

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: P629363

Luminaire Tested: GWS-SA1B-740-U-T2-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629363  
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-SA1B-740-U-T2-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3555.9 lumens  
Efficiency: N/A  
Efficacy: 142.2 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

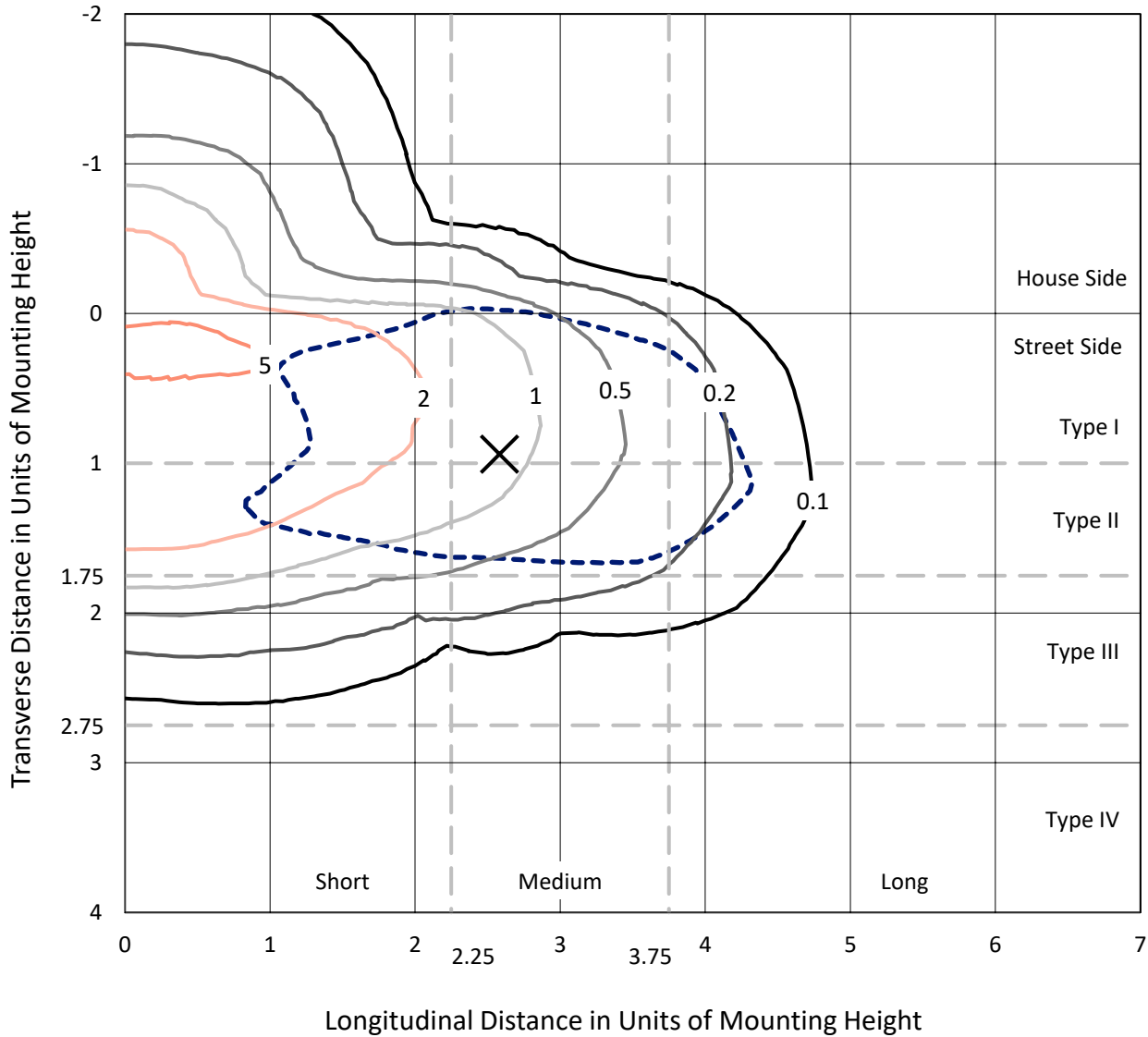
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

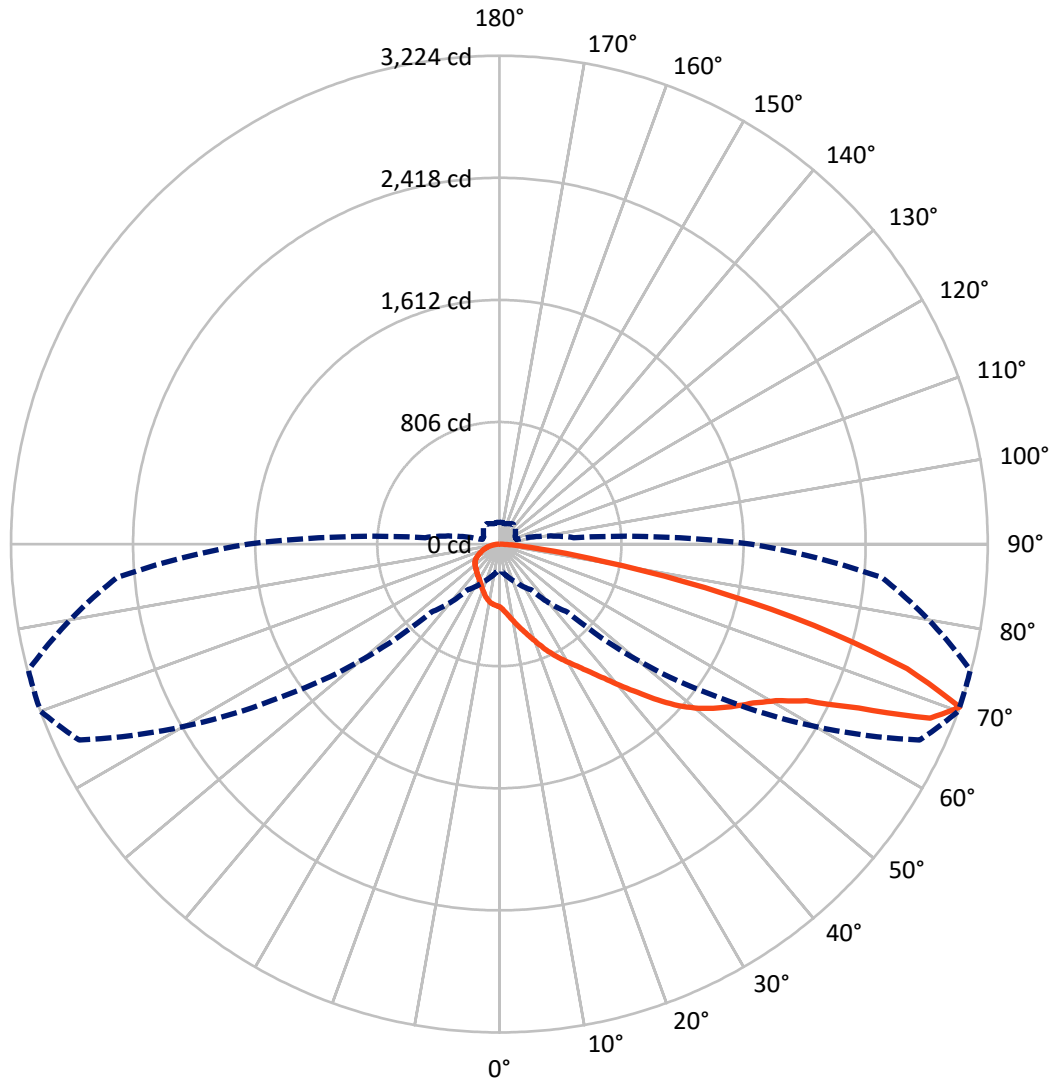
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 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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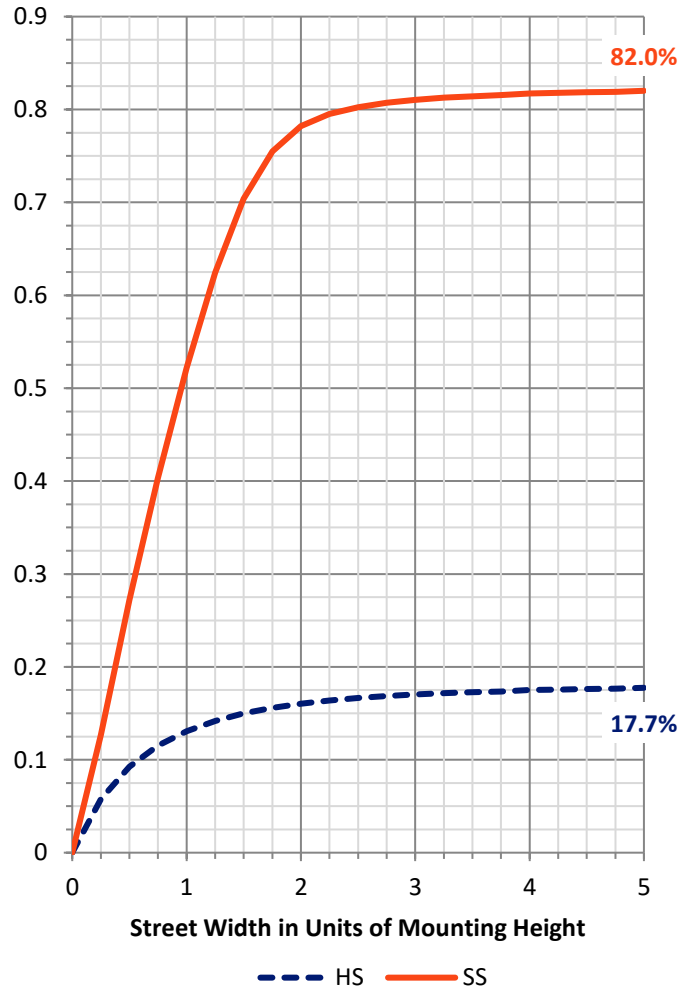
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	637.2	0.0	637.2
	% Fixture	17.9	0.0	17.9
<b>Street Side</b>	Lumens	2918.7	0.0	2918.7
	% Fixture	82.1	0.0	82.1
<b>Total</b>	Lumens	3555.9	0.0	3555.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.1	1.2
10°-20°	137.1	3.9
20°-30°	242.9	6.8
30°-40°	365.6	10.3
40°-50°	553.0	15.6
50°-60°	792.3	22.3
60°-70°	875.8	24.6
70°-80°	494.2	13.9
80°-90°	52.9	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°	3555.9	100.0
0°-180°	3555.9	100.0

**Coefficient of Utilization**



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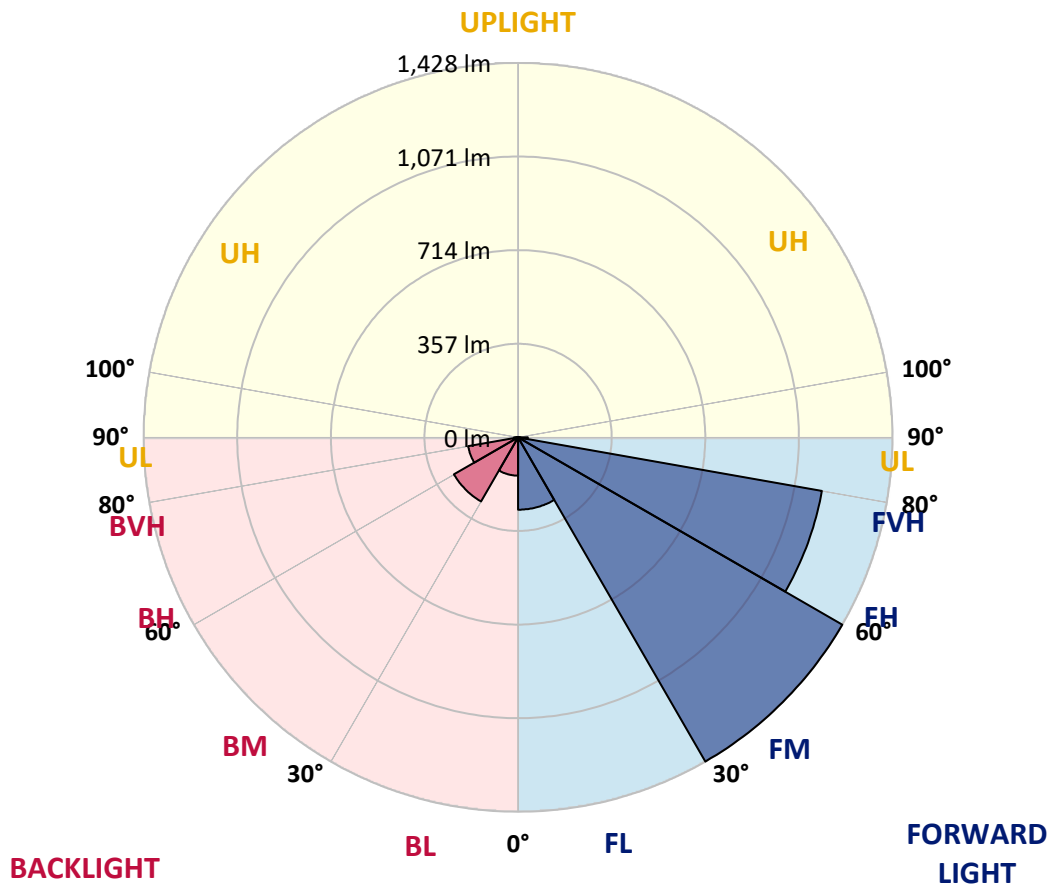
