

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: P630955

Luminaire Tested: GWS-SA1E-760-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P630955  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1E-760-U-T2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

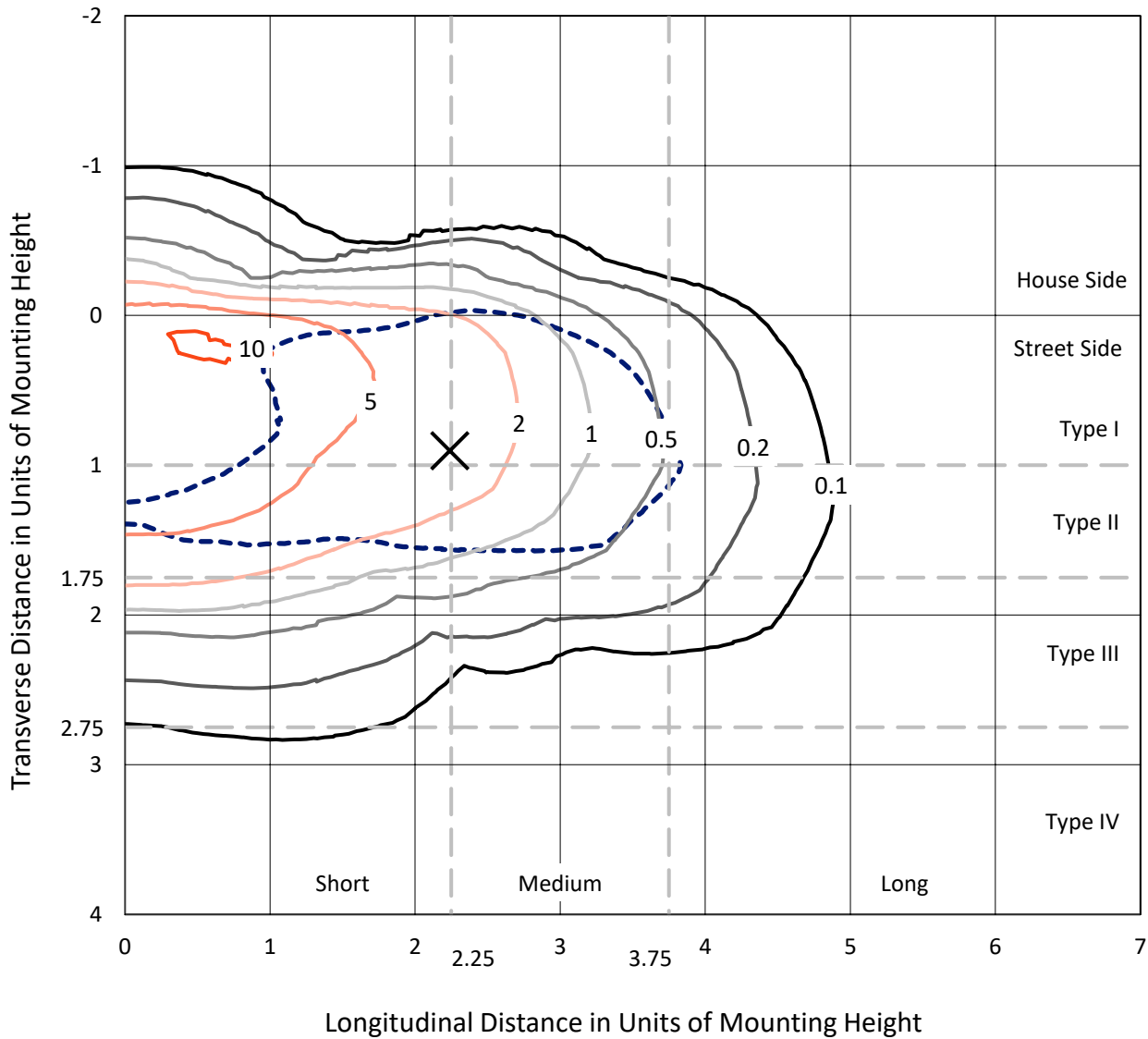
Lumens per Lamp: N/A  
Luminaire Lumens: 5726.6 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 58.4  
Input Voltage (V): 120  
Input Current (Ain): 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

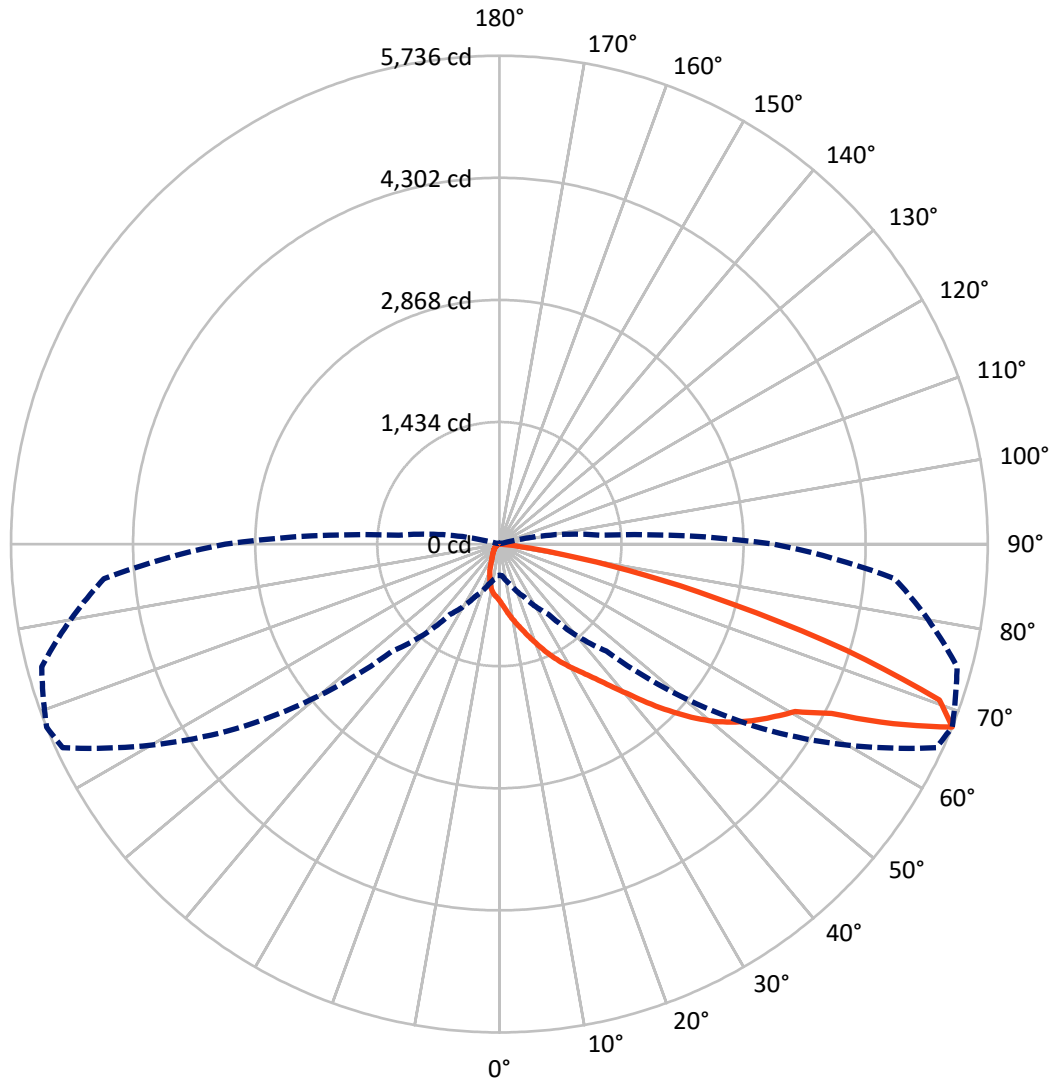
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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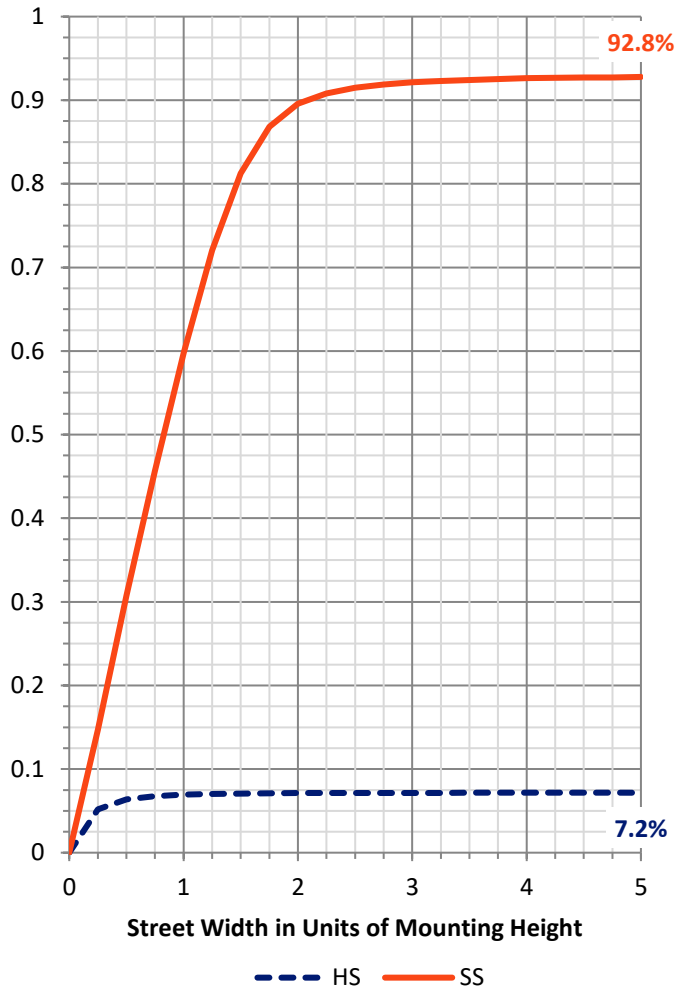
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	413.5	0.0	413.5
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	5313.1	0.0	5313.1
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	5726.6	0.0	5726.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.0	1.1
10°-20°	186.7	3.3
20°-30°	320.8	5.6
30°-40°	557.7	9.7
40°-50°	973.1	17.0
50°-60°	1467.7	25.6
60°-70°	1471.7	25.7
70°-80°	649.3	11.3
