

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: P629838

Luminaire Tested: GWS-SA1C-740-U-SL2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629838  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-740-U-SL2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

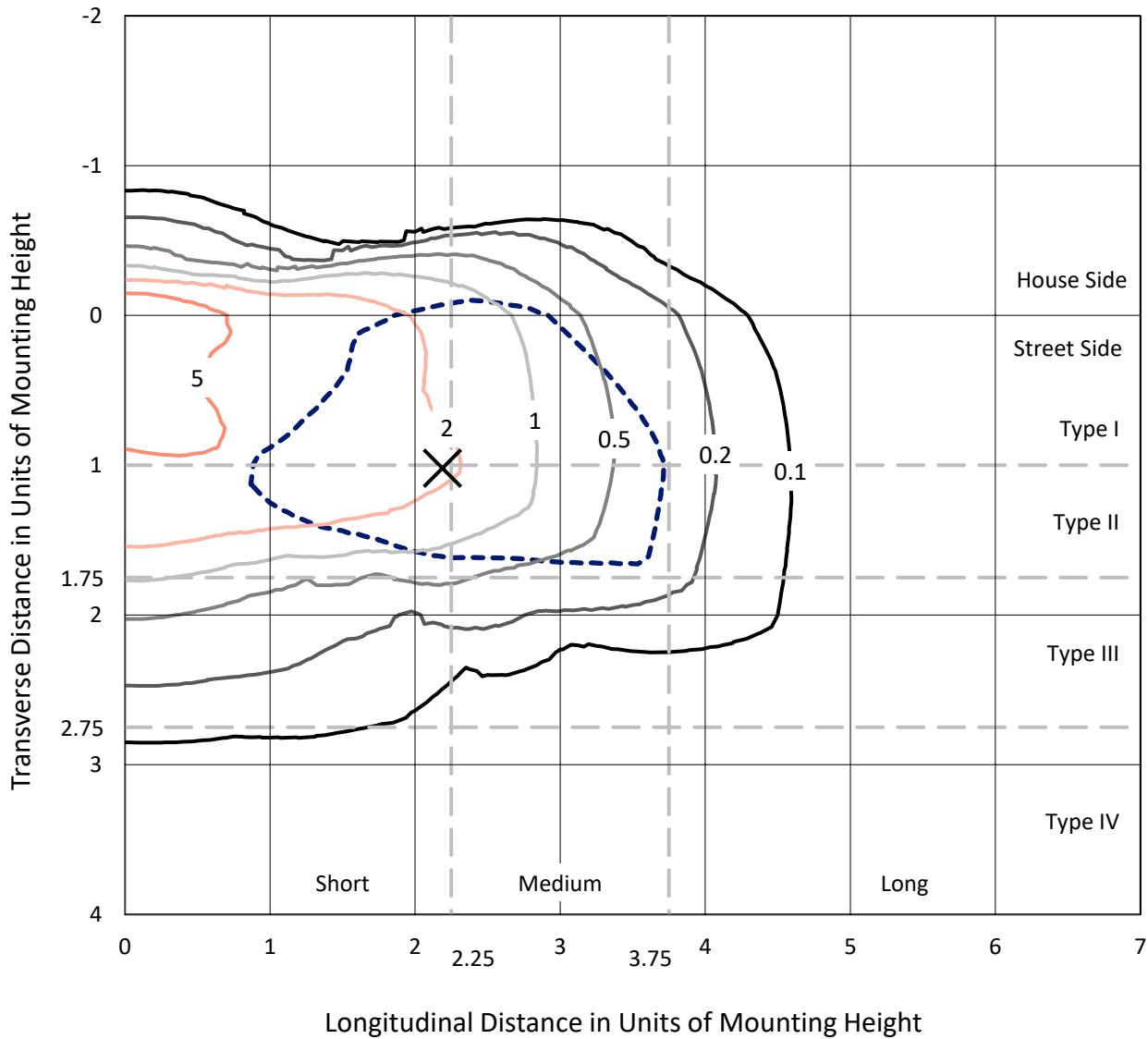
Lumens per Lamp: N/A  
Luminaire Lumens: 3810.2 lumens  
Efficiency: N/A  
Efficacy: 111.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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

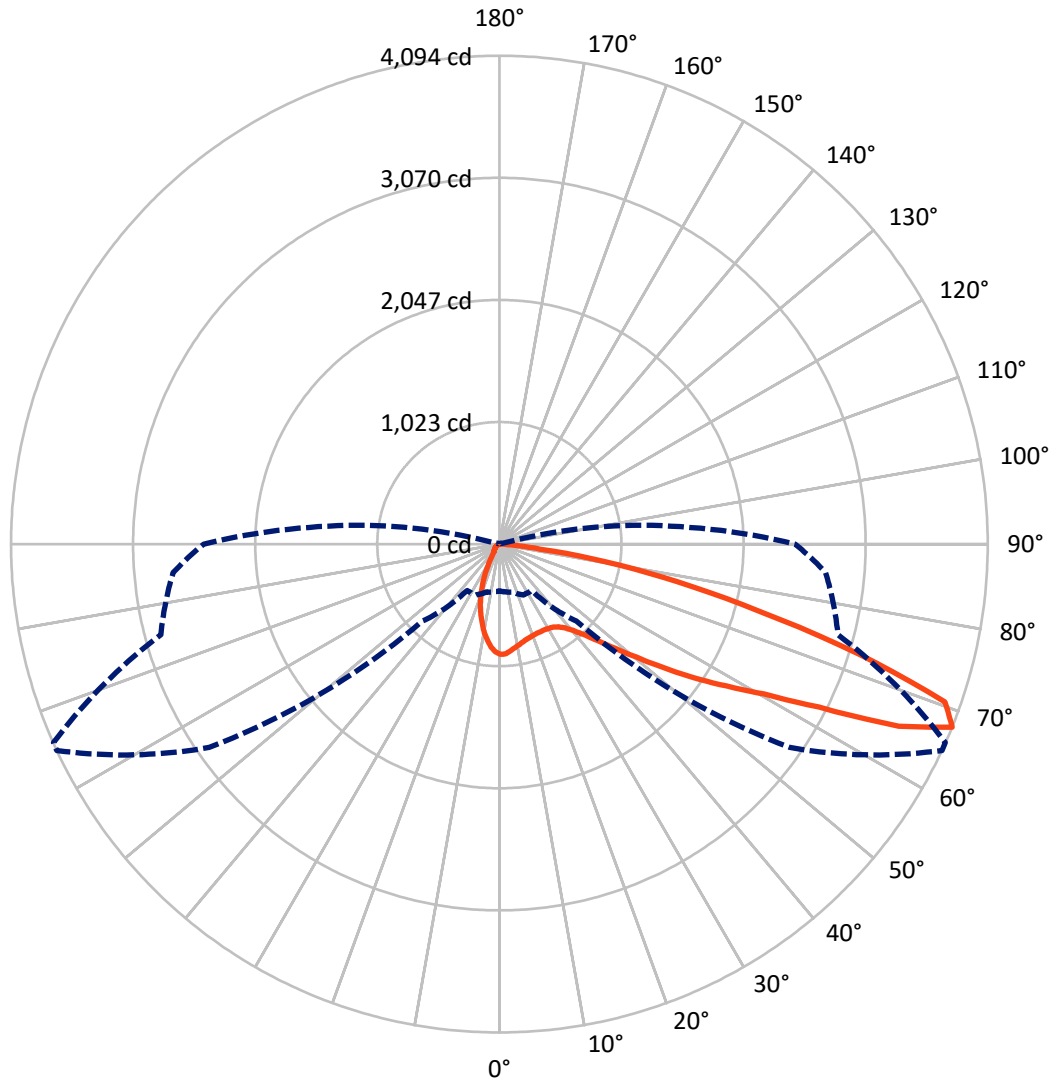
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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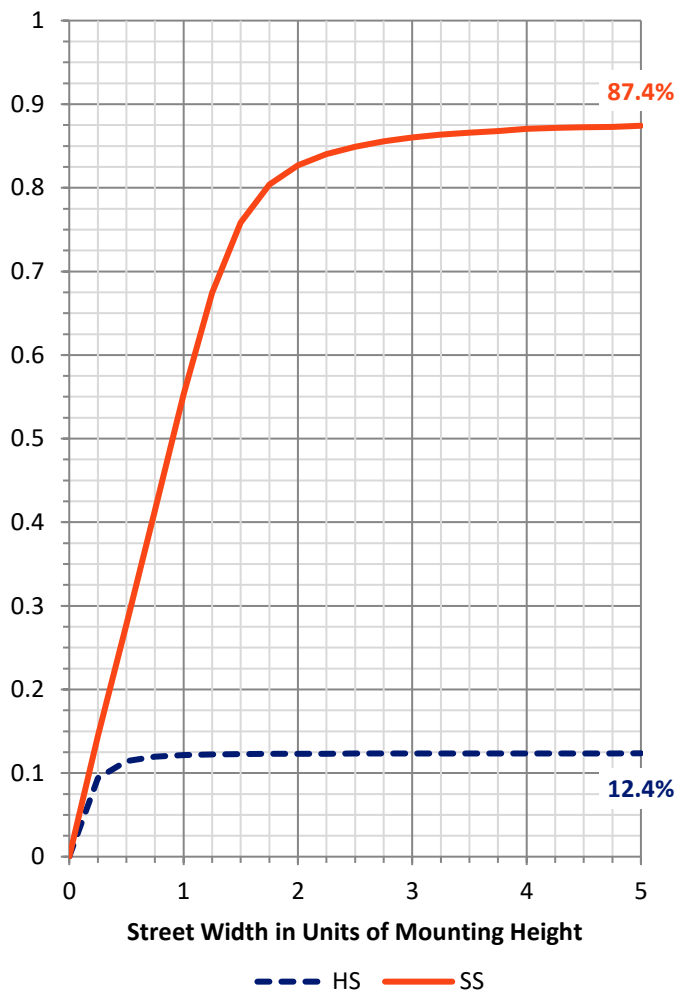
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	475.8	0.0	475.8
	% Fixture	12.5	0.0	12.5
<b>Street Side</b>	Lumens	3334.4	0.0	3334.4
	% Fixture	87.5	0.0	87.5
<b>Total</b>	Lumens	3810.2	0.0	3810.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	76.8	2.0
10°-20°	172.5	4.5
20°-30°	246.5	6.5
30°-40°	358.7	9.4
40°-50°	561.8	14.7
50°-60°	876.4	23.0
60°-70°	962.6	25.3
70°-80°	512.3	13.4
