

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: P630147

Luminaire Tested: GWS-SA1D-722-U-T4W-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630147  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1D-722-U-T4W-W  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: (16) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

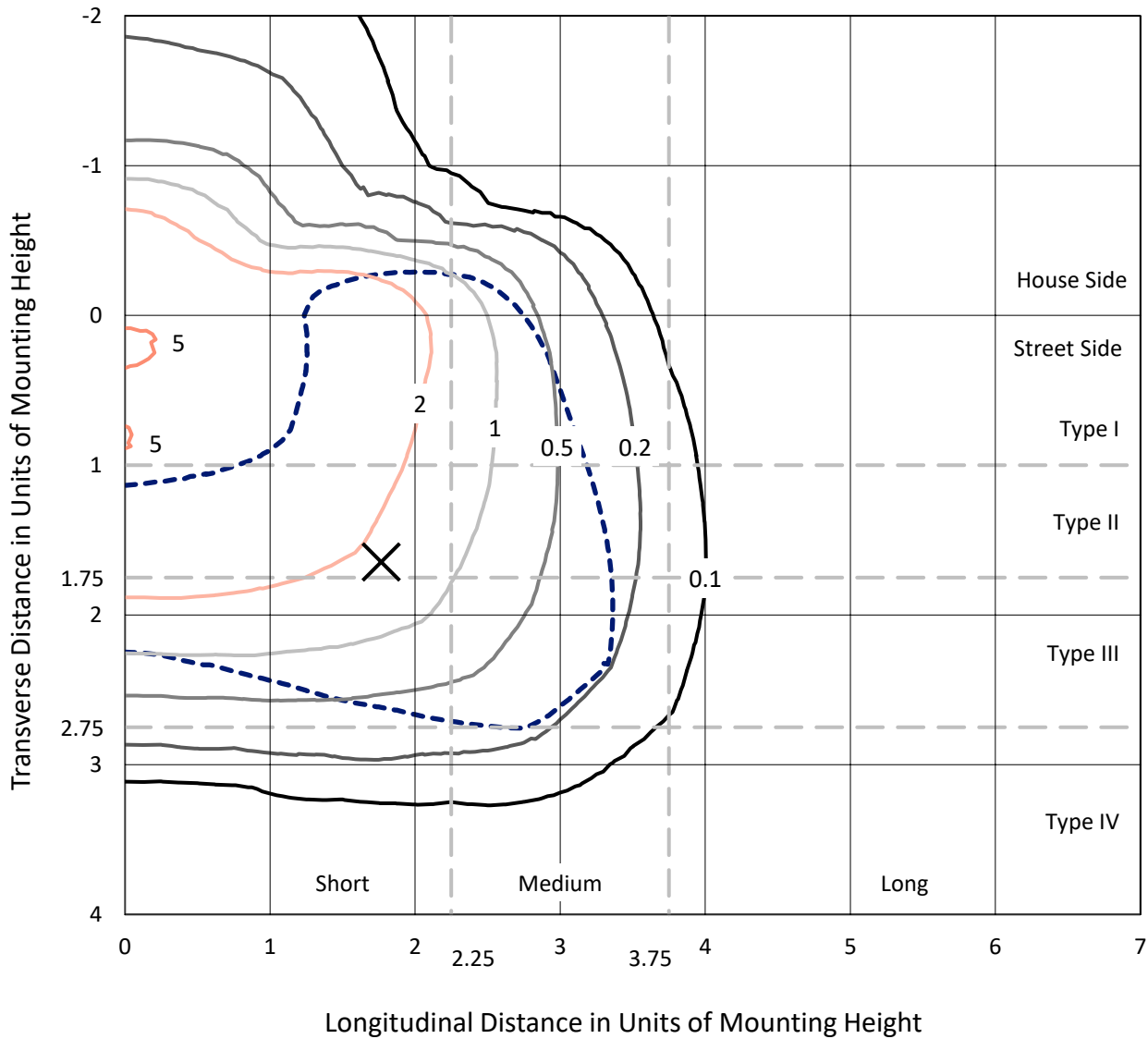
Lumens per Lamp: N/A  
Luminaire Lumens: 4428.3 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44.3  
Input Voltage (V): 120  
Input Current (Ain): 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

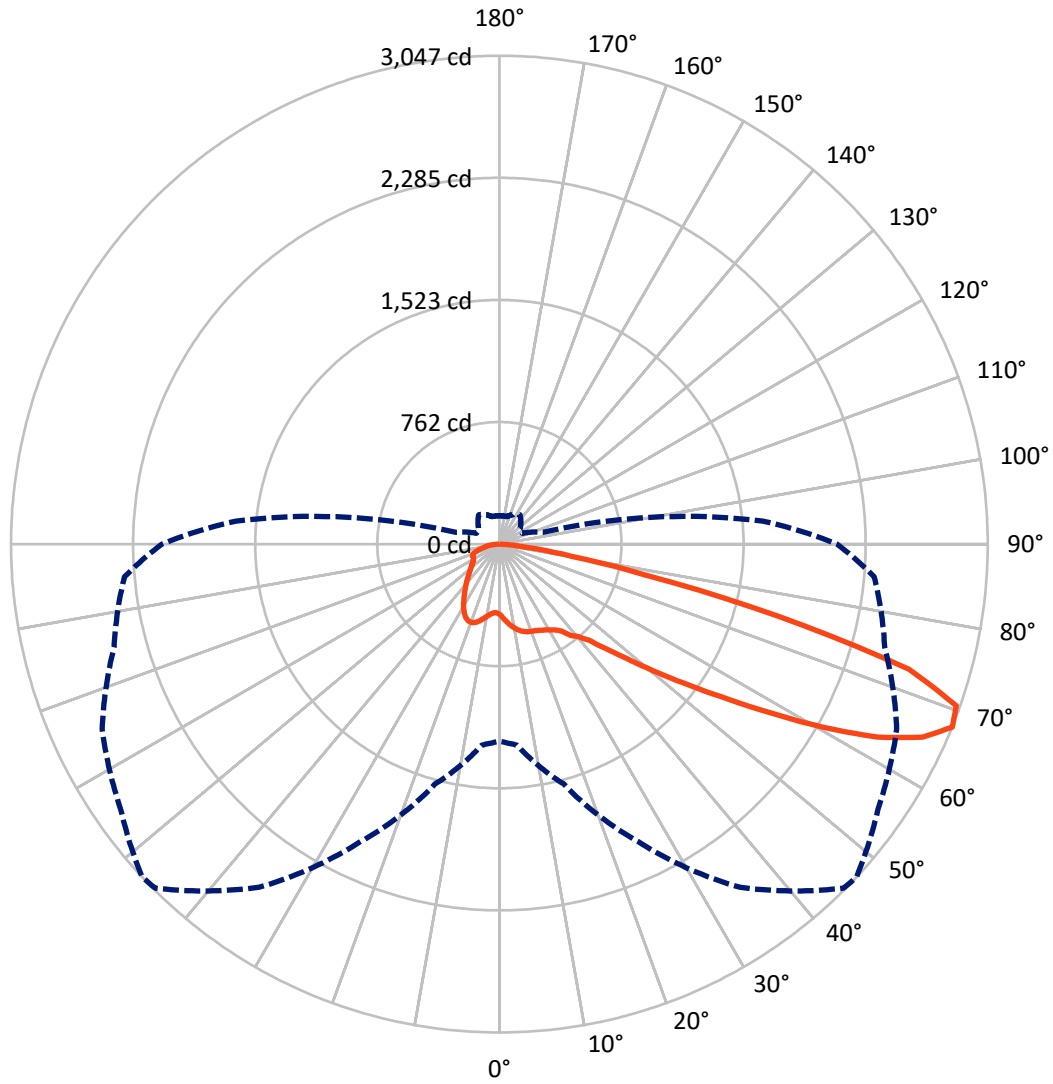
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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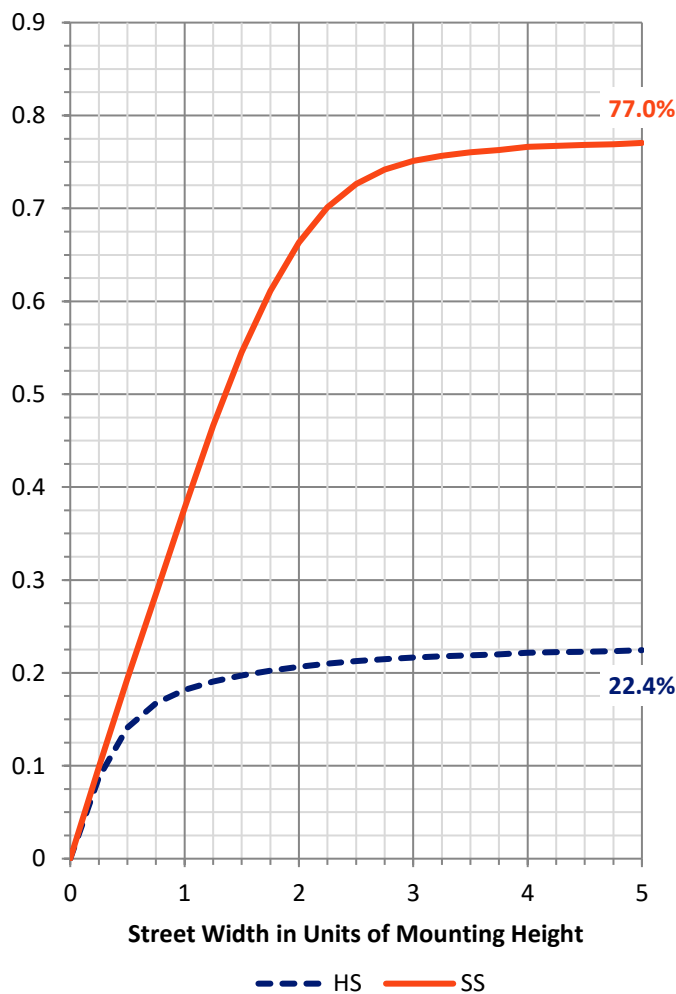
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1009.2	0.0	1009.2
	% Fixture	22.8	0.0	22.8
<b>Street Side</b>	Lumens	3419.1	0.0	3419.1
	% Fixture	77.2	0.0	77.2
<b>Total</b>	Lumens	4428.3	0.0	4428.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	44.9	1.0
10°-20°	149.5	3.4
20°-30°	254.1	5.7
30°-40°	372.2	8.4
40°-50°	567.1	12.8
50°-60°	1014.6	22.9
60°-70°	1353.9	30.6
70°-80°	612.2	13.8