80°-90°	34.7	0.6
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°	5726.6	100.0
0°-180°	5726.6	100.0

**Coefficient of Utilization**



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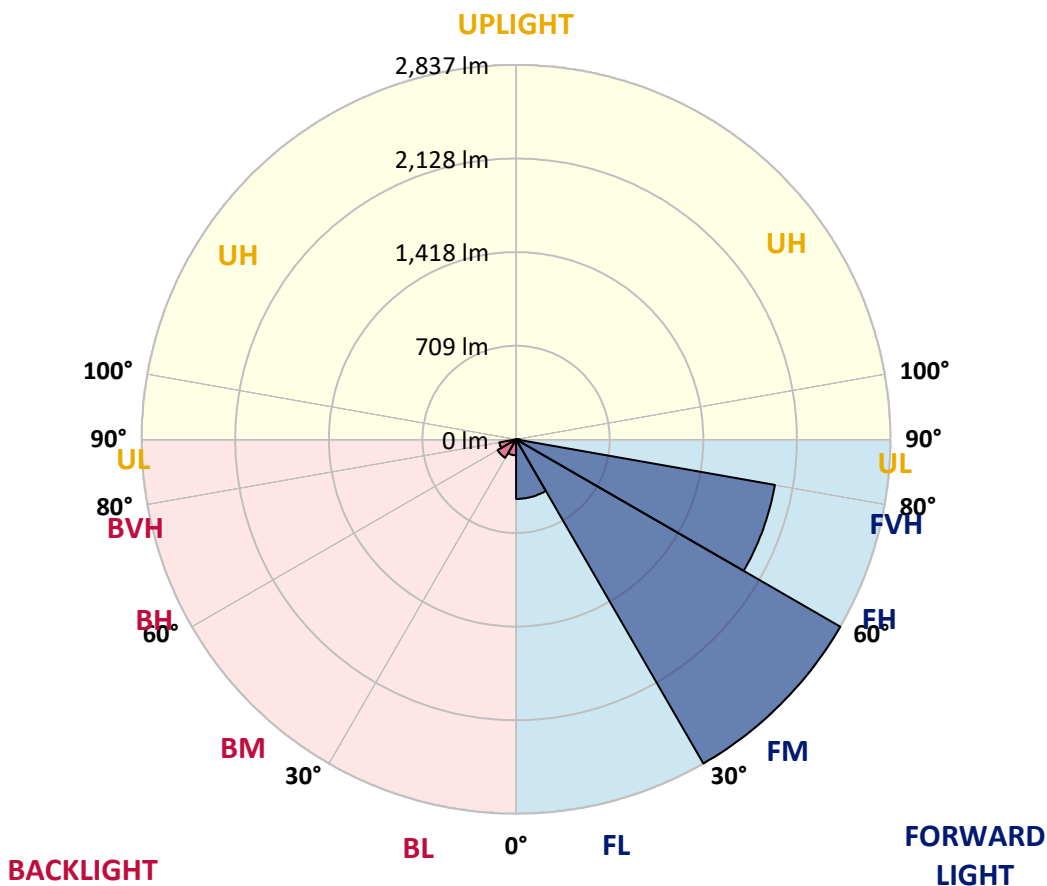
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	451.4	7.9			
FM (30°-60°)	2836.9	49.5			
FH (60°-80°)	1992.0	34.8			G2/5000
FVH (80°-90°)	32.7	0.6			G1/100
BL (0°-30°)	121.0	2.1	B1/500		
BM (30°-60°)	161.5	2.8	B0/220		
BH (60°-80°)	129.0	2.3	B1/500		G1/500
BVH (80°-90°)	2.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4
2.5°	776.0	781.0	776.0	777.1	762.9	756.3	742.1	722.3	717.4	704.8	685.6
5°	870.9	875.2	870.3	869.2	852.8	840.7	817.1	783.2	773.3	748.6	710.8
7.5°	922.4	925.1	926.8	929.5	923.5	913.6	892.2	850.0	839.6	799.6	746.4
10°	927.9	930.0	938.3	954.7	966.8	972.8	960.7	921.8	905.4	866.5	790.3
12.5°	912.5	915.8	928.9	956.3	989.8	1020.5	1028.1	994.2	979.4	929.5	841.8
15°	892.2	895.0	913.1	950.3	1000.7	1057.2	1089.0	1074.2	1057.7	1005.7	898.8
17.5°	861.0	864.8	890.0	940.5	1005.7	1086.2	1154.7	1159.7	1148.2	1091.7	961.8
20°	843.5	846.2	868.7	920.7	1002.4	1107.6	1216.1	1262.7	1250.1	1190.9	1034.2