80°-90°	42.6	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°	3810.2	100.0
0°-180°	3810.2	100.0

**Coefficient of Utilization**

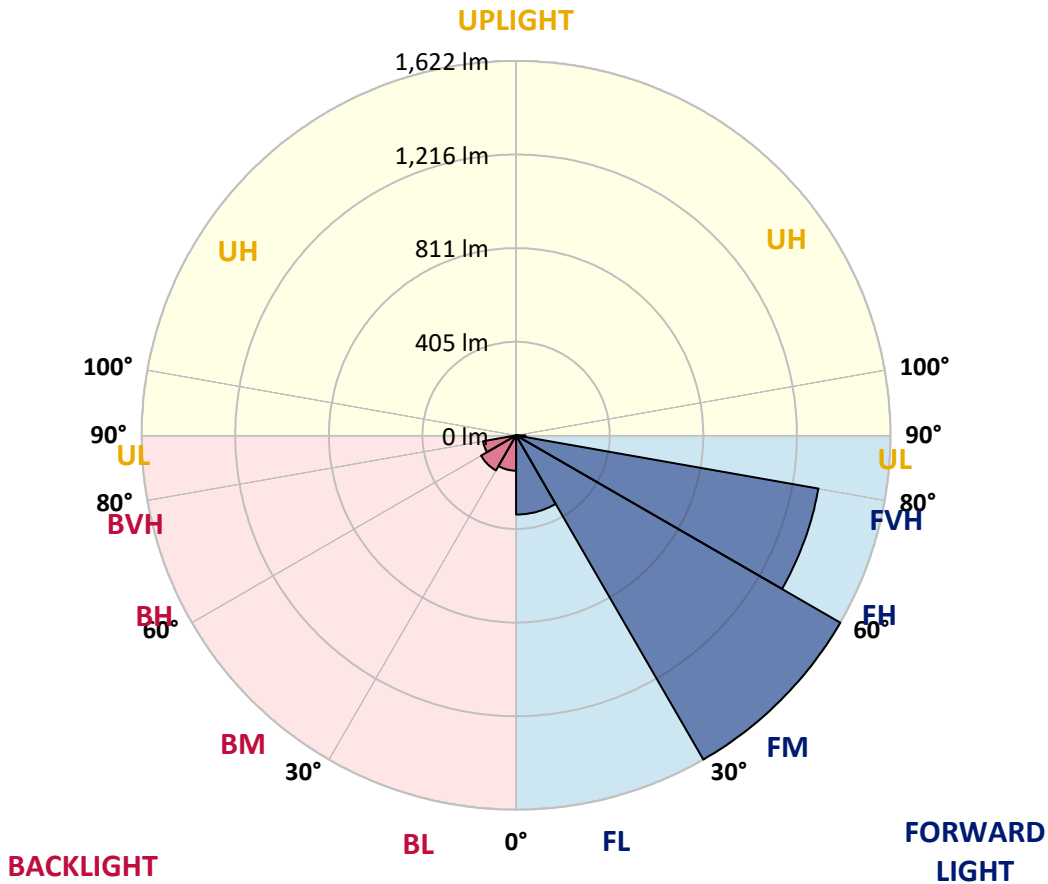


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	342.9	9.0			
FM (30°-60°)	1621.5	42.6			
FH (60°-80°)	1329.6	34.9			G1/1800
FVH (80°-90°)	40.4	1.1			G1/100
BL (0°-30°)	152.9	4.0	B1/500		
BM (30°-60°)	175.2	4.6	B0/220		
BH (60°-80°)	145.3	3.8	B1/500		G1/500
BVH (80°-90°)	2.3	0.1			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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	892.1	894.8	891.0	900.3	902.0	912.4	918.2	922.4	922.0	927.2	927.2
5°	839.7	842.4	840.4	850.4	858.3	874.5	887.9	903.4	904.1	920.0	925.8
7.5°	795.2	795.6	795.6	808.0	818.3	838.3	858.3	882.1	884.8	909.3	924.8
10°	758.7	759.7	760.1	774.2	785.6	809.7	835.2	863.8	866.9	900.0	924.1
12.5°	733.6	733.9	735.3	750.1	762.5	787.7	813.5	846.2	850.4	889.3	921.0
15°	721.5	720.8	721.5	733.9	746.3	770.4	797.0	832.1	836.6	880.3	921.3
17.5°	720.8	719.8	719.1	728.4	736.3	757.7	784.5	822.8	827.6	876.2	925.1
