

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: P629803

Luminaire Tested: GWS-SA1C-735-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-735-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4703.5 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

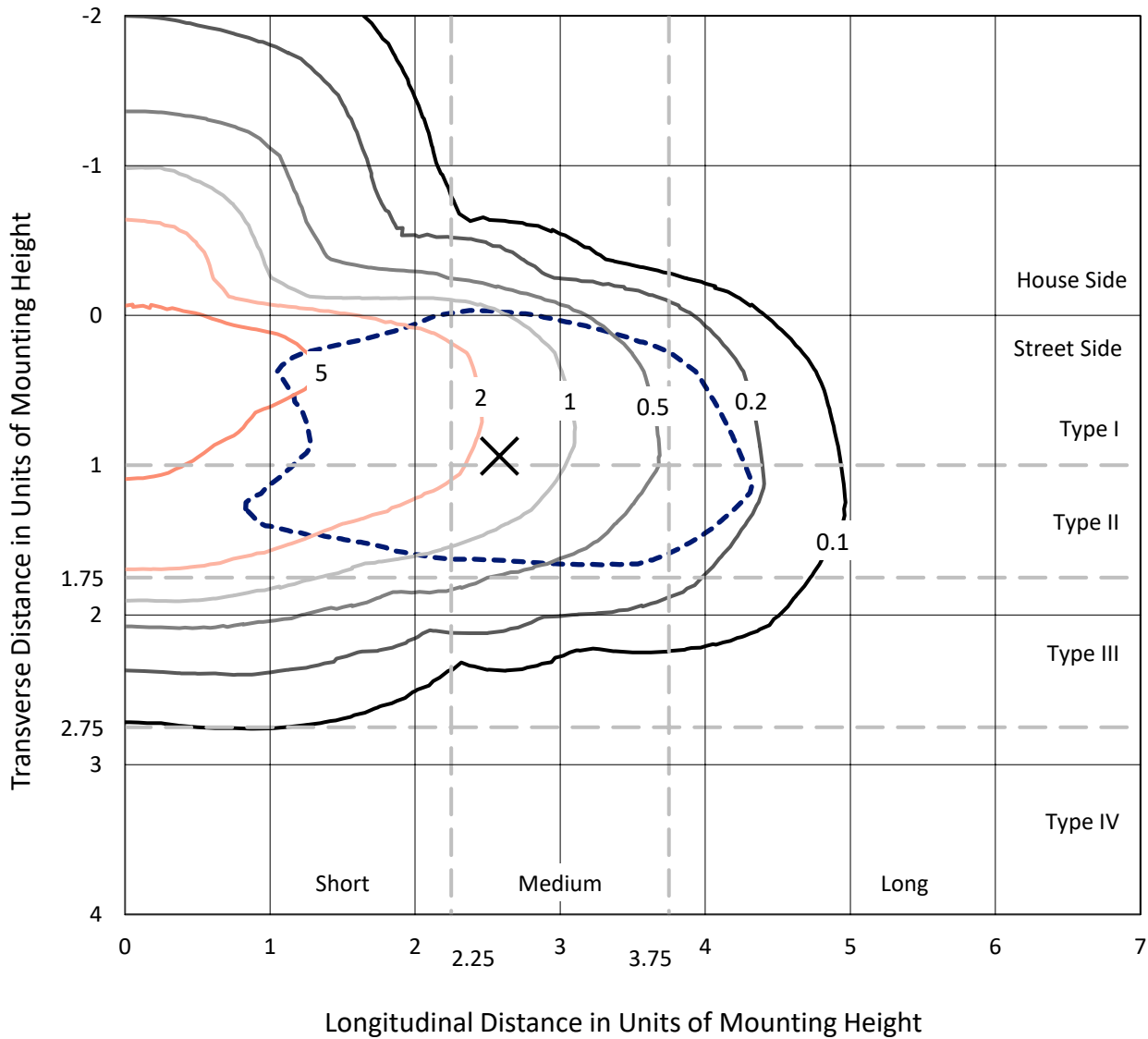
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

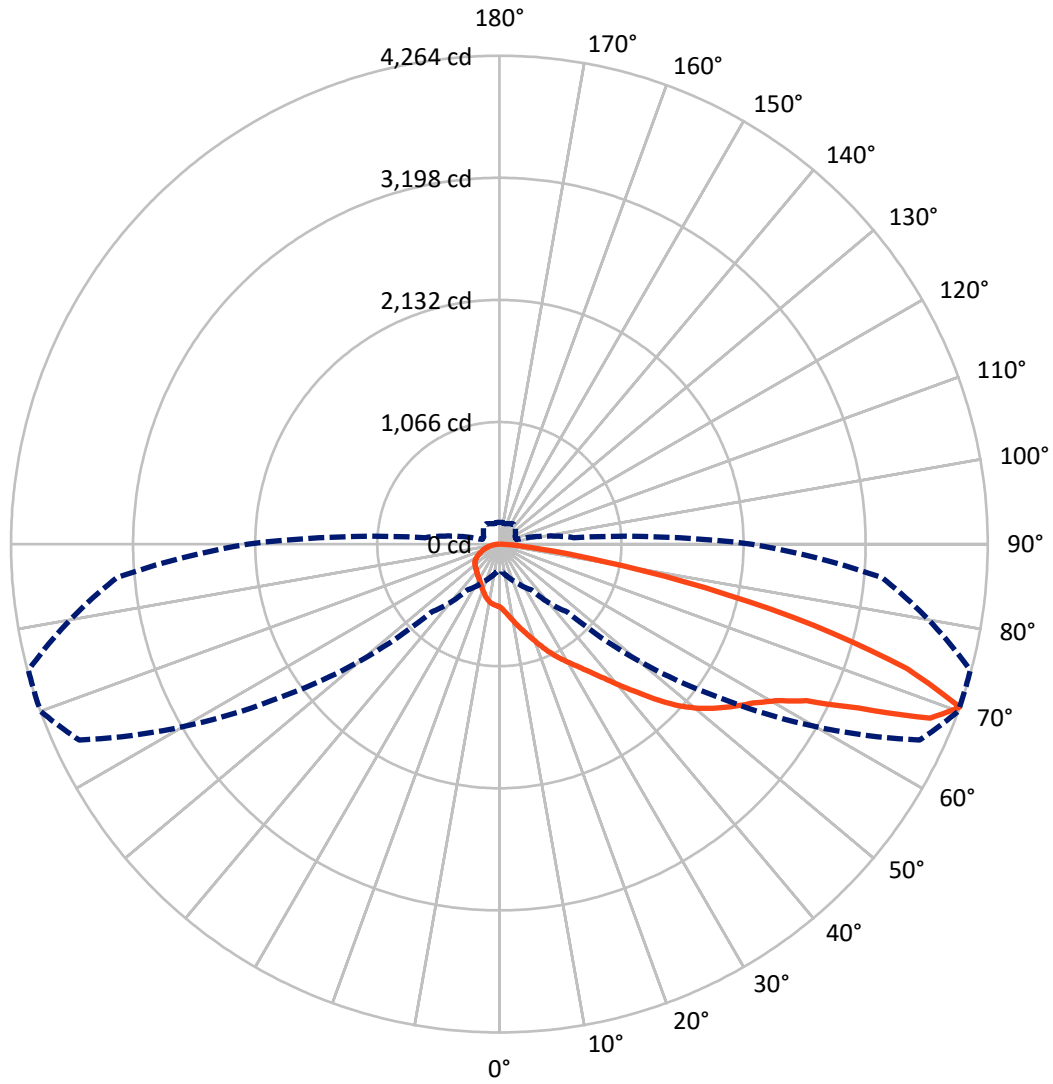
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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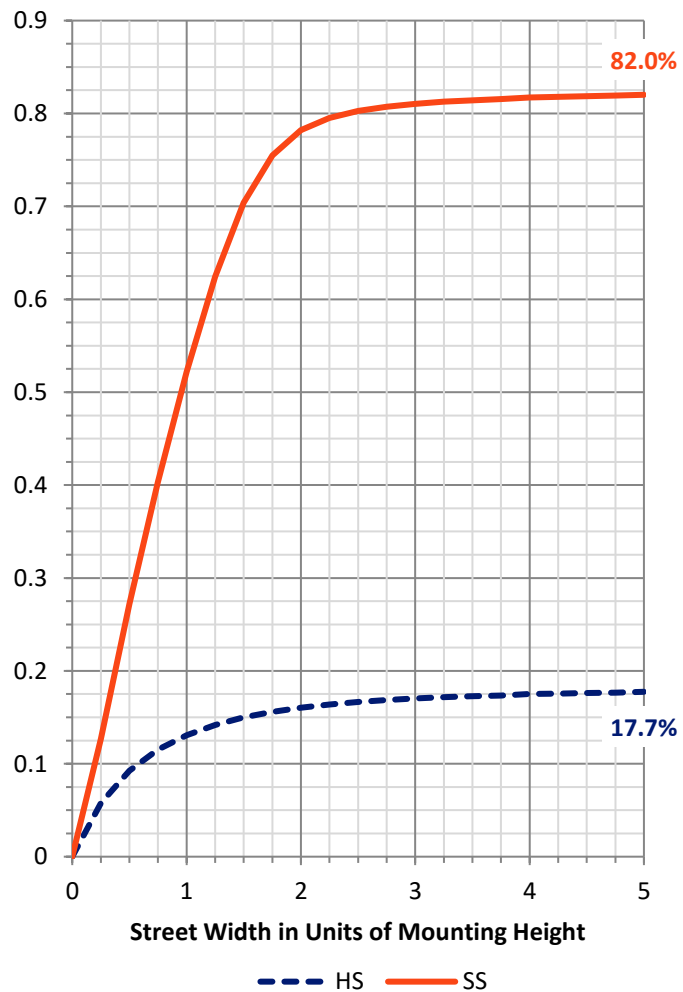
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	842.9	0.0	842.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	3860.6	0.0	3860.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	4703.5	0.0	4703.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	1.2
10°-20°	181.4	3.9
20°-30°	321.3	6.8
30°-40°	483.5	10.3
40°-50°	731.5	15.6
50°-60°	1048.0	22.3
60°-70°	1158.4	24.6
70°-80°	653.7	13.9
80°-90°	69.9	1.5
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°	4703.5	100.0
0°-180°	4703.5	100.0

Coefficient of Utilization



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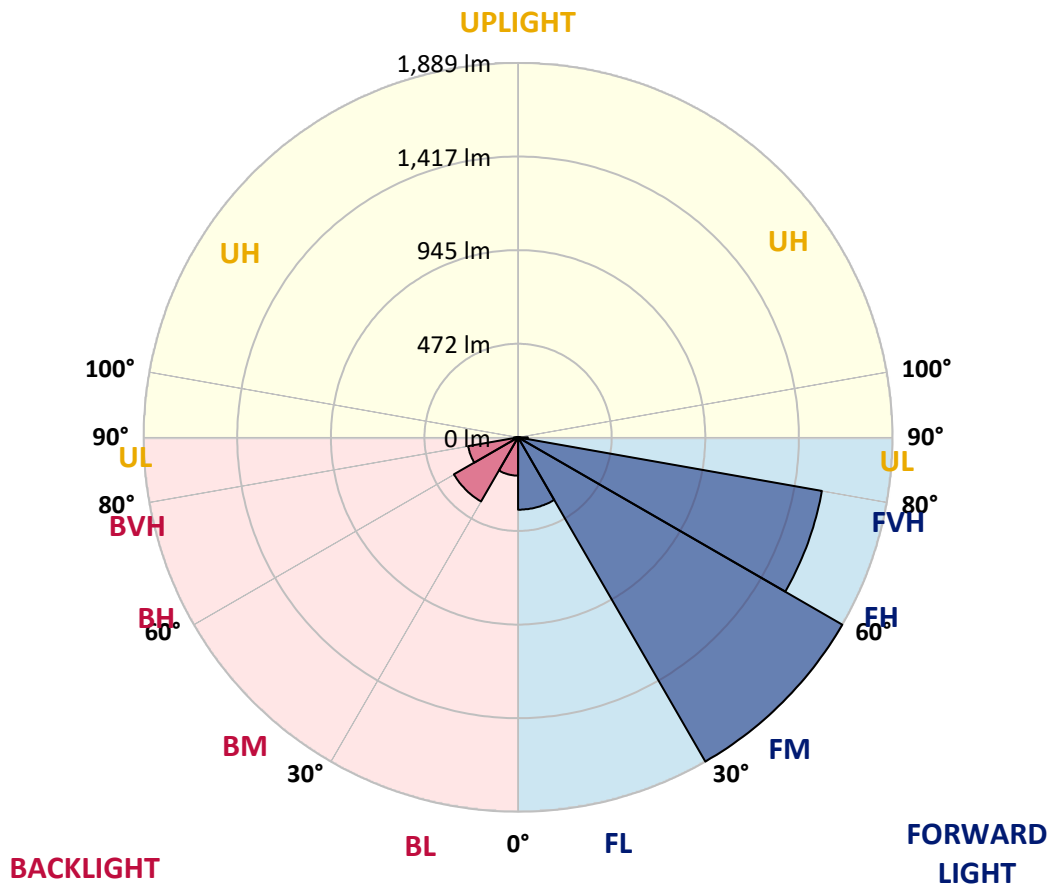
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	365.1	7.8			
FM (30°-60°)	1889.4	40.2			
FH (60°-80°)	1556.7	33.1			G1/1800
FVH (80°-90°)	49.4	1.1			G1/100