22.5°	858.2	860.4	875.2	915.8	991.4	1119.7	1273.1	1365.7	1358.6	1297.2	1110.4
25°	936.1	943.2	934.4	941.6	996.4	1126.2	1319.2	1468.8	1470.4	1408.5	1189.3
27.5°	1093.9	1084.6	1063.8	1028.1	1034.7	1143.8	1358.6	1565.8	1580.0	1517.0	1259.4
30°	1254.5	1249.0	1236.4	1181.1	1135.0	1182.7	1392.1	1665.0	1687.5	1623.9	1321.9
32.5°	1434.8	1440.3	1417.8	1351.5	1273.1	1261.6	1426.6	1759.2	1801.4	1745.0	1395.3
35°	1650.2	1651.8	1607.4	1534.0	1445.2	1392.1	1488.5	1863.4	1941.2	1899.5	1493.4
37.5°	1860.1	1870.0	1845.8	1730.2	1651.3	1554.3	1591.0	1997.1	2106.7	2090.3	1616.8
40°	2045.9	2061.2	2053.5	1941.7	1838.2	1756.5	1749.9	2153.8	2306.7	2325.4	1779.5
42.5°	2193.9	2203.7	2209.7	2130.3	2038.8	1992.7	1946.1	2335.8	2543.0	2619.1	1979.0
45°	2350.0	2353.3	2365.9	2312.2	2232.2	2236.1	2178.0	2556.7	2791.8	2944.7	2208.1
47.5°	2549.0	2559.9	2553.9	2497.5	2425.1	2468.4	2417.5	2784.1	3037.3	3292.1	2442.7
50°	2791.2	2802.7	2797.3	2731.5	2650.9	2669.0	2637.2	3005.0	3274.1	3619.9	2637.8
52.5°	2916.2	2925.5	2993.5	3023.1	2980.9	2865.8	2824.7	3247.8	3474.1	3889.5	2817.0
