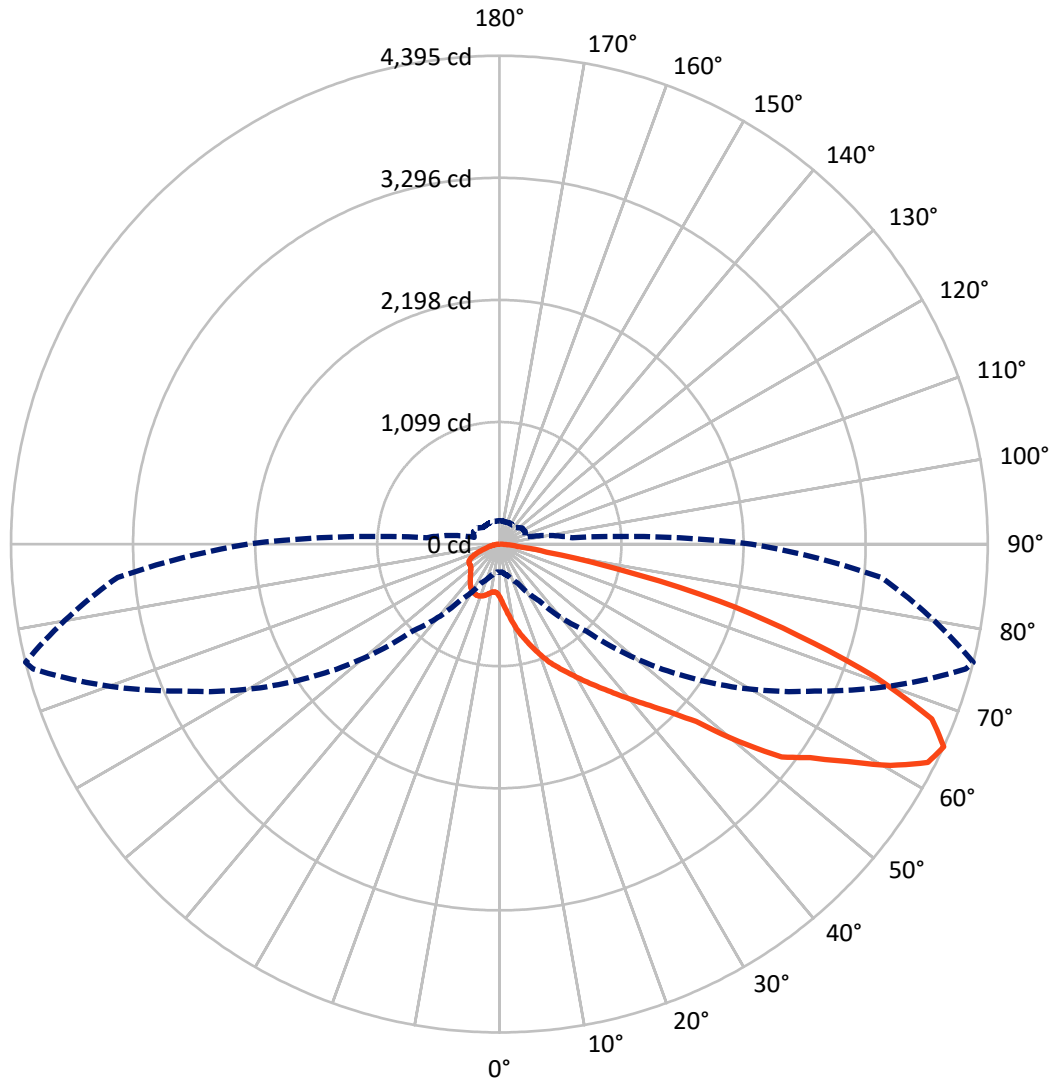
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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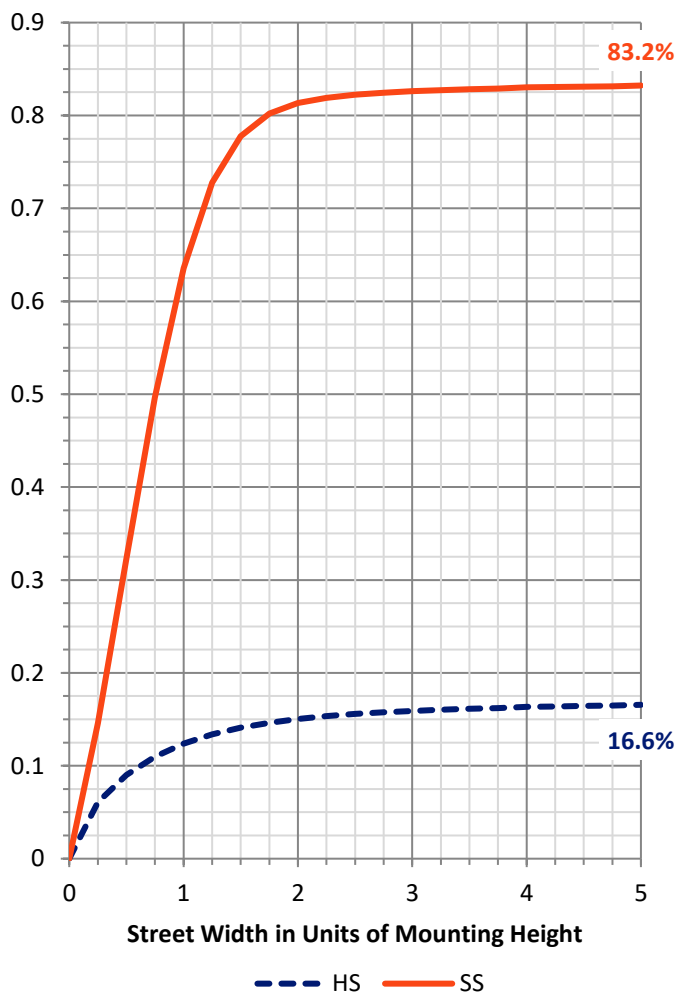
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	838.0	0.0	838.0
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	4175.5	0.0	4175.5
	% Fixture	83.3	0.0	83.3
Total	Lumens	5013.5	0.0	5013.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.4	1.1
10°-20°	214.8	4.3
20°-30°	418.7	8.4
30°-40°	700.2	14.0
40°-50°	1002.6	20.0
50°-60°	1186.9	23.7
60°-70°	986.9	19.7
70°-80°	403.9	8.1
80°-90°	43.0	0.9
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°	5013.5	100.0
0°-180°	5013.5	100.0

Coefficient of Utilization



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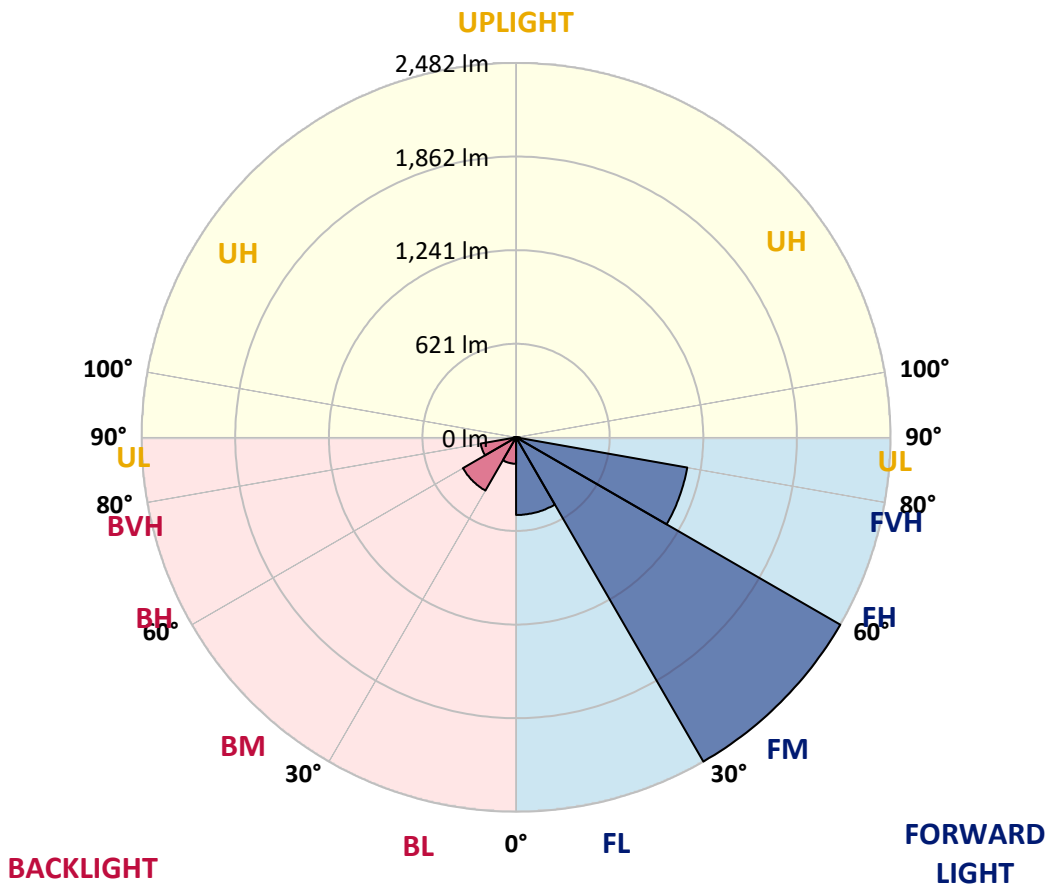
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	514.6	10.3			
FM (30°-60°)	2482.5	49.5			
FH (60°-80°)	1152.7	23.0			G1/1800
FVH (80°-90°)	25.6	0.5			G1/100
BL (0°-30°)	175.3	3.5	B1/500		
BM (30°-60°)	407.3	8.1	B1/1000		
BH (60°-80°)	238.1	4.7	B1/500		G1/500
BVH (80°-90°)	17.4	0.3			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°	76°	85°
0°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8
2.5°	665.4	667.9	659.8	657.0	637.9	612.2	590.7	558.3	528.3	523.8	497.0
5°	845.2	834.6	825.5	819.5	793.0	763.8	718.3	657.3	593.5	585.8	528.0
7.5°	952.0	950.2	938.9	935.4	915.0	885.7	838.8	763.1	670.4	657.7	569.9
10°	1037.6	1036.6	1030.9	1034.1	1015.4	986.9	941.4	863.2	754.6	741.9	616.8
12.5°	1112.4	1114.1	1113.1	1124.7	1115.2	1093.0	1045.7	959.7	838.8	825.1	673.9
15°	1167.0	1168.4	1173.7	1199.1	1204.3	1199.8	1151.8	1054.6	922.0	902.3	732.8