BL (0°-30°)	193.3	4.1	B1/500		
BM (30°-60°)	373.7	7.9	B1/1000		
BH (60°-80°)	255.5	5.4	B1/500		G1/500
BVH (80°-90°)	20.5	0.4			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	607.7	606.6	607.3	606.6	602.9	593.7	586.2	576.7	570.3	566.5	557.7
5°	679.0	678.0	675.6	672.2	665.4	652.9	634.2	613.4	600.9	591.3	572.7
7.5°	730.3	730.3	730.0	725.9	721.2	707.9	685.8	658.6	640.3	624.0	593.4
10°	756.5	758.2	760.6	766.4	765.4	758.2	737.5	708.3	685.1	666.1	620.6
12.5°	770.8	771.8	775.9	787.8	800.0	801.7	789.5	758.9	733.7	708.3	650.8
15°	789.1	789.5	794.9	809.2	827.2	845.2	842.2	811.6	785.7	757.5	684.5
17.5°	803.4	805.8	815.7	832.3	854.7	879.5	894.5	875.5	843.5	811.2	721.2
20°	808.5	810.2	823.1	848.6	879.2	914.2	947.5	942.4	910.1	872.1	762.6
22.5°	826.9	826.9	836.4	857.8	893.8	944.8	998.8	1012.1	983.5	939.0	807.2
25°	867.3	865.9	870.4	879.2	906.4	969.3	1049.5	1089.2	1057.3	1007.3	851.7
27.5°	922.7	922.0	921.7	923.0	932.2	990.7	1092.3	1161.3	1129.3	1072.9	891.4
30°	982.9	980.8	985.2	981.2	979.1	1016.2	1128.7	1225.9	1201.0	1137.8	924.4
32.5°	1064.8	1061.0	1060.0	1046.8	1038.6	1055.9	1157.9	1299.3	1279.6	1207.8	961.4
35°	1172.8	1169.4	1152.1	1131.0	1106.9	1115.1	1194.2	1371.0	1372.3	1295.5	1010.0
37.5°	1281.9	1282.6	1269.0	1219.4	1194.6	1189.8	1249.6	1458.3	1487.5	1400.2	1072.9
40°	1372.7	1376.8	1376.8	1324.4	1287.4	1283.0	1327.5	1562.0	1620.1	1528.7	1152.4
