

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: P628876

Luminaire Tested: GWS-SA1A-740-U-T3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P628876  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1A-740-U-T3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

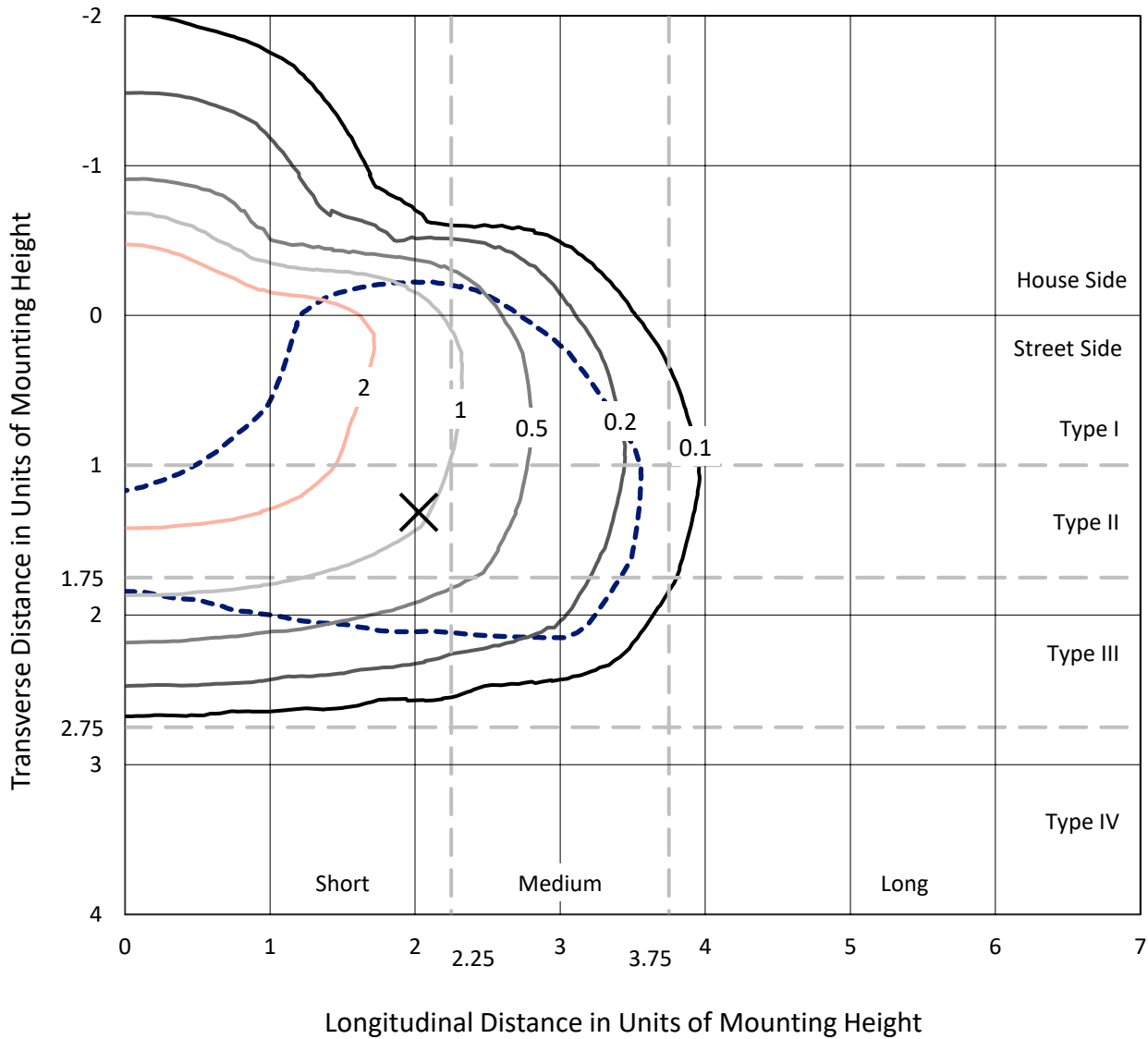
Lumens per Lamp: N/A  
Luminaire Lumens: 2845.7 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 19.7  
Input Voltage (V): 120  
Input Current (Ain): 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

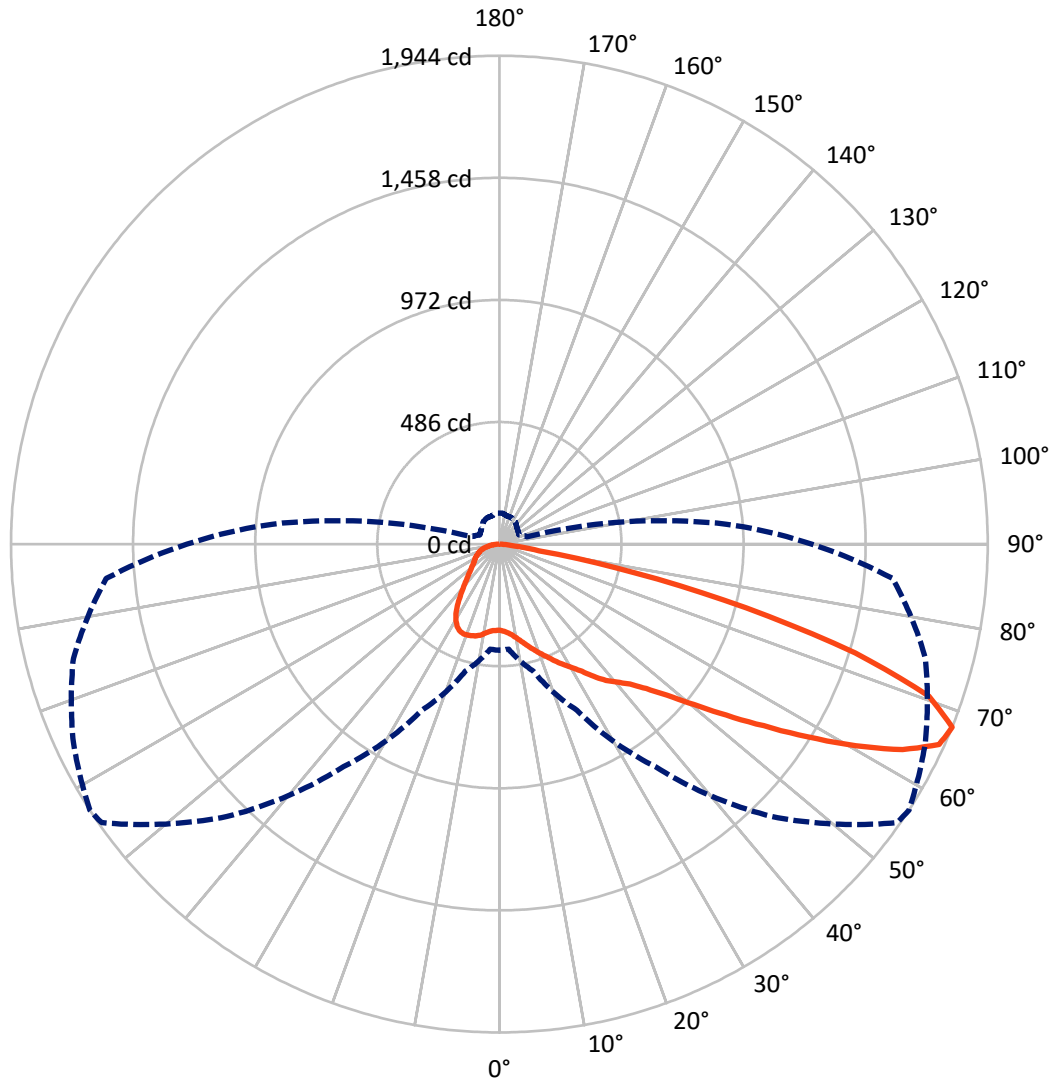
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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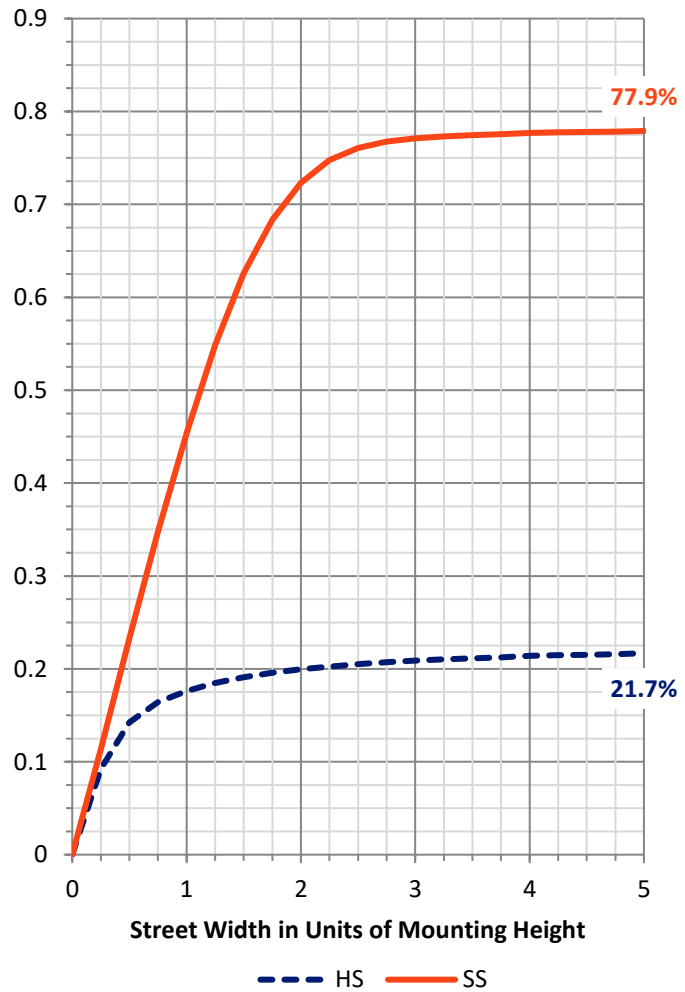
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	625.7	0.0	625.7
	% Fixture	22.0	0.0	22.0
<b>Street Side</b>	Lumens	2220.0	0.0	2220.0
	% Fixture	78.0	0.0	78.0
<b>Total</b>	Lumens	2845.7	0.0	2845.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	34.0	1.2
10°-20°	112.6	4.0
20°-30°	200.7	7.1
30°-40°	291.8	10.3
40°-50°	422.3	14.8
50°-60°	661.0	23.2
60°-70°	771.0	27.1
70°-80°	321.9	11.3
80°-90°	30.4	1.1
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°	2845.7	100.0
0°-180°	2845.7	100.0

**Coefficient of Utilization**



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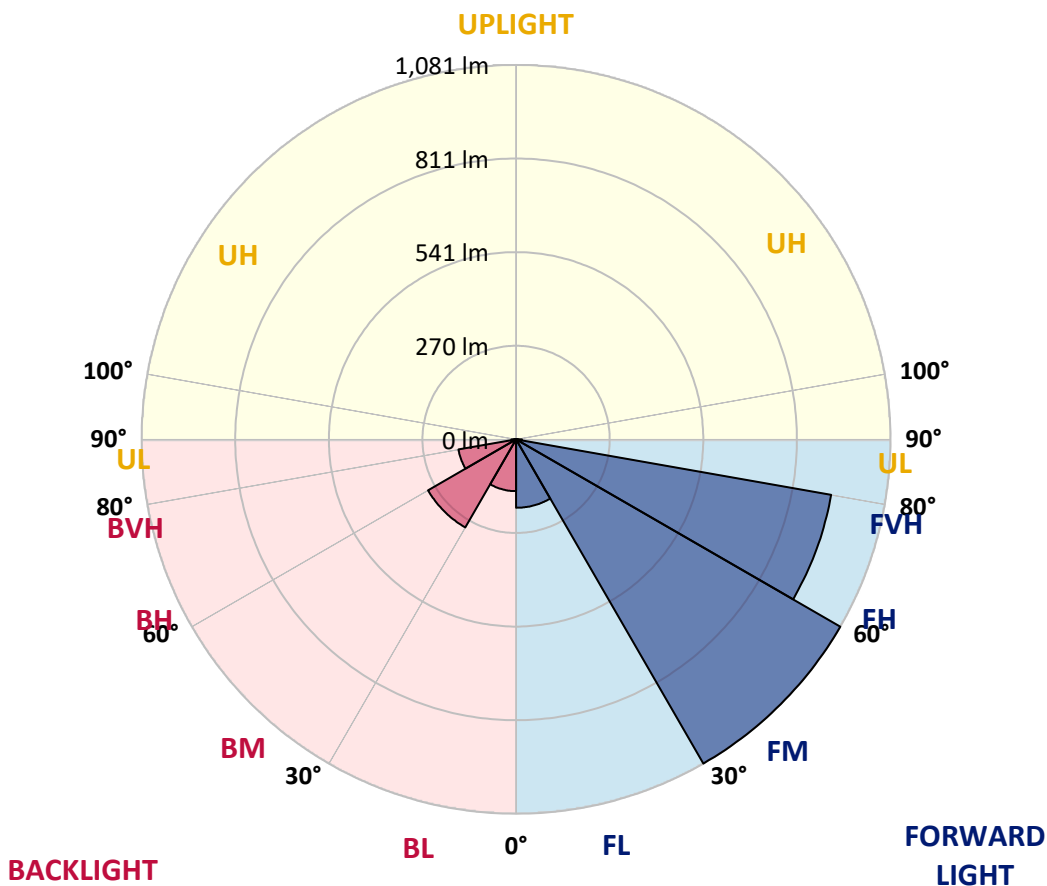