20°	730.8	730.1	726.7	730.8	732.5	750.1	776.6	815.6	820.4	875.5	933.4
22.5°	757.0	755.3	750.1	746.3	737.0	747.3	771.1	810.4	815.9	877.2	944.1
25°	795.9	795.2	788.7	779.4	755.6	751.5	771.5	810.4	815.6	879.3	955.4
27.5°	854.5	850.4	842.1	825.9	791.8	767.7	778.3	812.5	817.6	882.1	964.8
30°	914.1	913.8	911.0	894.5	843.8	798.7	792.8	818.0	822.8	884.5	973.4
32.5°	975.8	976.8	983.7	971.0	915.5	844.8	819.0	829.3	832.8	889.3	980.9
35°	1034.4	1036.4	1054.7	1059.2	1002.7	914.8	861.7	852.1	852.4	900.0	990.9
37.5°	1090.5	1097.4	1126.7	1148.4	1111.2	999.6	923.4	890.7	887.9	921.3	1006.1
40°	1154.3	1167.3	1204.2	1241.1	1229.4	1111.5	1007.5	949.9	944.1	960.6	1033.3
42.5°	1224.9	1239.0	1287.9	1339.6	1345.1	1246.9	1112.6	1036.4	1026.4	1026.8	1084.3
45°	1300.7	1319.6	1376.5	1450.9	1484.3	1397.9	1242.1	1153.2	1143.2	1128.4	1166.3
47.5°	1400.3	1416.8	1471.6	1557.4	1621.5	1559.8	1412.0	1303.4	1285.2	1263.5	1293.8
50°	1486.1	1500.5	1547.7	1655.2	1788.6	1768.6	1604.6	1491.2	1473.7	1436.8	1461.9
52.5°	1505.0	1516.4	1559.8	1680.7	1916.4	2032.2	1840.6	1718.3	1705.9	1637.7	1647.3
55°	1419.9	1437.1	1476.1	1610.4	1949.8	2289.9	2146.9	1974.3	1948.5	1839.6	1856.8
