

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: P629350

Luminaire Tested: GWS-SA1B-740-U-SL4-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629350  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-740-U-SL4-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

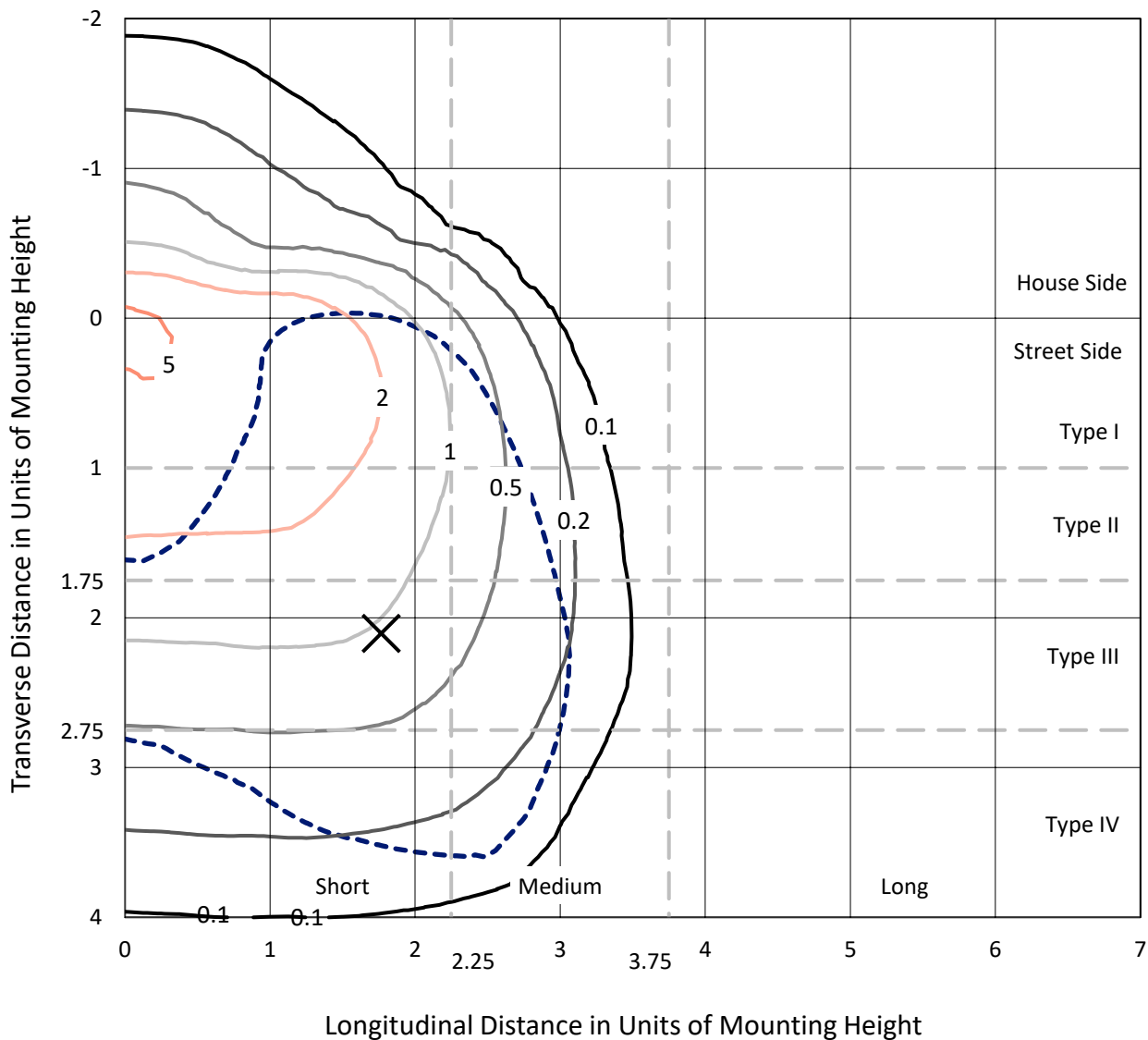
Lumens per Lamp: N/A  
Luminaire Lumens: 3442.1 lumens  
Efficiency: N/A  
Efficacy: 137.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): NR  
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

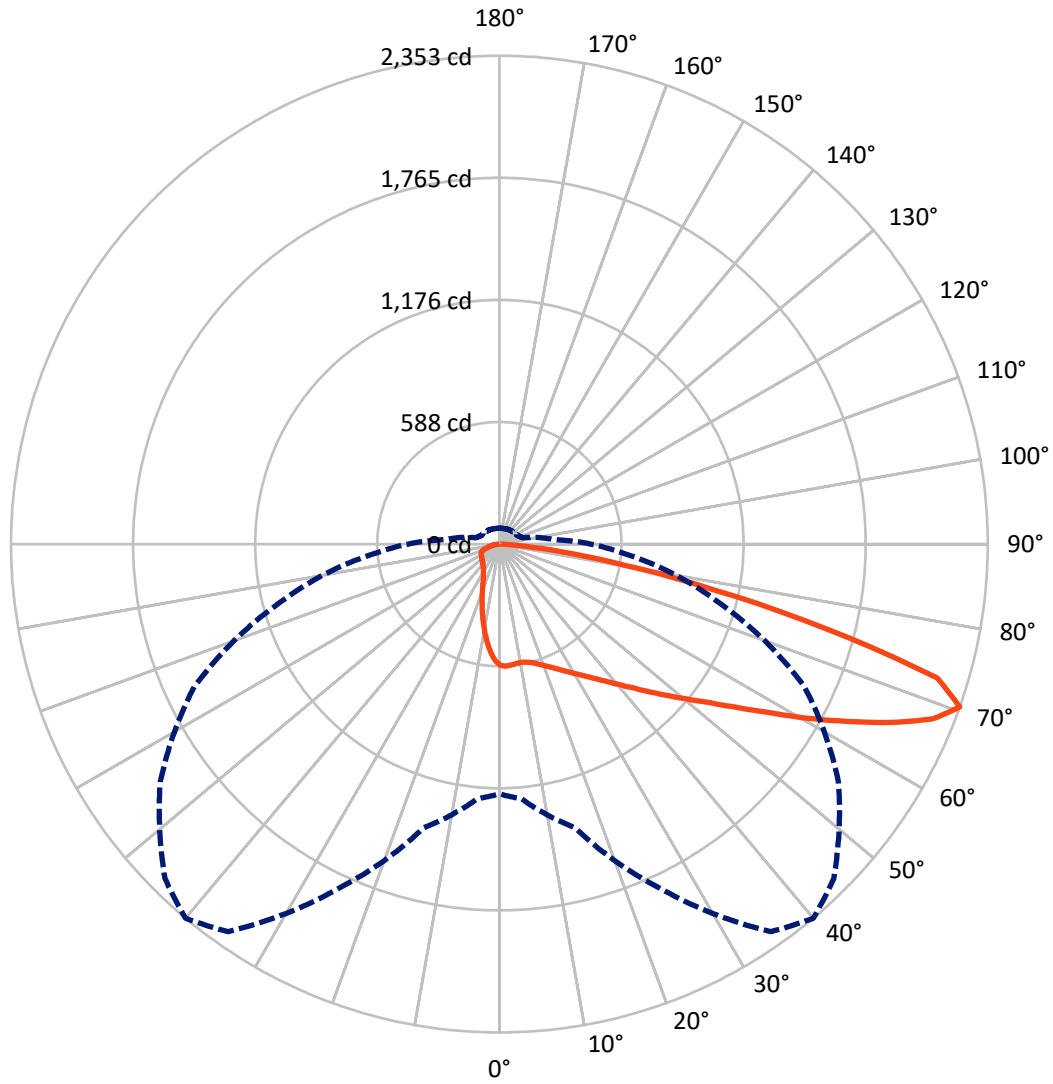
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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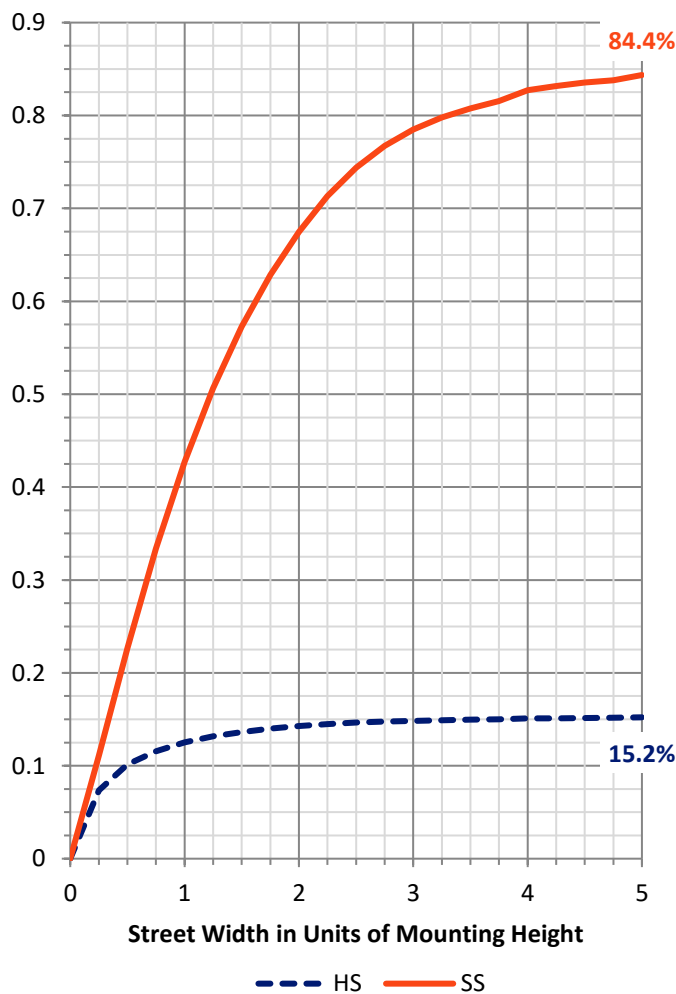
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	530.2	0.0	530.2
	% Fixture	15.4	0.0	15.4
<b>Street Side</b>	Lumens	2911.9	0.0	2911.9
	% Fixture	84.6	0.0	84.6
<b>Total</b>	Lumens	3442.1	0.0	3442.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	51.6	1.5
10°-20°	134.6	3.9
20°-30°	211.3	6.1
30°-40°	317.7	9.2
40°-50°	490.5	14.2
50°-60°	728.4	21.2
60°-70°	918.1	26.7
70°-80°	530.9	15.4
80°-90°	58.9	1.7