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	276.0	7.8			
FM (30°-60°)	1428.4	40.2			
FH (60°-80°)	1176.9	33.1			G1/1800
FVH (80°-90°)	37.4	1.1			G1/100
BL (0°-30°)	146.1	4.1	B1/500		
BM (30°-60°)	282.5	7.9	B1/1000		
BH (60°-80°)	193.1	5.4	B1/500		G1/500
BVH (80°-90°)	15.5	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°	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7
2.5°	459.4	458.6	459.1	458.6	455.8	448.9	443.2	436.0	431.1	428.3	421.6
5°	513.4	512.6	510.8	508.2	503.1	493.6	479.4	463.8	454.3	447.1	432.9
7.5°	552.2	552.2	551.9	548.8	545.2	535.2	518.5	497.9	484.1	471.7	448.6
10°	571.9	573.2	575.0	579.4	578.6	573.2	557.5	535.5	518.0	503.6	469.2
12.5°	582.7	583.5	586.6	595.6	604.8	606.1	596.9	573.7	554.7	535.5	492.0
15°	596.6	596.9	601.0	611.8	625.4	639.0	636.7	613.6	594.0	572.7	517.5
17.5°	607.4	609.2	616.6	629.2	646.2	664.9	676.3	661.9	637.7	613.3	545.2
20°	611.2	612.5	622.3	641.6	664.7	691.2	716.3	712.5	688.1	659.3	576.6
22.5°	625.1	625.1	632.3	648.5	675.7	714.3	755.1	765.1	743.6	709.9	610.2
25°	655.7	654.7	658.0	664.7	685.2	732.8	793.4	823.5	799.3	761.6	643.9
27.5°	697.6	697.1	696.8	697.8	704.8	749.0	825.8	877.9	853.8	811.1	673.9
30°	743.1	741.5	744.9	741.8	740.2	768.2	853.3	926.8	908.0	860.2	698.9
32.5°	805.0	802.1	801.4	791.4	785.2	798.3	875.4	982.3	967.4	913.1	726.9
35°	886.7	884.1	871.0	855.1	836.8	843.0	902.9	1036.5	1037.5	979.4	763.6