80°-90°	60.0	1.4
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°	4428.3	100.0
0°-180°	4428.3	100.0

**Coefficient of Utilization**



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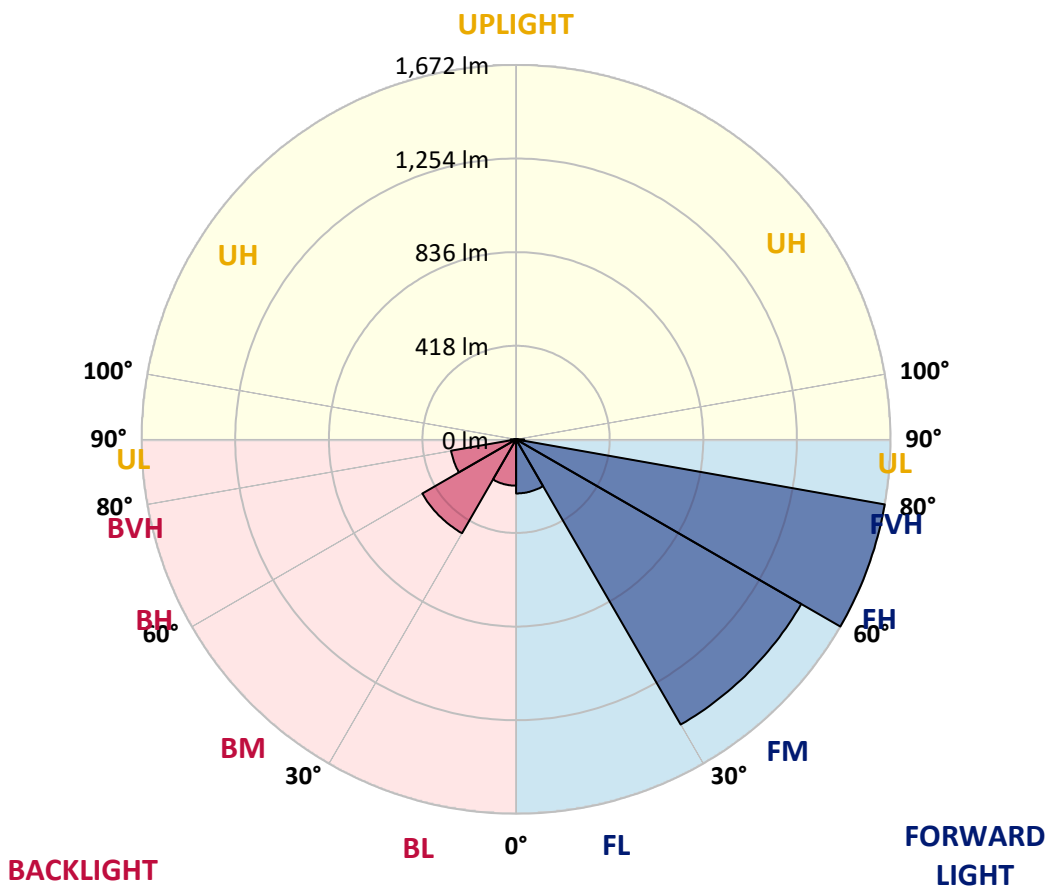
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	241.5	5.5			
FM (30°-60°)	1470.2	33.2			
FH (60°-80°)	1671.6	37.7			G1/1800
FVH (80°-90°)	35.7	0.8			G1/100
BL (0°-30°)	206.9	4.7	B1/500		
BM (30°-60°)	483.6	10.9	B1/1000		
BH (60°-80°)	294.5	6.6	B1/500		G1/500
BVH (80°-90°)	24.3	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°	47°	55°	65°	75°	85°
0°	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0
2.5°	468.1	469.7	469.4	466.8	465.2	462.4	462.7	458.2	451.5	447.0	441.9
5°	509.4	512.0	508.8	504.6	498.2	488.9	488.0	477.7	464.9	456.0	446.7
7.5°	545.3	546.9	543.0	536.0	526.7	514.2	512.0	499.8	483.8	469.7	456.3
10°	573.1	575.1	569.9	560.7	548.5	536.0	534.4	521.9	504.9	488.3	471.3
12.5°	596.8	597.5	592.0	579.5	566.4	553.6	552.0	540.5	524.8	507.8	489.3
15°	610.6	610.9	604.2	590.4	577.9	566.7	565.8	555.9	541.4	525.4	505.6
17.5°	609.6	610.3	605.5	593.3	582.4	575.7	574.7	568.3	557.1	542.7	522.9