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	197.7	6.9			
FM (30°-60°)	1081.4	38.0			
FH (60°-80°)	924.0	32.5			G1/1800
FVH (80°-90°)	16.9	0.6			G1/100
BL (0°-30°)	149.6	5.3	B1/500		
BM (30°-60°)	293.7	10.3	B1/1000		
BH (60°-80°)	168.9	5.9	B1/500		G1/500
BVH (80°-90°)	13.5	0.5			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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9
2.5°	347.8	347.4	347.2	348.4	348.0	347.8	347.8	347.6	347.2	345.5	343.3
5°	357.4	356.5	355.7	356.7	355.9	355.1	354.9	354.5	353.1	350.6	347.2
7.5°	367.4	366.5	366.7	367.4	366.7	366.3	365.7	365.3	363.1	359.2	354.5
10°	381.4	381.4	381.8	382.4	382.6	382.0	380.8	380.2	377.5	372.7	366.1
12.5°	401.8	401.4	401.4	401.0	401.6	401.0	399.8	398.7	395.5	389.2	379.8
15°	428.7	427.1	425.7	423.0	422.2	419.9	420.4	419.7	416.7	408.1	396.3
17.5°	457.5	457.3	455.0	449.7	444.4	440.7	441.6	441.4	439.7	428.1	413.0
20°	482.7	483.8	481.7	477.6	470.5	463.6	463.2	464.2	462.1	450.5	429.5
22.5°	511.1	510.3	508.2	502.9	497.6	490.3	487.8	487.0	486.2	472.9	446.4
25°	538.0	540.4	537.8	532.9	524.7	516.8	514.7	515.6	513.3	495.8	464.6
27.5°	572.0	573.0	571.4	564.7	557.8	546.5	542.7	542.7	541.9	517.2	478.9
30°	608.3	611.2	608.3	602.8	595.7	579.6	571.2	570.4	567.9	539.2	495.6
32.5°	644.8	646.8	644.8	639.5	631.3	617.3	605.3	603.4	600.2	563.3	512.7
35°	677.2	679.0	678.6	679.9	673.1	655.4	648.1	647.2	638.7	594.7	535.9