42.5°	1441.7	1445.4	1457.3	1419.6	1380.5	1395.8	1422.0	1666.0	1770.3	1687.4	1253.0
45°	1517.5	1520.5	1527.0	1505.2	1482.4	1523.2	1529.0	1790.4	1942.3	1865.5	1370.0
47.5°	1618.0	1615.3	1616.0	1600.0	1582.4	1648.3	1646.9	1895.0	2108.5	2060.5	1496.7
50°	1743.1	1748.2	1743.5	1711.8	1691.1	1751.3	1759.1	2010.9	2254.6	2253.6	1624.5
52.5°	1863.4	1865.5	1890.6	1892.0	1849.5	1836.9	1857.3	2127.8	2378.0	2430.3	1747.2
55°	1869.5	1877.4	1952.8	2007.2	2075.8	1974.9	1956.5	2239.3	2497.3	2603.3	1874.6
57.5°	1739.4	1752.0	1880.1	1997.3	2188.3	2211.8	2126.5	2383.4	2616.5	2773.6	2022.1
60°	1461.4	1487.5	1661.5	1841.0	2137.7	2382.0	2474.1	2579.2	2773.2	2947.6	2201.2
62.5°	933.2	943.4	1187.5	1487.9	1909.6	2365.4	2852.7	2924.1	3011.8	3174.2	2477.2
65°	467.3	499.9	643.0	888.0	1377.1	2084.3	3044.1	3555.9	3448.5	3562.4	2924.4
67.5°	317.1	327.6	400.0	533.6	807.5	1476.7	2925.5	4088.1	4056.5	4075.2	3401.3
70°	233.8	240.6	297.7	377.9	488.4	838.4	2329.0	4048.0	4263.8	4257.0	3351.3
72.5°	170.6	174.0	217.2	288.5	361.9	433.7	1422.3	3270.1	3722.1	3918.2	2930.9
75°	124.0	128.1	150.9	215.8	281.4	270.5	702.1	2362.0	2838.5	3215.7	2387.8
77.5°	92.4	97.5	108.1	135.3	197.1	193.7	303.5	1533.8	1835.9	2100.3	1450.5
80°	66.6	67.6	73.7	86.7	125.1	113.5	144.4	799.7	916.9	1004.6	568.6
82.5°	40.4	41.5	49.3	53.4	77.5	71.4	75.1	259.0	371.1	393.9	212.4