37.5°	969.2	969.7	959.4	921.9	903.1	899.5	944.7	1102.5	1124.6	1058.6	811.1
40°	1037.8	1040.8	1040.8	1001.3	973.3	969.9	1003.6	1180.9	1224.8	1155.7	871.3
42.5°	1089.9	1092.7	1101.7	1073.2	1043.7	1055.2	1075.0	1259.5	1338.4	1275.7	947.3
45°	1147.2	1149.5	1154.4	1138.0	1120.7	1151.6	1155.9	1353.5	1468.4	1410.3	1035.7
47.5°	1223.3	1221.2	1221.7	1209.6	1196.3	1246.1	1245.1	1432.7	1594.0	1557.8	1131.5
50°	1317.8	1321.7	1318.1	1294.2	1278.5	1324.0	1329.9	1520.3	1704.5	1703.7	1228.1
52.5°	1408.8	1410.3	1429.3	1430.4	1398.2	1388.7	1404.1	1608.7	1797.8	1837.3	1320.9
55°	1413.4	1419.3	1476.3	1517.5	1569.4	1493.0	1479.2	1692.9	1888.0	1968.1	1417.2
57.5°	1315.0	1324.5	1421.4	1510.0	1654.4	1672.1	1607.6	1801.9	1978.1	2096.8	1528.8
60°	1104.8	1124.6	1256.2	1391.8	1616.1	1800.9	1870.5	1949.9	2096.6	2228.4	1664.2
62.5°	705.5	713.2	897.7	1124.9	1443.7	1788.3	2156.7	2210.7	2276.9	2399.8	1872.8
65°	353.3	378.0	486.1	671.4	1041.1	1575.8	2301.4	2688.3	2607.1	2693.2	2210.9
67.5°	239.7	247.7	302.4	403.4	610.5	1116.4	2211.7	3090.7	3066.8	3080.9	2571.4
70°	176.8	181.9	225.1	285.7	369.2	633.9	1760.8	3060.3	3223.5	3218.4	2533.6
72.5°	129.0	131.6	164.2	218.1	273.6	327.8	1075.3	2472.2	2813.9	2962.2	2215.8
75°	93.8	96.9	114.1	163.2	212.7	204.5	530.8	1785.7	2145.9	2431.1	1805.2
77.5°	69.9	73.7	81.7	102.3	149.0	146.5	229.4	1159.5	1388.0	1587.9	1096.6
80°	50.4	51.1	55.8	65.5	94.6	85.8	109.2	604.6	693.2	759.5	429.9