20°	597.8	598.4	595.2	587.2	581.5	579.5	579.9	577.9	571.2	559.4	539.2
22.5°	588.5	589.5	586.6	580.8	580.2	584.7	585.6	586.6	583.4	572.8	553.3
25°	593.0	594.6	590.1	582.1	583.4	593.3	595.2	598.4	595.9	586.9	569.9
27.5°	624.1	625.0	613.5	597.2	593.3	603.9	606.8	611.9	610.0	601.6	588.5
30°	696.1	695.5	670.8	630.8	614.8	618.9	621.2	628.5	629.2	623.7	611.2
32.5°	797.6	794.4	756.3	692.6	646.1	635.9	638.5	648.4	655.8	650.0	633.0
35°	904.9	902.0	860.0	785.4	704.1	668.6	665.7	673.4	684.6	668.6	644.2
37.5°	1007.0	1002.5	959.6	867.4	775.5	725.9	721.7	714.0	707.3	676.6	658.0
40°	1120.4	1115.2	1077.8	973.4	854.3	769.7	759.2	728.8	722.7	703.1	693.9
42.5°	1241.4	1241.4	1210.3	1107.5	949.4	832.5	818.7	772.9	779.3	766.5	755.7
45°	1362.4	1365.9	1341.3	1242.7	1076.5	951.0	928.9	863.9	879.3	873.5	868.0
47.5°	1465.5	1472.2	1467.4	1380.7	1232.1	1095.1	1061.4	993.9	1026.9	1040.6	1056.0
50°	1576.6	1584.0	1579.2	1544.9	1414.3	1269.6	1239.5	1169.7	1226.3	1267.6	1317.9
52.5°	1741.5	1752.1	1712.1	1698.9	1635.5	1467.8	1440.9	1361.5	1464.2	1532.8	1644.8
55°	1880.8	1880.5	1866.4	1896.5	1873.1	1710.2	1680.4	1608.3	1739.6	1812.3	1976.2
57.5°	1945.5	1953.2	2001.5	2086.7	2133.4	2006.3	1977.8	1904.2	2035.1	2072.9	2250.0