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°	3442.1	100.0
0°-180°	3442.1	100.0

**Coefficient of Utilization**



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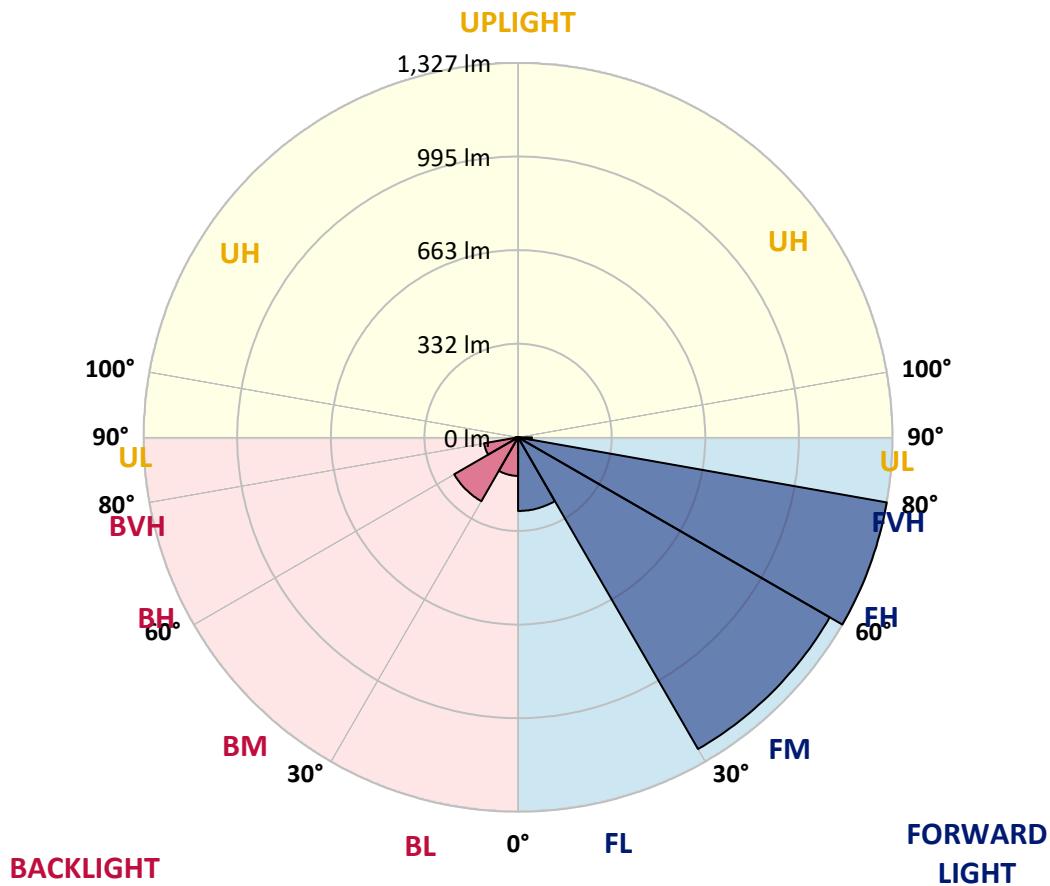
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	260.9	7.6			
FM (30°-60°)	1275.3	37.0			
FH (60°-80°)	1326.7	38.5			G1/1800
FVH (80°-90°)	49.1	1.4			G1/100
BL (0°-30°)	136.6	4.0	B1/500		
BM (30°-60°)	261.3	7.6	B1/1000		
BH (60°-80°)	122.4	3.6	B1/500		G1/500
BVH (80°-90°)	9.8	0.3			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	588.1	589.1	589.9	590.9	590.4	588.9	590.2	590.2	587.3	584.3	581.4
5°	588.9	590.2	589.9	589.6	587.6	585.0	585.0	583.5	578.6	573.7	569.1
7.5°	587.3	587.1	586.8	586.0	583.7	580.9	580.4	577.3	570.9	564.2	557.5
10°	580.4	580.1	580.9	582.7	582.2	579.6	579.6	576.8	569.3	561.1	552.4
12.5°	574.7	574.7	577.8	582.7	584.5	583.5	583.7	581.7	573.2	563.4	553.2
15°	575.5	575.8	582.5	590.4	593.8	593.0	593.2	590.9	581.4	571.7	557.8
17.5°	580.7	581.9	593.5	604.5	608.9	607.9	606.1	602.2	591.4	580.4	563.4
20°	591.4	593.5	608.4	622.3	627.4	625.1	622.0	614.3	602.5	590.4	569.6
