

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: P629402

Luminaire Tested: GWS-SA1B-750-U-SL3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1B-750-U-SL3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

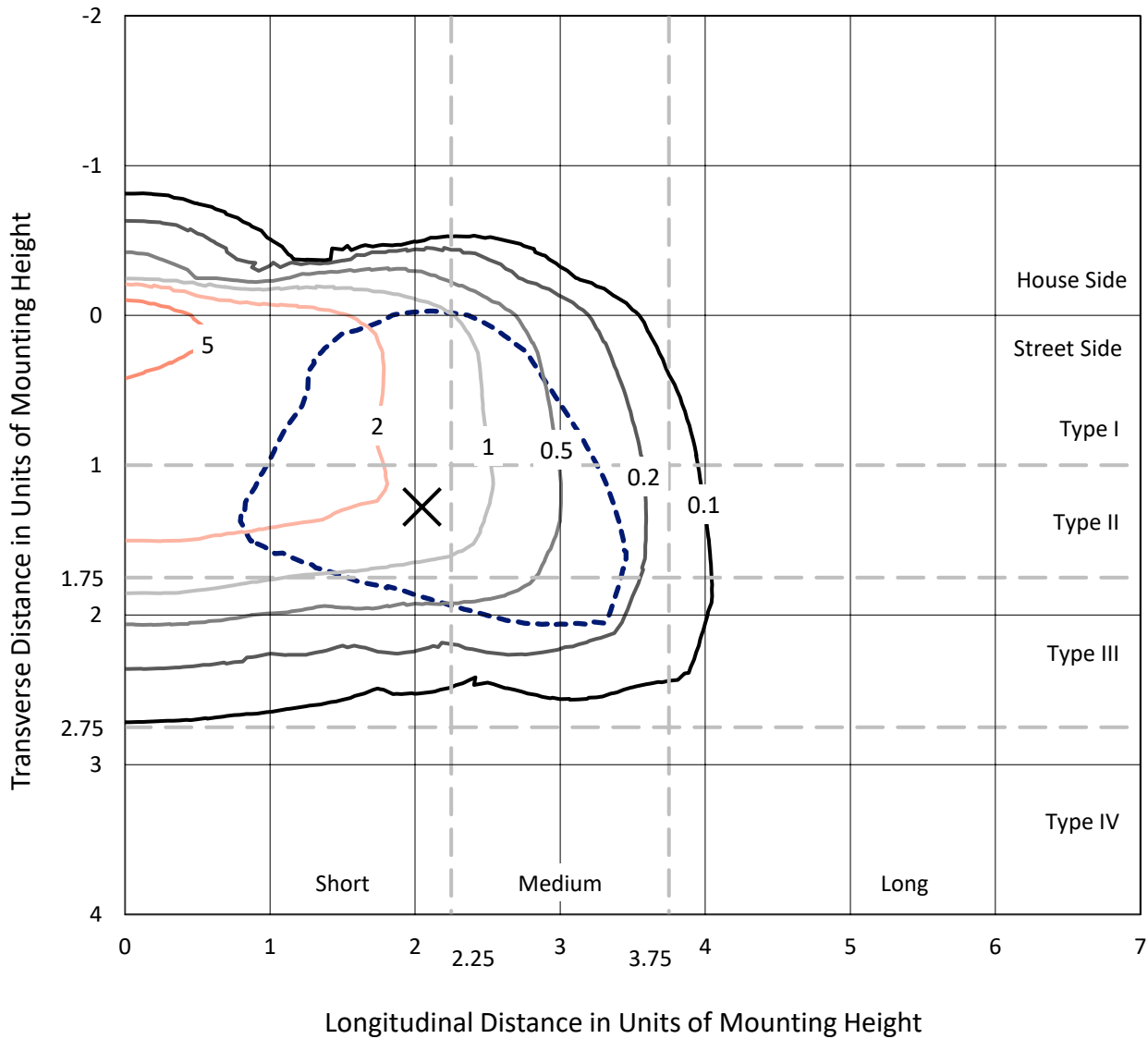
Lumens per Lamp: N/A  
Luminaire Lumens: 2969.3 lumens  
Efficiency: N/A  
Efficacy: 118.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 25  
Input Voltage (V): 120  
Input Current (Ain): 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

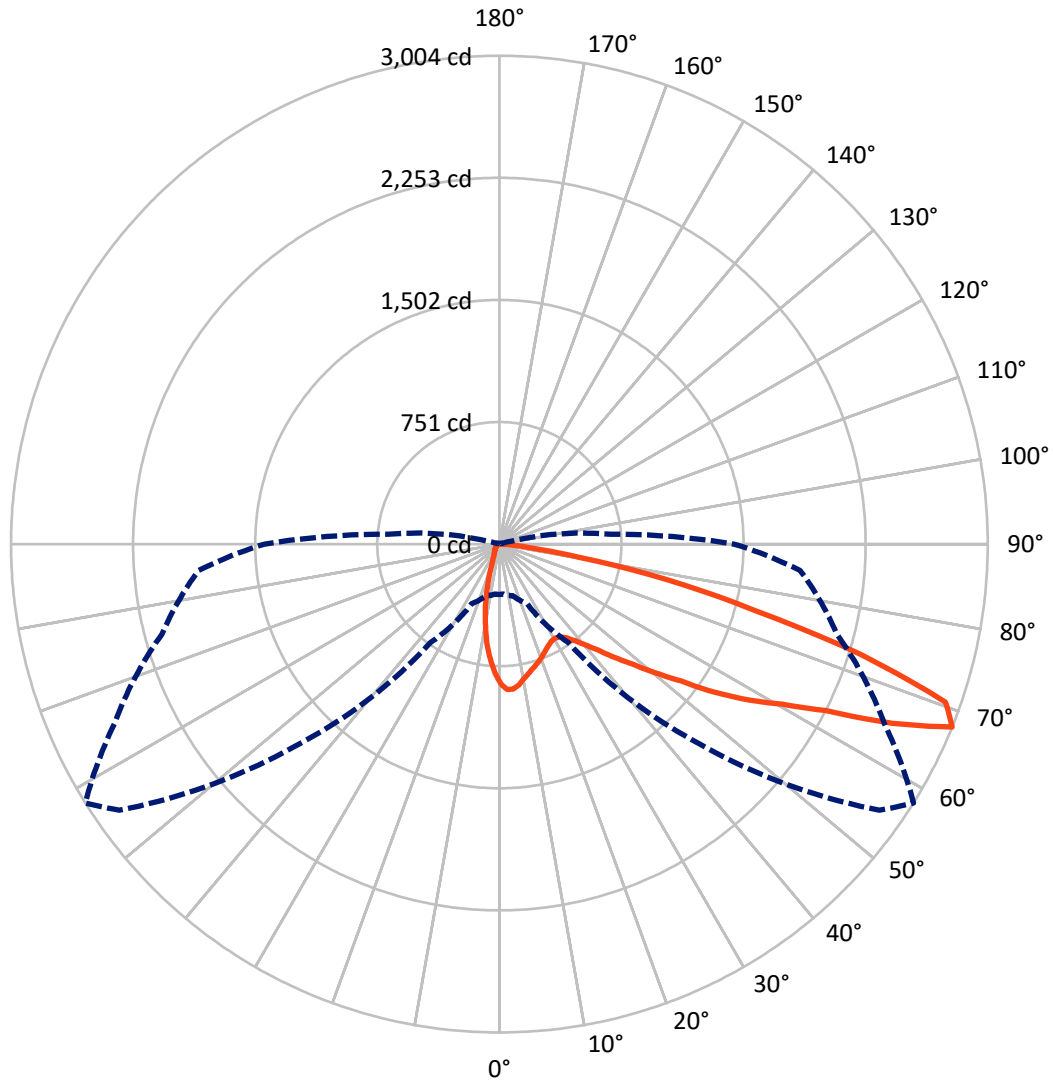
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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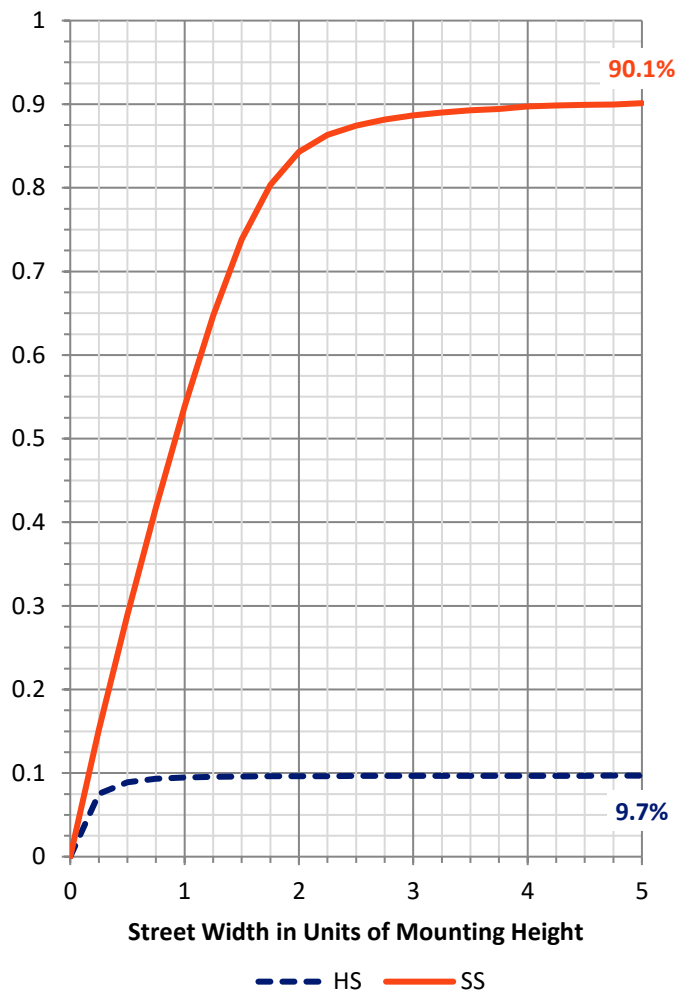
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	290.1	0.0	290.1
	% Fixture	9.8	0.0	9.8
<b>Street Side</b>	Lumens	2679.2	0.0	2679.2
	% Fixture	90.2	0.0	90.2
<b>Total</b>	Lumens	2969.3	0.0	2969.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.6	2.3
10°-20°	144.9	4.9
20°-30°	195.4	6.6
30°-40°	274.5	9.2
40°-50°	424.0	14.3
50°-60°	678.0	22.8
60°-70°	802.9	27.0
