

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: P629973

Luminaire Tested: GWS-SA1C-760-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P629973  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA1C-760-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (16) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

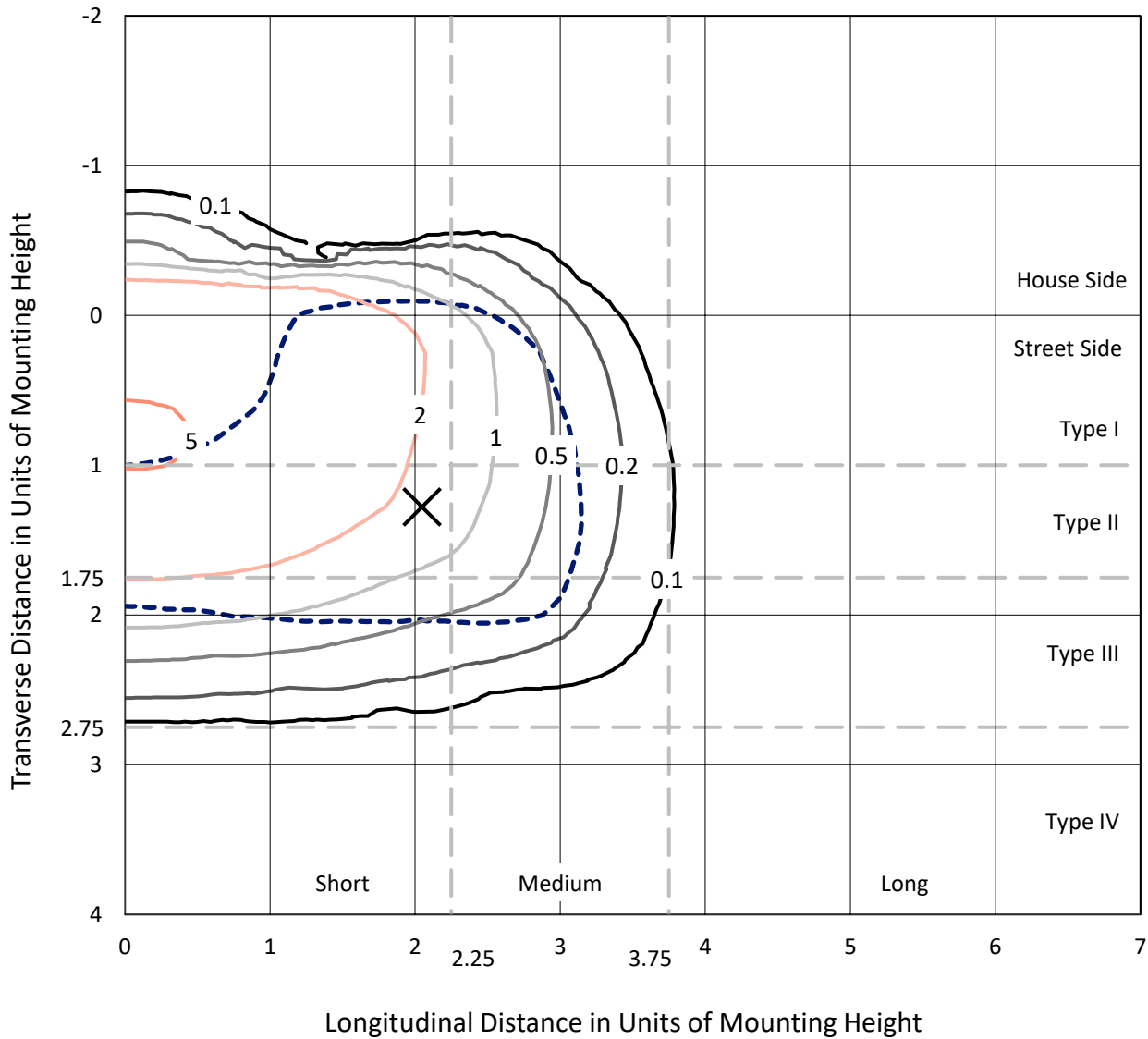
Lumens per Lamp: N/A  
Luminaire Lumens: 3560.1 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 34.1  
Input Voltage (V): 120  
Input Current (Ain): 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



REPORT NUMBER: P629973  
 CATALOG NUMBER: GWS-SA1C-760-U-T3-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