22.5°	612.8	614.1	630.5	644.1	648.2	645.4	639.2	628.2	614.6	602.0	577.1
25°	642.8	644.4	660.0	672.6	671.6	668.3	659.8	646.2	630.0	616.6	587.8
27.5°	678.5	681.1	696.5	706.5	699.9	695.0	685.5	669.0	650.8	638.7	604.3
30°	717.6	718.6	731.7	741.7	731.5	724.8	713.2	695.5	679.1	670.1	629.0
32.5°	755.4	756.4	767.7	773.3	762.6	757.7	747.7	728.9	717.3	712.5	665.7
35°	795.2	794.9	804.2	809.1	798.0	796.0	785.7	771.3	769.2	775.7	719.4
37.5°	835.0	832.7	837.6	844.0	837.8	839.9	833.2	828.3	836.3	853.0	790.8
40°	866.9	866.9	872.0	880.0	882.0	891.0	887.2	893.6	919.3	959.1	879.2
42.5°	895.1	895.4	906.2	918.5	933.4	947.3	950.4	967.1	1020.3	1082.7	990.2
45°	924.7	924.9	939.6	957.6	989.2	1015.6	1021.8	1059.3	1135.4	1211.4	1110.7
47.5°	958.9	956.0	976.3	1006.4	1051.3	1089.4	1105.3	1158.5	1254.6	1348.1	1224.3
50°	997.4	991.5	1014.1	1066.0	1121.5	1173.6	1200.4	1261.3	1382.5	1474.2	1331.1
52.5°	1040.8	1037.5	1061.1	1124.3	1209.1	1269.2	1305.4	1385.3	1506.9	1599.9	1415.9
55°	1094.8	1086.8	1121.0	1201.4	1311.9	1388.4	1431.3	1508.2	1642.8	1714.0	1480.7
57.5°	1153.9	1145.1	1190.9	1297.7	1445.5	1529.5	1583.2	1646.4	1770.7	1801.3	1518.7