57.5°	1204.9	1235.6	1272.1	1446.8	1859.2	2427.0	2574.9	2245.5	2222.0	2033.9	2034.2
60°	883.1	907.9	932.4	1092.2	1644.2	2417.7	2963.2	2550.0	2507.3	2192.7	2186.9
62.5°	642.2	655.0	654.7	711.5	1129.1	2258.6	3167.1	3009.0	2909.4	2362.6	2329.2
65°	505.1	504.8	519.6	538.2	630.5	1743.4	3192.3	3679.1	3571.6	2590.4	2520.8
67.5°	393.1	400.7	415.5	470.3	473.8	912.4	2971.1	4093.6	4091.6	2938.0	2745.1
70°	303.2	313.5	334.6	414.5	437.6	510.6	2223.1	3962.4	3995.8	3093.4	2586.2
72.5°	194.7	194.0	225.0	334.9	420.4	425.5	1229.4	3147.5	3185.4	2801.9	2091.1
75°	108.9	109.6	127.1	205.0	391.8	400.4	608.8	2244.4	2274.4	2184.5	1606.7
77.5°	42.7	44.1	59.6	107.8	258.4	357.6	361.8	1530.5	1535.0	1353.8	985.4
80°	17.2	18.3	30.3	66.8	157.5	240.8	258.4	901.7	883.4	524.1	286.7
82.5°	5.2	5.5	12.1	37.9	82.3	171.2	174.3	345.9	326.6	112.7	73.0
85°	0.3	0.3	2.8	11.7	29.3	43.1	116.1	112.7	99.9	28.3	32.4
87.5°	0.0	0.0	0.3	0.3	0.7	1.4	12.4	20.7	21.0	5.2	14.5
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°	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1	924.1