55°	2855.9	2862.5	3010.4	3135.4	3290.0	3174.9	3013.2	3435.2	3650.6	4100.0	2950.2
57.5°	2606.0	2641.6	2842.7	3054.3	3379.3	3480.1	3319.0	3639.1	3820.5	4246.3	3081.1
60°	2093.6	2091.9	2380.2	2760.0	3205.0	3564.0	3750.9	3914.7	3990.9	4358.7	3256.5
62.5°	1156.9	1167.3	1551.0	2051.4	2720.5	3347.0	4074.8	4391.0	4379.5	4554.9	3531.1
65°	576.0	596.8	805.1	1175.0	1810.2	2766.0	4130.7	5117.7	5084.8	5016.9	4098.3
67.5°	365.6	373.8	488.9	682.9	1006.2	1777.9	3782.7	5659.7	5735.9	5564.9	4661.2
70°	236.8	250.5	339.8	466.9	607.2	916.3	2770.9	5308.4	5483.3	5504.6	4310.4
72.5°	128.8	138.7	217.0	333.2	438.4	458.2	1556.5	3983.8	4264.9	4669.4	3372.2
75°	73.4	80.6	118.9	226.3	321.7	279.0	690.0	2666.8	2846.0	3337.1	2416.4
77.5°	44.4	50.4	66.9	110.2	201.7	186.3	260.9	1623.3	1737.3	1991.1	1268.2
80°	20.3	24.1	42.2	60.8	110.2	88.2	99.7	756.9	781.5	817.1	419.8
82.5°	9.3	11.0	19.2	36.2	62.5	51.0	38.4	174.8	246.1	232.9	106.9
85°	1.1	1.1	7.1	14.8	17.5	13.2	15.9	39.5	49.9	70.2	30.7
87.5°	0.0	0.0	0.5	0.5	1.1	1.6	3.3	4.9	7.1	11.5	7.7
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°	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4	666.4