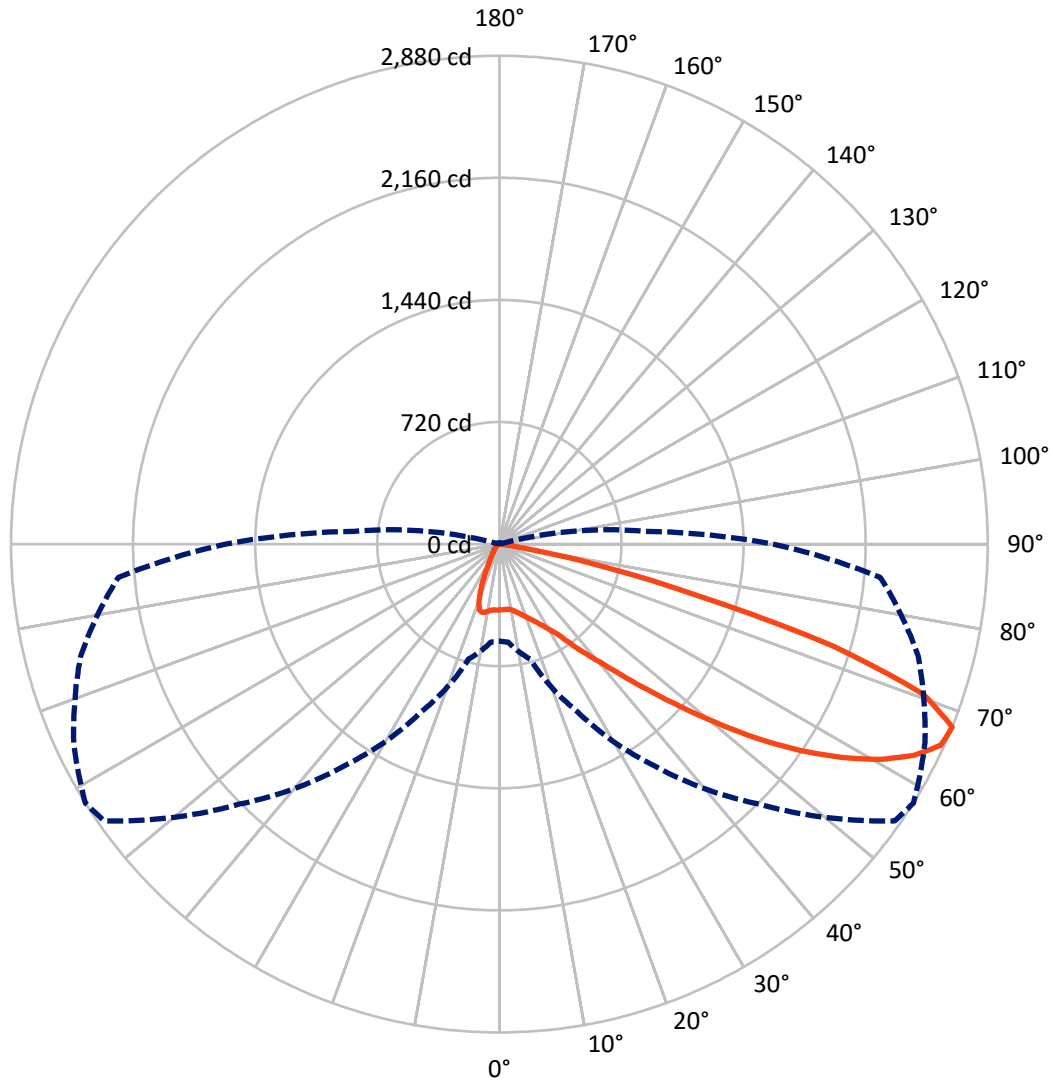
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - N/A