37.5°	712.7	714.9	711.9	714.3	711.7	694.9	692.7	688.6	676.4	624.2	560.4
40°	753.0	755.1	750.2	751.2	748.2	738.8	727.4	721.9	703.7	656.2	598.9
42.5°	796.3	801.0	803.2	801.4	794.2	788.9	768.9	762.0	746.9	713.9	662.3
45°	858.8	865.8	869.0	864.4	861.3	853.8	829.3	820.9	813.0	795.2	750.8
47.5°	926.3	932.6	943.0	945.1	947.5	941.8	907.4	899.2	900.6	898.6	859.7
50°	980.1	985.4	1008.9	1034.0	1054.8	1056.4	1012.4	1003.6	1011.3	1017.9	990.7
52.5°	1019.3	1024.0	1055.0	1106.7	1153.8	1188.7	1141.2	1131.2	1137.5	1152.2	1139.8
55°	1051.1	1057.6	1090.0	1169.5	1264.7	1319.8	1289.4	1276.8	1274.1	1292.2	1299.4
57.5°	1067.8	1069.8	1115.3	1218.7	1346.1	1448.4	1461.7	1447.4	1422.1	1432.1	1469.2
60°	1029.7	1033.1	1095.3	1231.3	1410.3	1576.0	1642.5	1630.7	1576.8	1582.3	1623.3
62.5°	924.3	929.2	1004.0	1171.2	1415.6	1661.2	1809.4	1801.9	1729.7	1700.0	1712.2
65°	741.4	743.1	820.5	1022.3	1310.2	1671.8	1925.8	1924.0	1836.5	1766.8	1714.4
67.5°	422.8	419.9	523.5	729.2	1081.3	1534.0	1933.4	1944.2	1871.2	1755.8	1571.7
70°	183.3	183.7	231.4	359.8	699.8	1239.9	1795.8	1814.3	1770.9	1572.6	1250.5
72.5°	84.8	86.0	106.6	155.7	298.9	769.2	1464.3	1481.0	1443.7	1258.6	909.8
75°	59.9	61.0	71.1	89.3	137.4	299.7	979.5	1014.6	1032.7	941.4	599.5
77.5°	45.5	46.9	52.0	62.0	84.8	106.2	468.7	552.2	657.8	585.7	308.8
80°	28.9	28.9	34.5	41.4	51.8	55.2	135.4	160.4	321.9	241.4	121.3