70°-80°	355.2	12.0
80°-90°	24.8	0.8
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°	2969.3	100.0
0°-180°	2969.3	100.0

**Coefficient of Utilization**



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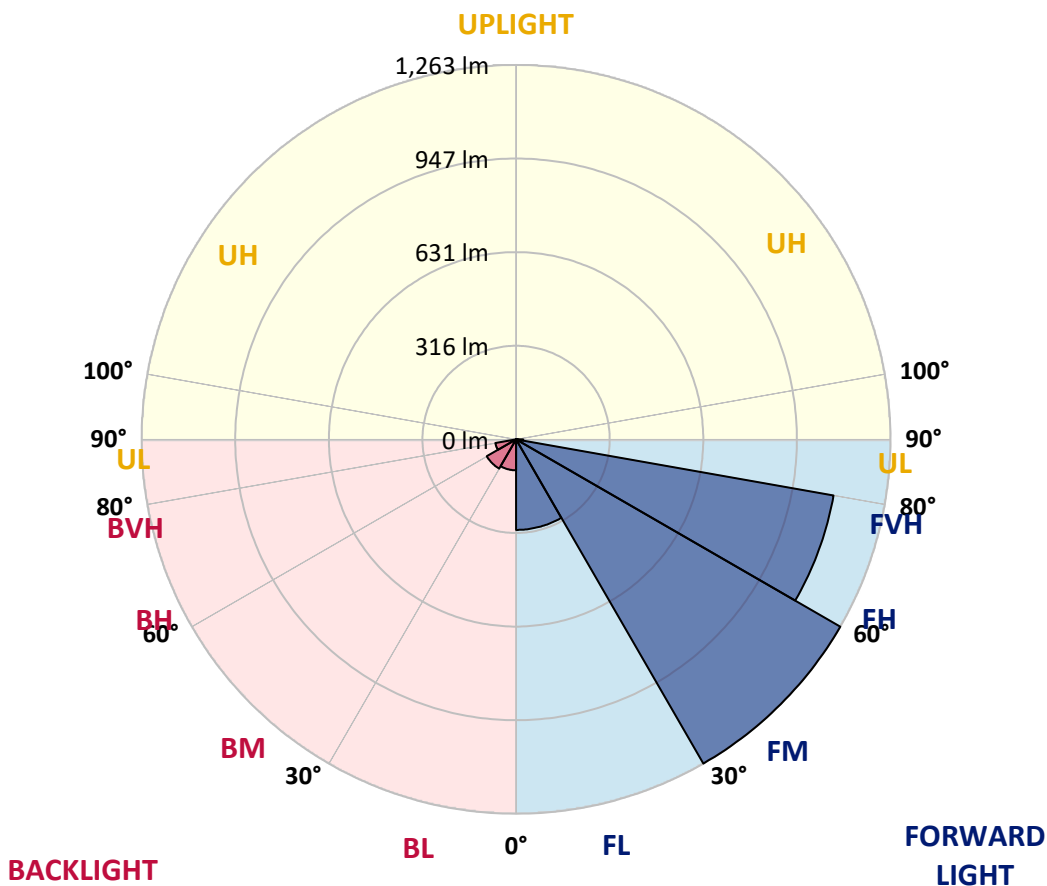
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	305.5	10.3			
FM (30°-60°)	1262.8	42.5			
FH (60°-80°)	1087.2	36.6			G1/1800
FVH (80°-90°)	23.8	0.8			G1/100
BL (0°-30°)	104.4	3.5	B0/110		
BM (30°-60°)	113.8	3.8	B0/220		
BH (60°-80°)	70.8	2.4	B0/110		G0/110
BVH (80°-90°)	1.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	900.9	902.5	904.6	907.2	906.7	904.3	901.4	894.9	890.7	877.5	861.5
5°	872.0	871.7	877.0	882.0	890.9	895.6	902.2	896.2	894.1	878.3	852.3
7.5°	815.5	818.4	824.4	832.3	845.2	859.1	874.9	873.0	879.3	868.8	836.5
10°	760.0	758.5	767.9	779.7	799.5	817.3	840.2	839.9	856.5	855.4	818.6
12.5°	711.4	711.2	718.5	731.9	755.0	780.0	811.0	811.8	832.3	840.7	803.4
15°	670.4	670.9	678.0	692.0	715.9	746.4	782.4	788.9	812.1	829.2	788.4
17.5°	641.2	641.5	645.7	657.8	681.2	713.8	757.1	766.1	795.8	820.5	776.3