2.5°	676.8	661.5	647.8	627.5	613.8	598.5	588.1	575.5	570.5	566.7	561.2
5°	692.2	667.5	634.1	596.8	566.1	537.1	510.2	492.7	477.4	475.2	467.5
7.5°	717.4	680.7	624.2	563.4	511.3	463.1	425.3	394.6	379.3	374.3	365.6
10°	750.8	700.4	609.4	516.3	441.2	383.6	340.9	306.4	282.2	273.5	266.9
12.5°	788.1	718.5	585.9	458.2	372.7	306.9	252.7	215.9	200.6	195.1	190.2
15°	830.8	735.5	548.6	400.1	305.8	225.8	187.4	171.5	165.0	163.3	161.7
17.5°	871.9	746.4	504.2	339.8	235.1	175.4	157.3	151.3	149.6	148.0	146.9
20°	918.5	754.1	452.1	282.8	182.5	148.5	139.8	135.4	132.1	128.8	128.2
22.5°	966.2	754.1	395.7	226.9	152.9	133.2	123.3	115.1	109.1	105.8	104.7
25°	1011.7	743.7	339.8	181.4	134.8	118.4	105.8	96.5	88.2	84.4	83.3
27.5°	1044.0	716.9	291.0	153.5	122.2	105.2	89.9	79.5	72.9	69.1	68.5
30°	1064.3	676.8	246.1	137.0	111.3	91.5	76.2	67.4	62.5	59.7	58.6
32.5°	1079.7	627.5	206.1	125.5	100.8	79.5	66.3	59.2	54.8	52.6	52.1
35°	1110.4	580.9	176.5	115.1	89.9	69.6	58.1	52.6	49.3	46.6	46.0
37.5°	1153.1	542.0	152.9	105.8	79.5	61.9	52.6	47.7	44.9	42.2	41.7
40°	1216.1	517.4	135.4	96.5	70.2	55.9	48.2	43.8	40.0	37.3	36.7
42.5°	1313.1	505.9	123.9	87.1	61.9	50.4	44.4	38.9	35.1	32.3	31.8