60°	1978.8	1988.4	2081.9	2250.3	2376.2	2329.7	2318.5	2224.7	2298.3	2293.9	2480.9
62.5°	1932.0	1951.3	2101.4	2325.2	2549.4	2654.7	2651.2	2509.4	2522.2	2478.3	2624.0
65°	1717.5	1738.3	1974.0	2287.8	2648.3	2901.9	2902.9	2767.1	2694.1	2567.9	2600.0
67.5°	1228.3	1258.0	1549.4	2047.0	2613.4	3035.4	3046.6	2884.0	2734.4	2488.5	2347.7
70°	669.5	691.3	919.6	1487.9	2299.0	3003.4	3024.2	2827.6	2556.4	2152.7	1807.2
72.5°	304.2	311.2	427.8	816.5	1570.5	2585.2	2672.3	2523.4	2099.5	1590.1	1149.2
75°	139.3	142.5	186.4	390.6	820.7	1730.0	1791.2	1879.5	1461.0	1004.1	599.1
77.5°	87.4	88.4	106.0	178.7	409.2	863.6	927.9	1119.1	855.6	496.9	250.4
80°	51.6	52.5	66.0	96.7	192.1	395.1	456.3	442.5	402.2	214.5	114.0
82.5°	25.9	26.9	38.1	55.1	104.7	157.2	185.1	186.0	149.9	116.2	64.4
85°	9.3	9.6	12.5	21.8	44.5	51.9	58.0	70.8	73.3	67.6	31.1
87.5°	0.0	0.0	0.3	0.6	1.3	5.1	5.4	10.2	21.5	24.0	12.5
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°	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0	439.0
2.5°	440.3	435.5	433.9	432.3	429.7	428.7	426.8	424.9	424.9	423.0	422.0
5°	442.5	436.1	431.9	430.0	428.4	429.4	429.4	430.0	432.3	431.0	431.6