20°	627.8	626.8	627.6	633.6	651.8	681.5	731.4	743.0	780.8	814.4	765.3
22.5°	629.7	628.1	624.4	623.6	631.8	654.4	704.1	718.2	764.5	810.8	755.3
25°	646.0	642.6	637.3	629.4	626.3	637.6	680.1	694.9	749.3	811.0	747.7
27.5°	670.9	667.3	660.7	650.2	637.8	633.1	663.8	677.8	738.5	817.1	744.0
30°	702.7	699.9	693.5	680.9	664.4	644.9	660.4	672.0	733.2	829.4	745.6
32.5°	740.3	738.2	733.0	721.4	702.5	672.8	672.0	680.9	737.4	847.3	751.6
35°	776.6	777.4	777.6	771.3	751.1	715.1	703.8	706.9	754.8	874.1	765.3
37.5°	815.8	813.9	823.4	827.8	808.4	770.0	752.9	753.2	787.9	913.8	791.0
40°	845.4	846.0	866.5	884.9	876.7	839.7	815.2	815.0	838.9	968.2	832.6
42.5°	873.3	876.7	906.9	938.5	949.8	916.9	899.3	892.8	910.4	1041.8	894.9
45°	903.0	908.0	950.3	995.2	1024.9	1005.5	991.6	994.2	996.3	1127.4	978.7
47.5°	937.7	940.8	993.1	1056.5	1111.9	1106.9	1107.7	1104.6	1103.5	1235.5	1089.6
50°	979.7	987.1	1047.3	1123.0	1198.7	1231.8	1242.8	1244.1	1227.0	1353.2	1204.4
52.5°	1069.1	1078.0	1129.5	1195.8	1293.3	1362.9	1407.9	1398.9	1372.6	1467.2	1330.3
55°	1174.5	1181.3	1231.0	1299.6	1408.9	1506.7	1613.4	1609.7	1545.3	1587.3	1433.9