85°	11.9	12.6	22.4	24.5	32.3	30.6	30.2	105.4	125.7	160.8	83.6
87.5°	0.0	0.0	0.0	0.0	0.3	2.0	3.7	18.7	28.2	39.1	20.4
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°	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5	548.5
2.5°	554.3	546.5	542.4	535.3	530.2	525.1	520.0	515.2	513.2	510.1	510.8
5°	564.2	551.9	539.7	525.8	513.9	504.0	495.2	487.4	484.0	480.9	482.3
7.5°	579.1	560.8	537.3	511.8	493.1	479.5	470.4	464.9	463.2	460.8	460.8
10°	598.1	570.6	529.5	493.1	470.7	459.8	455.7	455.4	457.1	457.4	456.8
12.5°	619.2	580.1	517.9	471.0	452.0	448.6	451.7	457.4	463.2	466.3	465.6
15°	641.0	586.2	498.2	450.0	438.4	442.8	452.7	464.2	475.5	481.2	480.9
17.5°	661.4	587.6	472.7	429.6	426.5	437.7	454.7	472.7	488.0	496.2	496.5
20°	684.1	585.2	446.6	411.2	414.6	433.0	455.4	477.2	495.2	503.3	505.4
22.5°	704.9	577.1	421.1	393.9	404.4	427.2	450.0	470.4	486.3	494.1	496.9
25°	723.6	561.4	393.2	379.3	396.6	419.0	436.4	450.6	461.9	466.6	470.4
27.5°	733.7	538.0	372.1	367.7	389.1	407.5	417.0	421.4	425.2	423.8	426.5
30°	735.8	508.8	353.8	358.5	377.9	391.5	393.6	389.1	382.7	372.1	374.5
32.5°	733.7	475.1	338.5	348.7	365.3	373.5	370.8	359.2	343.6	327.3	328.3
35°	734.4	441.1	325.9	337.8	350.7	355.1	348.4	332.4	315.7	300.8	300.1
37.5°	741.9	412.6	315.4	327.3	336.5	337.1	329.7	313.0	304.5	293.3	291.9
40°	762.6	391.5	305.9	316.7	322.5	322.2	313.7	301.8	307.6	303.8	302.8