17.5°	1182.5	1185.3	1198.0	1238.9	1267.4	1286.5	1250.9	1151.1	1003.8	982.3	792.7
20°	1203.3	1206.5	1219.1	1261.8	1303.7	1347.1	1340.7	1249.1	1086.3	1068.7	853.3
22.5°	1299.5	1297.0	1291.4	1311.8	1341.8	1395.7	1411.6	1343.2	1171.6	1154.6	920.3
25°	1484.9	1480.3	1444.4	1425.7	1415.8	1448.6	1476.8	1428.9	1254.7	1229.4	982.7
27.5°	1689.3	1686.9	1641.0	1596.6	1536.0	1521.9	1538.5	1503.6	1335.5	1309.7	1036.9
30°	1882.8	1875.4	1827.5	1771.8	1690.7	1630.1	1605.8	1576.9	1423.9	1397.1	1100.4
32.5°	2055.9	2046.4	1990.0	1928.3	1843.4	1771.8	1699.2	1654.8	1524.0	1493.0	1165.2
35°	2197.9	2188.4	2130.6	2065.0	1971.6	1918.8	1819.4	1739.4	1625.9	1594.5	1241.7
37.5°	2307.9	2299.1	2238.8	2174.3	2092.9	2050.9	1964.6	1834.5	1743.3	1710.5	1322.8
40°	2369.6	2363.2	2314.9	2263.8	2195.5	2159.2	2120.4	1954.7	1874.7	1841.9	1418.3
42.5°	2388.3	2384.0	2350.2	2323.8	2277.6	2250.1	2272.3	2096.1	2015.0	1986.4	1525.8
45°	2341.4	2341.4	2331.5	2344.9	2347.0	2346.7	2424.6	2255.7	2187.3	2156.0	1677.3
47.5°	2221.5	2229.3	2243.7	2309.7	2379.1	2437.2	2602.5	2468.6	2409.0	2383.3	1892.0
50°	2002.3	2023.5	2072.8	2201.4	2349.1	2497.2	2771.0	2783.4	2840.1	2794.6	2207.8
52.5°	1681.2	1678.0	1803.9	1987.2	2212.4	2499.6	2863.7	3061.1	3213.7	3182.3	2442.5
55°	1336.2	1330.9	1448.2	1701.0	2002.7	2405.2	2919.4	3188.3	3421.0	3392.8	2653.7
57.5°	1023.2	1016.5	1120.8	1348.9	1706.6	2204.6	2908.8	3339.9	3706.1	3691.6	2940.6
60°	704.2	696.1	793.7	993.2	1356.3	1898.0	2791.8	3417.8	4039.9	4044.8	3247.5
62.5°	422.9	418.4	489.2	643.9	975.6	1518.0	2518.0	3370.5	4305.6	4327.8	3444.9
65°	255.2	252.0	293.6	384.2	618.9	1107.8	2095.7	3129.1	4344.0	4395.1	3449.5