7.5°	450.5	443.1	437.4	435.8	435.8	439.6	442.2	445.4	449.6	450.2	450.2
10°	464.6	456.0	449.9	448.9	450.5	456.0	459.8	463.6	468.8	469.1	469.7
12.5°	480.0	471.3	465.2	466.5	468.1	475.2	479.3	482.5	487.7	487.7	487.3
15°	496.0	486.4	481.3	483.8	488.6	496.6	497.3	497.6	500.1	499.5	499.2
17.5°	512.6	502.4	498.5	502.4	507.5	511.3	508.1	503.7	502.7	501.4	500.8
20°	529.0	518.4	516.8	519.7	521.3	518.1	508.1	499.8	496.0	494.1	493.4
22.5°	543.0	534.1	533.1	533.1	525.1	513.9	499.2	488.0	482.9	480.3	479.6
25°	559.7	551.4	549.8	541.1	520.6	500.1	480.3	470.0	465.9	464.6	464.9
27.5°	579.2	573.5	568.3	543.7	507.8	475.8	453.4	448.9	447.3	448.9	449.9
30°	603.2	597.5	586.0	540.5	487.3	444.1	422.7	422.3	427.1	431.3	431.9
32.5°	622.8	620.2	601.3	530.2	458.5	409.2	391.0	392.2	400.9	406.6	407.6
35°	638.1	642.3	614.1	513.3	424.3	376.2	361.8	362.5	367.3	375.3	375.6
37.5°	659.9	674.0	625.7	487.3	384.9	347.7	334.6	329.8	329.2	331.4	332.0
40°	703.8	724.9	634.0	449.6	346.8	322.1	307.4	298.1	290.1	284.0	282.1
42.5°	770.1	794.4	638.8	403.8	312.8	296.8	280.2	268.3	254.2	241.4	236.9
45°	891.7	899.7	638.8	355.1	282.7	273.1	256.5	242.4	224.5	209.4	206.2
47.5°	1086.4	1060.8	639.4	308.0	256.2	252.3	237.9	221.9	202.0	189.6	187.6