57.5°	1184.5	1192.1	1269.1	1374.2	1557.4	1684.3	1796.5	1808.4	1714.0	1672.5	1526.4
60°	1072.2	1087.8	1192.9	1334.3	1614.2	1923.2	1997.3	1999.7	1837.8	1759.0	1639.4
62.5°	859.4	866.7	972.6	1157.1	1526.6	2062.5	2304.0	2254.1	1996.8	1892.7	1818.4
65°	450.4	480.4	572.7	776.9	1238.1	2013.9	2673.0	2659.3	2282.7	2084.3	1957.6
67.5°	309.1	308.8	330.6	405.0	738.2	1734.0	2854.1	3004.4	2613.3	2150.0	1856.7
70°	235.2	236.0	255.4	303.8	382.4	1154.2	2655.4	2912.4	2674.8	1952.1	1501.7
72.5°	156.1	157.7	190.0	245.5	305.4	565.8	2063.6	2330.3	2250.7	1567.9	1057.0
75°	93.3	94.6	117.7	178.4	271.5	316.7	1311.1	1611.0	1549.2	1080.7	566.6
77.5°	38.4	39.4	60.4	111.2	198.7	246.0	725.1	1054.1	928.0	429.7	154.8
80°	16.0	16.6	29.2	77.8	143.2	154.3	335.9	495.4	380.3	92.5	47.3
82.5°	5.8	6.0	10.8	42.8	89.1	116.2	169.5	195.8	107.2	30.2	25.5
85°	0.3	0.3	2.6	14.5	33.9	32.9	97.0	93.8	35.5	12.6	15.2
87.5°	0.0	0.0	0.3	0.3	0.5	1.3	9.2	16.3	7.6	3.2	6.6
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°	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5	856.5