82.5°	30.6	31.3	37.3	40.3	58.6	54.0	56.8	195.8	280.6	297.8	160.6
85°	9.0	9.5	17.0	18.5	24.4	23.1	22.9	79.6	95.1	121.5	63.2
87.5°	0.0	0.0	0.0	0.0	0.3	1.5	2.8	14.1	21.3	29.5	15.4
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°	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7	414.7
2.5°	419.1	413.1	410.1	404.7	400.8	397.0	393.1	389.5	388.0	385.7	386.2
5°	426.5	417.3	408.0	397.5	388.5	381.0	374.4	368.4	365.9	363.6	364.6
7.5°	437.8	423.9	406.2	386.9	372.8	362.5	355.6	351.5	350.2	348.4	348.4
10°	452.2	431.4	400.3	372.8	355.9	347.6	344.5	344.3	345.6	345.8	345.3
12.5°	468.1	438.6	391.6	356.1	341.7	339.2	341.5	345.8	350.2	352.5	352.0
15°	484.6	443.2	376.7	340.2	331.4	334.8	342.2	351.0	359.5	363.8	363.6
17.5°	500.0	444.2	357.4	324.8	322.5	330.9	343.8	357.4	369.0	375.1	375.4
20°	517.2	442.4	337.6	310.9	313.5	327.3	344.3	360.7	374.4	380.5	382.1
22.5°	532.9	436.3	318.3	297.8	305.8	323.0	340.2	355.6	367.7	373.6	375.6
25°	547.0	424.5	297.3	286.7	299.8	316.8	329.9	340.7	349.2	352.8	355.6
27.5°	554.7	406.7	281.3	278.0	294.2	308.1	315.3	318.6	321.4	320.4	322.5
30°	556.3	384.6	267.5	271.1	285.7	296.0	297.5	294.2	289.3	281.3	283.1
32.5°	554.7	359.2	255.9	263.6	276.2	282.4	280.3	271.6	259.8	247.4	248.2
35°	555.2	333.5	246.4	255.4	265.2	268.5	263.4	251.3	238.7	227.4	226.9
37.5°	560.9	311.9	238.4	247.4	254.4	254.9	249.2	236.6	230.2	221.7	220.7