82.5°	19.6	20.2	23.4	26.3	29.8	31.4	58.1	62.0	93.0	82.2	49.9
85°	10.4	10.8	12.2	12.0	14.3	12.4	24.5	24.3	34.0	37.3	19.0
87.5°	0.0	0.0	0.2	0.2	0.4	0.6	2.7	2.9	7.1	11.4	6.3
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°	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9	342.9
2.5°	344.5	342.1	343.3	342.9	344.1	344.1	341.9	341.3	341.5	339.0	338.2
5°	347.6	344.7	345.3	344.5	345.7	346.8	345.7	345.7	347.0	345.1	344.1
7.5°	354.5	351.2	351.2	350.2	351.7	352.5	351.7	352.9	355.1	353.3	352.3
10°	365.5	361.6	361.8	360.6	361.2	360.8	357.6	356.5	357.2	355.5	354.7
12.5°	379.8	374.5	374.5	372.0	370.6	366.3	359.6	357.2	357.6	356.1	355.5
15°	393.4	388.6	387.5	382.6	376.1	368.2	362.1	360.4	360.8	359.4	358.4
17.5°	409.5	403.2	399.6	390.6	378.6	370.4	364.3	360.4	357.2	353.9	353.1
20°	424.4	416.5	409.8	395.9	381.2	370.0	358.6	349.0	341.1	336.8	335.8
22.5°	439.7	429.5	417.7	399.6	381.0	362.7	341.7	327.2	315.4	309.0	310.3
25°	454.2	441.4	425.2	403.0	374.5	346.4	317.8	296.2	282.7	277.9	276.4
27.5°	466.2	450.3	432.2	401.4	361.0	322.9	285.2	261.1	248.1	242.6	241.2
30°	479.7	461.7	442.2	393.9	339.8	290.1	248.3	228.7	219.4	214.0	214.3
32.5°	495.2	476.4	456.2	379.4	312.7	254.6	217.9	204.5	196.9	191.6	190.8
35°	516.0	497.4	465.6	357.6	278.3	222.0	197.1	186.1	176.7	169.8	168.4
37.5°	541.6	529.0	466.6	328.4	241.4	199.6	182.2	170.4	159.0	149.8	148.8