REPORT NUMBER: P629973  
CATALOG NUMBER: GWS-SA1C-760-U-T3-W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P629973

CATALOG NUMBER: GWS-SA1C-760-U-T3-W-HSS

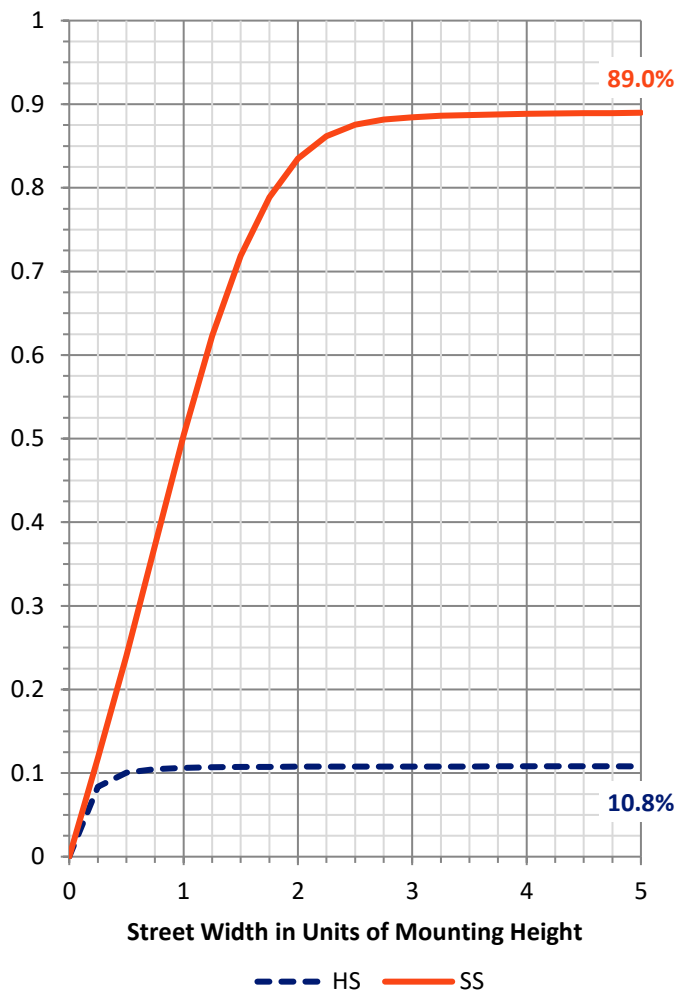
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	388.4	0.0	388.4
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	3171.7	0.0	3171.7
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	3560.1	0.0	3560.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.4	1.0
10°-20°	102.3	2.9
20°-30°	178.6	5.0
30°-40°	319.0	9.0
40°-50°	583.0	16.4
50°-60°	969.6	27.2
60°-70°	1053.1	29.6
70°-80°	309.2	8.7
80°-90°	8.8	0.2
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°	3560.1	100.0
0°-180°	3560.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P629973

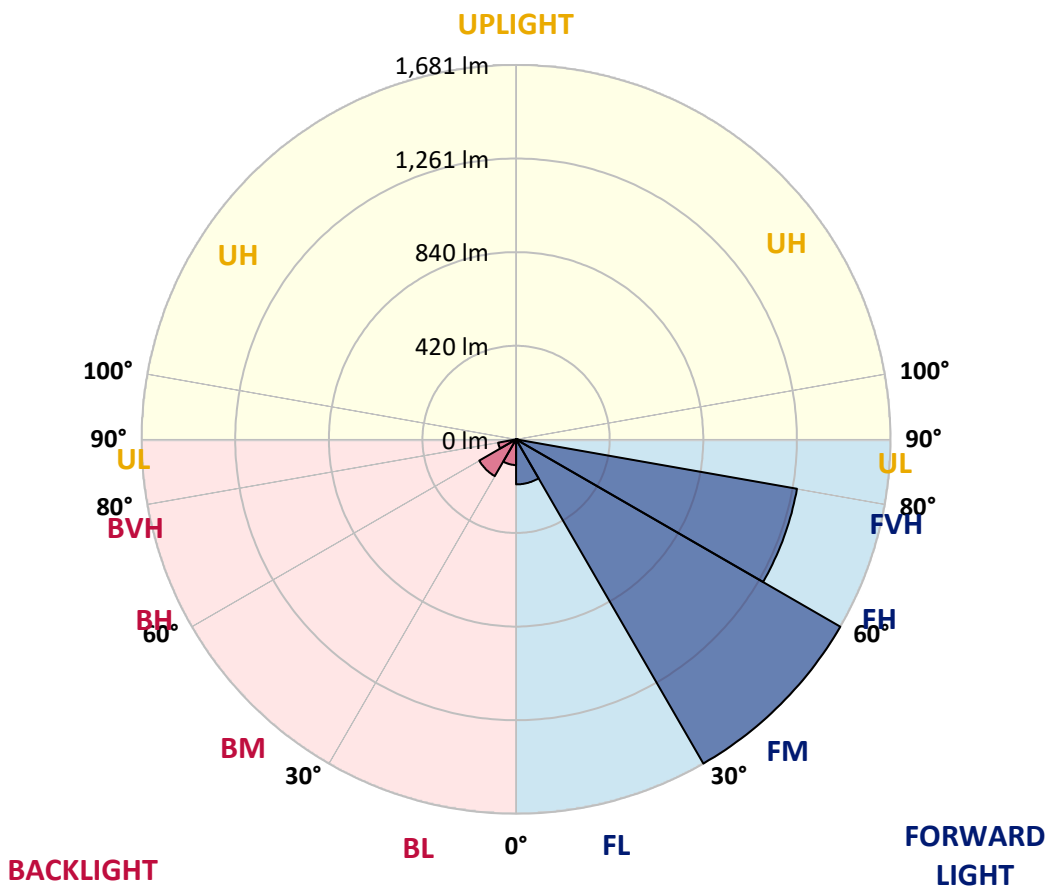
CATALOG NUMBER: GWS-SA1C-760-U-T3-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	202.2	5.7			
FM (30°-60°)	1680.8	47.2			
FH (60°-80°)	1280.4	36.0			G1/1800
FVH (80°-90°)	8.4	0.2			G0/10
BL (0°-30°)	115.2	3.2	B1/500		
BM (30°-60°)	190.8	5.4	B0/220		
BH (60°-80°)	82.0	2.3	B0/110		G0/110
BVH (80°-90°)	0.4	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-G1**