67.5°	185.7	186.1	198.1	234.0	360.9	715.5	1572.7	2696.3	4143.8	4196.7	3232.0
70°	161.4	162.1	168.5	176.6	218.2	409.6	1022.5	2128.5	3552.1	3592.9	2710.7
72.5°	143.5	143.5	147.7	151.9	170.6	249.5	547.7	1487.7	2803.4	2814.4	2068.9
75°	126.2	125.1	127.2	129.4	148.0	174.5	266.5	1036.6	2070.7	2045.3	1337.2
77.5°	100.5	99.4	99.7	101.9	118.8	124.8	135.0	647.5	1167.0	1101.4	590.7
80°	71.5	70.8	74.7	80.0	87.8	76.5	84.6	313.3	462.8	430.7	229.1
82.5°	42.6	44.1	50.0	54.3	60.6	47.9	54.6	104.7	163.9	159.7	93.0
85°	6.0	6.3	18.0	20.8	26.1	18.7	28.9	47.2	65.6	70.1	32.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	8.5	18.7	19.0	8.1
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°	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8	474.8
2.5°	483.2	466.7	443.0	423.3	406.7	393.3	382.1	373.6	371.1	367.6	367.6
5°	500.8	470.9	428.6	398.6	381.4	371.1	364.1	360.6	358.8	356.7	355.6
7.5°	525.2	483.2	426.1	395.8	382.4	376.1	371.5	369.4	368.0	365.9	365.9
10°	558.6	501.5	433.9	405.7	395.1	388.8	383.5	379.9	376.8	373.6	372.9
12.5°	594.9	525.5	448.0	419.1	407.8	400.0	392.6	387.4	383.5	379.6	378.5
15°	635.1	550.2	463.1	432.1	418.0	407.4	398.6	390.5	385.2	379.6	378.9
17.5°	674.6	575.2	475.8	440.9	422.9	409.9	397.2	386.6	379.9	373.6	371.8
20°	721.8	600.2	484.6	443.4	421.9	404.6	389.5	376.1	368.7	361.3	360.2
22.5°	765.2	623.5	488.9	439.9	413.8	393.3	375.7	361.3	353.2	345.8	344.4
25°	807.1	643.9	487.1	431.4	401.4	377.8	359.5	345.1	337.3	329.5	327.4
27.5°	847.7	657.7	480.0	418.4	385.9	360.6	342.9	329.9	323.2	316.5	313.7
30°	887.5	670.4	469.1	401.4	366.2	342.6	328.1	319.0	312.3	305.2	303.1