40°	585.7	571.2	458.3	291.9	210.0	185.1	169.8	156.2	142.9	132.7	131.3
42.5°	648.5	618.7	440.3	250.7	186.3	173.7	158.0	140.7	127.2	120.1	119.1
45°	728.4	671.7	413.4	212.0	168.8	162.5	145.6	127.4	120.3	115.2	114.2
47.5°	826.2	733.5	382.4	181.8	155.1	152.3	132.9	122.9	116.6	112.3	111.3
50°	943.2	812.2	357.0	158.2	142.9	140.5	128.8	120.3	115.2	111.7	110.9
52.5°	1076.8	899.6	344.5	141.3	132.3	129.9	127.4	119.7	115.4	112.7	111.7
55°	1215.4	991.8	332.9	128.2	123.3	124.8	127.6	121.7	118.4	115.0	114.0
57.5°	1349.3	1078.2	304.4	118.0	116.8	122.3	128.6	123.7	119.9	116.4	115.2
60°	1441.7	1125.5	256.0	109.9	111.9	119.3	126.0	120.7	115.8	114.4	113.8
62.5°	1466.5	1119.8	198.8	101.5	106.0	112.5	119.1	115.6	110.5	112.7	112.9
65°	1408.4	1058.6	149.2	93.4	98.3	103.8	111.9	110.5	108.7	114.8	115.0
67.5°	1243.9	908.4	113.8	86.2	90.3	97.0	109.7	115.6	116.0	123.7	122.9
70°	941.2	678.6	89.1	79.5	84.2	97.0	116.8	119.5	114.6	121.7	120.1
72.5°	650.7	447.9	75.8	73.6	76.7	92.6	116.6	116.6	111.3	111.3	108.2
75°	404.2	263.4	66.0	66.0	66.0	80.9	113.3	107.4	98.1	93.8	91.3
77.5°	199.6	128.0	55.4	57.5	55.2	67.7	92.6	87.9	82.2	77.7	76.0
80°	85.2	64.0	44.8	47.1	44.4	51.0	73.4	72.4	66.9	61.0	59.1
82.5°	39.1	33.0	35.9	36.9	32.4	38.3	53.6	53.6	50.6	42.4	39.3
85°	16.7	17.5	24.9	24.9	20.4	21.6	28.7	27.3	24.5	20.0	18.3
87.5°	5.7	8.6	12.6	11.0	4.3	1.8	1.0	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)