40°	576.6	296.0	231.2	239.5	243.8	243.6	237.2	228.2	232.5	229.7	228.9
42.5°	602.3	286.2	225.3	231.0	234.1	234.6	229.4	223.8	233.3	229.7	228.4
45°	643.6	285.7	221.2	222.5	227.4	231.0	227.4	221.0	224.6	207.1	203.7
47.5°	692.7	294.4	218.1	215.1	223.5	230.0	224.3	214.0	206.6	190.6	188.3
50°	751.8	312.2	215.3	207.1	217.9	226.1	220.4	206.3	195.0	186.5	185.2
52.5°	821.9	335.6	211.7	198.1	209.4	224.0	220.4	205.5	190.6	182.9	181.7
55°	895.4	362.5	207.6	187.3	199.9	224.6	222.2	200.2	187.3	183.2	182.2
57.5°	986.6	394.9	200.2	174.7	191.4	219.9	215.1	197.1	185.0	181.7	180.6
60°	1105.1	443.0	186.0	161.9	181.7	211.7	208.6	191.9	178.8	176.0	175.2
62.5°	1292.6	524.4	168.8	149.5	170.1	194.5	199.1	182.2	171.1	170.9	170.6
65°	1598.4	622.3	148.5	138.5	158.0	180.4	186.5	172.1	163.2	166.0	165.7
67.5°	1812.7	630.8	131.8	126.9	143.9	165.0	173.9	161.9	152.1	157.5	157.2
70°	1660.3	492.0	117.4	114.8	128.7	148.3	160.3	149.0	139.3	144.4	143.4
72.5°	1400.3	377.2	103.8	102.3	113.3	130.8	142.9	136.2	125.9	125.9	123.6
75°	1125.4	311.1	89.4	88.6	96.1	113.1	126.7	115.4	105.9	105.3	103.8
77.5°	645.4	204.0	75.0	74.5	76.8	94.6	98.4	96.1	88.9	85.6	84.5
80°	257.2	106.1	59.1	55.8	58.1	69.4	77.6	73.7	67.6	63.5	61.2
82.5°	99.7	53.2	41.6	36.5	39.8	50.1	56.3	55.0	50.9	41.6	39.1
85°	40.6	26.0	24.9	21.1	23.1	27.0	32.4	28.0	23.1	16.4	15.7
87.5°	10.8	9.5	9.2	5.7	4.4	1.3	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)