50°	1379.7	1289.7	652.6	269.0	234.1	234.7	224.1	206.5	188.6	179.3	177.7
52.5°	1712.1	1571.8	687.8	240.1	215.5	220.3	214.5	197.6	181.5	173.5	171.9
55°	2024.6	1831.2	717.9	219.7	199.8	208.1	207.8	192.1	177.7	169.7	168.7
57.5°	2290.3	2008.9	713.4	203.0	186.4	196.9	201.7	188.6	175.1	168.4	167.5
60°	2455.6	2103.0	649.7	187.6	176.1	188.9	198.2	187.6	176.4	174.8	175.1
62.5°	2527.3	2085.7	527.4	176.1	169.4	185.1	202.0	194.4	188.3	192.1	194.4
65°	2415.9	1937.2	388.1	167.5	163.0	186.0	211.0	204.9	188.3	190.8	191.8
67.5°	2106.6	1649.0	280.5	158.8	155.0	188.9	223.8	203.3	177.4	177.4	175.5
70°	1518.0	1186.0	203.6	150.2	147.0	184.8	224.5	192.4	164.9	163.9	159.1
72.5°	913.5	699.6	158.8	140.6	134.8	163.9	210.4	179.6	152.7	144.7	139.0
75°	474.5	350.6	133.2	130.0	115.6	139.0	192.4	159.8	130.6	123.6	120.4
77.5°	203.3	163.9	114.3	115.9	96.1	116.9	155.3	138.3	115.9	106.9	104.1
80°	100.2	93.2	90.3	92.9	76.8	90.3	133.8	121.0	98.3	88.1	83.9
82.5°	57.3	54.4	65.0	66.0	54.8	75.6	113.0	102.5	81.3	70.1	63.4
85°	26.6	28.5	39.4	39.7	33.9	51.9	74.0	57.6	43.2	35.9	34.3
87.5°	10.6	12.5	17.3	17.0	9.9	9.6	6.4	3.5	2.9	2.6	2.2
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)