2.5°	927.2	914.8	913.8	904.1	894.5	882.4	868.3	857.9	850.7	838.0	835.5
5°	925.8	909.3	893.8	866.2	835.5	802.5	773.5	746.6	729.8	718.4	713.6
7.5°	923.1	902.0	866.2	814.2	762.8	705.0	659.8	618.5	590.2	573.7	566.4
10°	921.0	892.7	834.5	755.6	676.0	596.1	527.5	466.2	432.1	405.2	400.7
12.5°	916.9	879.3	793.9	687.0	584.4	478.2	390.7	315.6	263.6	240.2	231.9
15°	912.7	865.2	753.2	614.7	484.4	353.5	247.4	175.0	139.2	128.2	127.5
17.5°	912.0	852.4	709.1	546.1	379.7	231.5	140.9	113.4	105.8	103.0	103.0
20°	914.1	841.7	665.7	467.2	276.7	140.9	105.1	98.2	93.7	91.3	91.3
22.5°	916.2	830.7	624.0	387.6	183.6	103.0	92.7	86.8	81.7	78.9	77.5
25°	917.5	818.7	577.8	307.7	119.9	89.6	81.3	73.7	67.5	64.1	64.1
27.5°	917.2	804.2	531.3	229.5	93.0	79.6	69.6	61.7	55.5	51.7	52.0
30°	914.4	788.3	483.1	160.2	81.3	69.6	59.6	51.3	45.1	42.0	41.7
32.5°	912.4	771.5	427.2	112.7	73.0	61.0	50.6	42.7	37.6	35.1	34.8
35°	910.0	754.9	374.2	85.8	65.8	52.7	42.7	36.2	32.0	30.0	30.0
37.5°	910.7	737.7	316.6	73.7	58.6	45.8	36.5	31.0	27.6	25.5	25.2
40°	921.3	727.4	260.1	66.8	52.0	39.6	31.7	26.9	23.4	21.4	21.0
42.5°	947.9	727.7	206.0	61.7	46.2	33.8	27.6	23.1	20.0	17.6	17.2