60°	1217.6	1214.7	1269.0	1410.8	1604.8	1702.4	1741.2	1798.5	1882.0	1851.9	1509.2
62.5°	1275.9	1274.9	1353.7	1533.3	1773.6	1881.0	1911.8	1926.9	1962.1	1848.6	1433.7
65°	1337.3	1346.0	1452.7	1675.4	1967.0	2072.4	2085.2	2046.7	1989.1	1761.0	1279.0
67.5°	1345.0	1362.0	1514.8	1808.5	2150.5	2249.9	2239.6	2092.2	1909.5	1517.2	1002.5
70°	1202.9	1232.5	1415.7	1828.8	2279.7	2352.9	2278.7	1994.3	1620.4	1099.1	630.5
72.5°	1005.1	1030.5	1192.4	1559.5	2113.0	2206.2	2105.8	1688.0	1145.1	630.5	321.2
75°	782.3	811.9	961.2	1239.7	1581.9	1619.2	1568.8	1177.2	629.5	260.0	145.9
77.5°	477.4	498.7	614.8	839.9	1106.8	1051.1	890.8	660.0	276.2	124.6	90.2
80°	211.2	224.3	302.9	451.2	639.5	604.5	476.6	281.8	151.1	79.1	62.9
82.5°	113.3	121.8	149.3	178.6	280.8	293.7	238.2	162.4	81.2	45.2	36.0
85°	49.8	54.7	67.8	64.7	92.2	90.7	91.5	111.5	38.8	20.8	23.4
87.5°	0.0	0.0	0.0	0.0	0.3	0.3	2.8	14.9	3.9	6.2	5.4
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°	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5	584.5
2.5°	578.3	573.7	572.4	570.9	568.1	563.2	559.6	555.5	553.7	551.6	551.9
5°	564.0	558.3	552.9	546.0	537.2	527.5	520.8	513.1	509.0	505.1	506.1