2.5°	851.0	837.0	821.8	807.6	785.0	771.6	755.0	747.7	737.2	734.5	736.1
5°	833.6	809.7	773.2	740.1	697.2	662.8	628.1	613.4	594.5	581.9	576.6
7.5°	809.2	777.9	720.9	660.7	601.8	539.0	491.2	459.6	431.0	415.2	412.1
10°	784.5	743.7	662.0	575.8	484.6	409.5	344.8	297.0	258.1	240.5	226.8
12.5°	759.0	708.3	602.1	489.6	383.7	281.2	201.3	154.8	126.9	115.9	117.7
15°	735.6	674.1	542.7	403.4	270.2	169.8	111.2	93.8	87.3	85.1	84.9
17.5°	713.3	641.8	483.6	319.6	178.2	104.1	85.1	80.9	79.1	78.1	78.1
20°	693.0	610.8	425.7	240.7	115.1	82.5	77.0	74.9	73.3	72.5	72.5
22.5°	674.1	580.8	369.2	170.3	84.9	74.1	70.7	68.6	66.8	65.7	65.7
25°	657.0	553.7	315.4	117.2	73.1	67.8	64.1	61.8	58.6	56.8	56.8
27.5°	644.7	529.6	263.6	85.4	66.0	61.0	56.8	53.6	50.2	48.1	47.6
30°	637.3	509.1	211.3	70.2	59.4	54.4	49.7	45.7	41.8	39.7	39.4
32.5°	633.1	490.1	163.5	61.2	53.9	48.1	42.8	38.6	34.7	32.3	32.1
35°	634.7	475.4	122.5	55.2	48.6	42.6	36.8	32.6	29.2	27.1	26.5
37.5°	648.3	468.8	92.0	50.5	44.2	37.8	31.8	27.9	24.7	23.1	22.9
40°	674.9	470.2	72.3	46.8	40.5	33.1	27.3	23.7	21.3	20.0	19.7
42.5°	716.1	481.2	59.7	43.6	36.5	28.9	23.7	20.8	18.4	17.1	16.8