45°	1000.9	742.2	158.2	56.2	40.0	29.3	23.8	19.6	16.5	14.5	14.1
47.5°	1087.8	785.2	119.9	51.3	34.8	25.5	20.3	16.5	13.8	12.1	11.7
50°	1225.9	863.1	94.4	45.5	29.3	22.1	17.2	13.8	11.4	9.6	9.3
52.5°	1392.0	979.9	81.0	40.3	25.2	19.3	14.8	11.4	9.3	7.9	7.6
55°	1582.9	1119.5	74.8	35.1	21.4	16.5	12.1	9.3	7.6	6.5	5.9
57.5°	1757.9	1245.2	74.4	30.0	18.3	14.1	10.0	7.9	6.5	5.2	4.8
60°	1928.5	1350.3	69.9	24.8	15.8	11.7	8.6	6.5	5.5	4.5	4.1
62.5°	2083.2	1435.8	58.6	20.0	13.4	9.6	7.2	5.9	4.8	3.8	3.8
65°	2277.5	1544.6	44.8	16.2	11.0	7.9	6.2	5.2	4.5	3.4	3.4
67.5°	2478.4	1602.2	32.0	13.4	9.0	6.9	5.5	4.8	3.8	3.1	3.1
70°	2244.8	1353.8	23.1	11.0	7.6	5.9	4.8	4.5	3.8	3.1	2.8
72.5°	1753.1	976.1	17.2	8.6	6.5	5.5	4.5	4.1	3.4	2.8	2.8
75°	1300.0	569.2	13.1	6.9	5.2	4.5	4.5	4.1	3.4	2.8	2.4
77.5°	706.7	198.5	10.0	5.5	4.1	3.4	3.8	3.8	3.1	2.4	2.1
80°	187.1	54.4	6.9	4.1	3.4	2.8	2.8	3.4	2.8	2.1	2.1
82.5°	54.4	15.8	4.8	3.4	2.8	2.4	2.4	2.4	2.1	1.7	1.4
85°	26.5	5.9	3.4	2.8	2.4	2.1	1.7	1.7	1.4	1.0	1.0
87.5°	11.7	2.4	2.8	2.4	2.4	1.7	1.4	1.0	1.0	0.7	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)