Type III Short





REPORT NUMBER: P629973

CATALOG NUMBER: GWS-SA1C-760-U-T3-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9
2.5°	380.6	379.9	379.9	382.7	383.1	384.5	387.6	387.9	389.7	389.0	386.6
5°	360.8	361.2	363.3	368.1	372.3	377.5	385.2	386.9	390.7	392.8	391.4
7.5°	342.4	342.8	345.9	353.5	361.5	372.0	384.5	387.9	395.6	401.2	401.5
10°	335.5	335.1	338.2	346.9	357.4	372.0	390.0	394.5	406.0	415.8	417.5
12.5°	337.5	337.2	340.3	348.3	359.8	378.2	399.8	406.0	420.6	435.6	438.7
15°	345.9	345.5	347.6	354.2	366.7	385.9	412.3	421.7	440.1	458.2	463.0
17.5°	370.9	369.2	367.1	367.8	375.1	394.9	428.3	439.7	462.7	484.2	488.4
20°	415.4	410.9	405.3	398.0	394.5	408.1	446.7	459.9	487.7	512.4	513.1
22.5°	482.5	480.8	467.9	446.7	431.7	432.1	468.2	483.5	517.6	544.7	540.9
25°	576.0	575.0	555.2	520.4	481.5	468.2	495.7	511.3	553.1	581.9	569.8
27.5°	692.1	684.8	661.5	614.6	556.5	515.2	530.5	544.4	590.6	617.7	594.8
30°	793.3	793.6	771.7	722.7	657.4	585.7	572.9	585.0	625.0	653.5	625.7
32.5°	890.6	893.7	869.7	825.6	754.0	677.9	633.7	635.8	669.2	700.1	666.4
35°	981.0	983.4	966.7	929.2	862.4	774.2	718.5	717.5	735.6	767.2	723.1
37.5°	1082.1	1084.6	1068.2	1034.5	971.9	884.3	814.8	813.4	820.7	846.5	796.1
40°	1189.9	1194.4	1176.3	1147.8	1088.1	1014.0	926.8	914.2	906.9	937.2	890.6
42.5°	1299.1	1306.0	1299.8	1271.2	1220.1	1159.0	1072.1	1052.6	1037.0	1074.8	1025.5
45°	1434.6	1443.0	1440.2	1418.3	1378.7	1329.0	1246.9	1224.3	1217.0	1252.1	1193.4
47.5°	1565.0	1574.0	1584.1	1579.2	1551.1	1528.1	1437.1	1424.2	1422.1	1459.7	1368.6
50°	1662.0	1670.3	1708.9	1736.7	1755.8	1751.0	1672.1	1652.9	1649.8	1673.8	1553.5
52.5°	1731.5	1739.5	1792.7	1879.6	1949.8	1988.0	1908.4	1904.3	1887.2	1878.9	1726.6
55°	1785.4	1796.5	1852.5	1983.9	2125.4	2210.2	2160.5	2145.5	2101.7	2053.7	1887.2
57.5°	1796.2	1800.7	1879.6	2056.9	2261.6	2398.9	2398.9	2372.9	2288.4	2222.0	2072.9
60°	1699.5	1713.4	1820.1	2051.0	2320.0	2522.3	2596.7	2578.6	2464.6	2382.9	2251.5
62.5°	1485.0	1500.7	1630.7	1909.5	2261.6	2547.7	2746.5	2743.8	2615.1	2516.1	2399.6
65°	1138.8	1150.3	1263.6	1597.3	2014.8	2450.0	2853.6	2861.3	2734.0	2604.0	2450.7
67.5°	572.2	580.2	702.5	1091.2	1597.0	2168.8	2846.3	2880.4	2770.2	2557.4	2255.7