7.5°	551.6	542.9	531.8	517.2	501.5	484.0	469.9	458.9	451.4	446.3	448.9
10°	543.9	533.6	514.4	490.5	464.0	437.3	417.0	398.0	386.2	376.9	376.4
12.5°	542.4	529.0	501.0	466.3	428.0	392.3	362.5	336.8	321.2	309.6	314.0
15°	543.9	527.0	489.4	444.0	395.7	347.4	310.4	280.8	262.1	251.5	250.8
17.5°	545.7	524.9	476.3	419.8	361.8	306.5	263.6	232.3	213.0	202.5	202.7
20°	547.3	521.8	460.9	393.4	327.3	268.5	224.0	194.2	177.0	169.3	170.6
22.5°	549.8	518.7	444.5	365.1	292.1	231.7	192.7	168.5	158.3	153.1	153.4
25°	554.7	516.9	427.5	334.3	257.4	202.5	171.1	154.9	148.5	145.4	145.2
27.5°	564.7	518.5	409.8	304.5	226.1	180.1	157.2	146.7	142.3	140.3	140.0
30°	581.4	524.6	394.4	274.1	199.1	162.6	147.7	141.3	138.7	136.9	136.7
32.5°	606.9	536.2	377.7	245.9	177.3	149.8	140.3	136.9	135.1	134.1	134.1
35°	645.4	557.3	361.2	221.2	160.3	139.8	134.4	133.1	131.5	131.0	131.5
37.5°	700.9	590.9	346.3	199.6	148.2	132.1	127.9	128.5	127.2	127.9	128.7
40°	771.3	635.9	333.7	181.9	139.3	126.4	122.3	124.1	123.3	124.1	125.4
42.5°	860.4	691.6	324.2	168.0	132.8	121.8	117.9	119.7	119.2	120.2	121.5
45°	959.9	765.1	319.9	158.3	128.2	118.4	114.3	115.6	115.1	115.9	117.2