45°	1428.8	511.9	114.0	77.8	56.4	46.6	39.5	34.0	30.1	27.4	26.9
47.5°	1552.6	533.3	105.8	69.1	51.0	42.7	35.1	29.0	25.8	23.0	22.5
50°	1682.0	568.3	98.6	60.8	46.6	38.4	30.1	25.2	21.9	19.7	19.2
52.5°	1794.3	616.0	91.5	54.8	42.7	34.0	26.3	21.9	18.6	16.4	15.9
55°	1901.7	661.0	86.0	49.3	38.4	29.6	23.0	18.6	15.9	13.7	13.2
57.5°	2018.5	708.6	79.5	44.4	34.5	26.3	20.3	15.9	13.7	11.5	11.0
60°	2188.4	779.3	69.6	40.6	30.1	23.0	17.5	14.2	12.1	9.3	8.8
62.5°	2433.3	908.1	58.6	35.1	25.8	19.7	14.8	12.1	9.9	7.7	6.6
65°	2891.5	1127.3	48.2	29.0	20.8	16.4	12.6	9.9	7.7	5.5	4.9
67.5°	3221.4	1184.3	38.9	23.6	17.0	12.6	10.4	7.7	5.5	3.8	3.3
70°	2816.4	850.6	30.1	19.2	14.2	9.9	8.2	6.0	3.8	2.7	2.2
72.5°	2122.1	555.7	22.5	14.8	11.0	8.2	6.0	4.9	3.3	2.2	1.6
75°	1495.6	321.2	16.4	11.0	7.7	6.0	4.9	3.8	2.7	1.6	1.6
77.5°	766.7	132.6	11.5	7.7	5.5	3.8	3.3	2.2	2.2	1.6	1.1
80°	232.9	43.8	6.6	4.9	3.8	2.7	1.6	1.6	1.6	1.1	0.5
82.5°	53.2	14.2	3.8	3.8	2.7	2.2	1.6	0.5	0.5	0.0	0.0
85°	13.7	4.4	3.3	2.7	2.7	2.2	1.1	0.5	0.0	0.0	0.0
87.5°	4.9	2.7	2.7	2.7	2.2	1.6	1.1	0.0	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)