42.5°	796.6	378.6	298.1	305.5	309.6	310.3	303.5	296.0	308.6	303.8	302.1
45°	851.3	377.9	292.6	294.3	300.8	305.5	300.8	292.3	297.0	273.9	269.5
47.5°	916.2	389.5	288.5	284.5	295.7	304.2	296.7	283.1	273.2	252.2	249.1
50°	994.4	412.9	284.8	273.9	288.2	299.1	291.6	272.9	257.9	246.7	245.0
52.5°	1087.2	443.9	280.0	262.0	277.0	296.4	291.6	271.9	252.2	242.0	240.3
55°	1184.4	479.5	274.6	247.8	264.4	297.0	294.0	264.7	247.8	242.3	241.0
57.5°	1305.0	522.4	264.7	231.1	253.2	290.9	284.5	260.7	244.7	240.3	238.9
60°	1461.7	585.9	246.1	214.1	240.3	280.0	276.0	253.9	236.5	232.8	231.8
62.5°	1709.8	693.6	223.3	197.8	225.0	257.3	263.4	241.0	226.3	226.0	225.7
65°	2114.2	823.1	196.4	183.2	209.0	238.6	246.7	227.7	215.8	219.5	219.2
67.5°	2397.7	834.3	174.3	167.9	190.3	218.2	230.1	214.1	201.2	208.3	208.0
70°	2196.1	650.8	155.3	151.9	170.3	196.1	212.1	197.1	184.2	191.0	189.6
72.5°	1852.2	498.9	137.3	135.3	149.9	173.0	189.0	180.1	166.5	166.5	163.5
75°	1488.6	411.6	118.3	117.2	127.1	149.5	167.5	152.6	140.0	139.3	137.3
77.5°	853.7	269.8	99.2	98.6	101.6	125.1	130.2	127.1	117.6	113.2	111.8
80°	340.2	140.4	78.2	73.7	76.8	91.8	102.6	97.5	89.4	83.9	80.9
82.5°	131.9	70.3	55.1	48.3	52.7	66.3	74.4	72.7	67.3	55.1	51.7
85°	53.7	34.3	33.0	27.9	30.6	35.7	42.8	37.0	30.6	21.8	20.7
87.5°	14.3	12.6	12.2	7.5	5.8	1.7	0.3	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)