32.5°	927.7	679.5	452.6	381.7	346.1	326.7	317.9	311.2	304.2	297.1	295.0
35°	968.2	683.4	432.5	359.2	329.2	316.5	313.3	305.6	296.1	287.6	284.8
37.5°	1016.5	686.9	407.4	336.9	314.4	311.6	310.9	299.2	288.0	276.3	273.2
40°	1074.6	691.5	381.7	316.9	302.4	309.8	307.0	291.1	268.6	257.3	253.8
42.5°	1145.8	700.0	354.9	298.5	293.6	303.1	299.9	271.4	256.2	249.9	248.1
45°	1250.5	731.0	328.1	284.1	286.9	293.6	288.7	259.8	253.8	249.5	247.4
47.5°	1437.0	778.6	304.9	273.2	281.6	285.1	266.1	256.6	252.0	246.4	243.9
50°	1630.8	799.4	286.2	266.5	275.6	277.4	253.8	252.4	249.2	243.2	240.7
52.5°	1761.9	796.6	274.9	264.0	270.7	264.0	248.1	247.8	245.7	238.6	235.8
55°	1910.0	801.5	270.0	264.7	268.6	241.4	241.1	242.1	241.1	233.3	231.9
57.5°	2109.8	816.6	267.5	267.2	267.2	230.5	234.4	235.8	233.7	230.2	229.1
60°	2301.9	817.7	262.9	270.0	266.1	223.8	226.6	228.0	225.6	224.9	224.5
62.5°	2374.2	766.9	252.7	267.9	261.9	216.4	218.5	219.2	216.8	218.5	218.2
65°	2266.7	659.1	235.8	257.6	248.8	209.7	208.3	210.1	205.8	210.4	210.8
67.5°	2012.5	523.8	210.1	238.3	230.5	202.3	199.5	199.5	192.4	199.5	199.1
70°	1622.7	370.1	172.4	207.2	210.4	193.5	192.1	184.0	172.7	183.3	182.2
72.5°	1230.1	265.8	135.7	163.9	181.2	181.2	181.5	167.8	154.7	159.7	155.4
75°	779.3	187.2	108.6	125.5	142.0	159.0	167.1	141.7	130.1	127.9	125.8
77.5°	351.0	123.0	84.6	96.2	100.8	125.5	152.6	122.0	106.1	101.5	100.1
80°	147.0	76.5	60.3	68.0	62.0	105.4	134.6	94.8	77.9	71.5	67.0
82.5°	64.5	45.5	38.4	36.7	38.8	78.2	100.5	63.1	48.6	65.9	66.6
85°	27.1	24.0	19.7	18.0	15.9	30.0	47.2	24.7	30.3	17.3	14.1
87.5°	6.3	7.0	5.3	3.5	2.1	0.4	0.0	0.0	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)