47.5°	1055.2	831.9	323.7	152.6	124.4	115.6	111.2	111.8	111.5	111.2	112.0
50°	1137.4	885.1	334.8	150.8	121.8	112.8	108.7	108.9	108.2	106.6	107.1
52.5°	1204.5	927.8	341.5	150.8	120.5	109.7	105.9	106.1	104.6	102.5	102.8
55°	1248.7	945.0	336.1	150.6	120.0	107.1	103.0	103.3	101.7	99.2	99.4
57.5°	1261.3	928.3	313.5	147.7	119.5	105.1	100.2	100.7	99.7	96.9	96.9
60°	1226.1	867.1	272.1	141.3	118.2	103.8	98.1	98.9	98.4	95.6	95.6
62.5°	1133.8	758.4	222.8	131.5	114.6	102.3	96.3	97.9	99.2	97.6	97.4
65°	961.2	607.6	181.1	120.8	110.0	99.7	93.8	97.6	100.5	102.5	102.5
67.5°	721.2	435.0	147.7	109.5	103.0	94.5	90.4	94.0	96.1	97.4	98.1
70°	439.6	255.9	116.4	96.3	93.0	86.8	83.8	80.2	77.3	76.8	77.1
72.5°	215.0	146.4	94.5	82.0	79.4	73.7	66.8	65.3	64.0	63.2	62.9
75°	118.4	102.0	78.1	68.1	63.5	56.5	55.0	52.4	51.9	50.9	51.1
77.5°	83.8	80.4	64.5	55.2	48.3	44.7	45.5	43.7	43.7	42.9	42.6
80°	62.9	63.2	49.6	40.3	35.7	34.4	35.2	35.2	34.7	34.4	34.2
82.5°	39.8	45.0	33.4	25.9	25.4	25.7	25.4	25.2	25.7	24.9	24.7
85°	27.5	32.4	20.3	15.4	15.4	15.2	15.7	15.4	15.9	15.2	15.2
87.5°	6.2	14.4	7.5	4.6	4.9	4.6	4.9	5.1	5.7	5.9	5.9
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)