45°	777.6	504.1	52.0	39.9	32.3	25.0	20.5	17.9	15.8	14.2	13.9
47.5°	866.7	543.7	47.0	36.5	28.6	21.6	17.6	15.0	13.1	11.8	11.6
50°	961.6	591.3	42.8	33.1	25.5	18.7	15.0	12.4	10.8	9.5	9.2
52.5°	1062.8	642.6	39.7	30.0	22.6	16.0	12.6	10.2	8.7	7.4	7.1
55°	1160.0	694.1	36.0	27.9	19.2	13.7	10.5	8.4	6.8	5.8	5.8
57.5°	1254.6	741.4	32.1	24.4	15.8	11.6	8.7	6.8	5.5	4.7	4.5
60°	1367.6	806.8	27.6	20.8	13.1	9.7	7.1	5.5	4.5	3.7	3.7
62.5°	1535.6	874.9	23.7	17.3	11.0	8.1	5.8	4.5	3.7	3.2	2.9
65°	1590.5	838.1	20.0	14.2	8.9	6.6	4.7	3.9	3.2	2.9	2.6
67.5°	1443.9	687.0	16.6	11.6	7.4	5.5	4.2	3.4	2.9	2.6	2.4
70°	1126.7	487.5	12.9	8.7	6.0	4.5	3.7	3.2	2.6	2.4	2.4
72.5°	766.3	288.3	10.2	6.6	5.0	3.9	3.2	2.9	2.6	2.4	2.1
75°	377.4	102.5	7.9	5.0	3.9	3.4	2.9	2.6	2.4	2.1	2.1
77.5°	101.7	28.4	6.0	3.9	3.2	2.6	2.6	2.6	2.4	1.8	1.8
80°	34.4	11.8	4.5	2.9	2.6	2.1	1.8	2.4	2.1	1.8	1.6
82.5°	18.9	5.8	3.2	2.4	1.8	1.6	1.6	1.6	1.6	1.3	1.3
85°	12.1	3.2	2.1	1.8	1.8	1.3	1.1	1.1	0.8	0.8	0.8
87.5°	5.5	1.8	1.8	1.6	1.6	1.3	0.8	0.5	0.3	0.3	0.3
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)