70°	199.9	207.9	265.6	468.2	971.9	1656.1	2600.2	2655.8	2557.8	2183.1	1664.1
72.5°	68.5	72.3	110.2	173.8	378.2	981.7	1977.3	2061.0	1885.5	1465.6	956.3
75°	38.9	41.4	59.1	94.2	158.5	322.9	1121.8	1173.2	1099.2	798.8	393.5
77.5°	26.4	28.5	36.8	53.5	87.6	103.9	457.5	576.0	502.3	260.7	100.5
80°	15.6	17.0	22.6	31.6	44.8	40.3	98.0	130.4	167.9	77.9	30.2
82.5°	7.3	8.3	14.6	20.9	22.6	17.0	28.9	35.1	47.3	38.2	12.5
85°	0.0	0.0	4.9	8.7	8.3	4.9	8.0	8.7	12.9	19.1	4.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.3	0.7	1.0	2.1	3.8	2.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P629973  
 CATALOG NUMBER: GWS-SA1C-760-U-T3-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9	387.9
2.5°	389.3	386.9	389.7	388.3	389.7	389.3	386.6	384.8	384.8	381.7	380.6
5°	394.2	391.8	392.5	389.3	388.6	386.9	383.4	382.0	382.0	378.9	377.9
7.5°	405.0	401.2	400.5	394.2	391.4	386.6	380.3	377.9	377.5	374.4	373.3
10°	422.0	417.5	414.4	406.4	398.4	388.6	375.4	364.3	358.0	349.7	349.0
12.5°	442.9	437.3	432.4	420.3	407.1	385.2	346.2	305.6	280.5	260.7	262.1
15°	466.2	460.9	453.3	434.9	407.8	350.7	269.4	206.8	176.2	159.9	159.2
17.5°	491.5	483.9	471.4	446.3	385.9	268.0	175.2	123.8	107.8	102.2	100.8
20°	515.2	505.8	490.1	448.8	322.6	181.5	109.5	95.9	93.2	91.4	91.4
22.5°	540.2	528.4	505.1	430.0	239.9	116.1	93.2	90.0	87.9	85.5	85.2
25°	565.6	550.3	518.6	381.0	157.1	91.4	87.3	83.8	80.0	76.1	75.1
27.5°	587.1	567.3	529.1	308.0	100.8	82.4	79.6	73.7	68.5	64.3	63.6
30°	612.9	587.5	533.6	225.3	79.3	72.7	68.5	62.2	56.0	51.8	50.4
32.5°	647.3	619.5	526.6	146.7	70.2	64.0	57.4	50.1	43.8	39.3	38.6
35°	700.8	667.8	494.7	93.5	63.6	55.3	47.3	39.6	34.4	30.9	30.2
37.5°	766.2	735.6	442.2	70.2	57.0	48.0	38.6	31.3	27.5	25.0	24.3
40°	863.1	820.4	377.2	61.5	50.4	40.7	31.6	25.7	22.9	20.9	20.2
42.5°	989.0	920.5	302.4	56.0	44.1	34.1	25.7	21.2	18.8	17.4	17.0
45°	1136.0	1018.2	223.5	50.4	38.2	28.2	21.2	17.4	15.6	14.6	14.3
47.5°	1286.5	1103.7	154.3	44.5	32.7	23.3	17.7	14.9	13.6	12.2	11.8
50°	1447.1	1176.0	105.3	38.6	27.8	19.1	15.3	13.6	11.8	10.8	10.4
52.5°	1565.0	1202.8	73.3	33.4	23.6	16.3	13.6	12.2	10.8	9.4	9.0
55°	1673.8	1202.1	55.6	28.2	20.2	14.3	12.2	10.8	9.4	8.3	8.0
57.5°	1782.3	1192.7	43.8	24.0	17.4	12.9	10.8	9.4	8.7	7.3	7.0
60°	1852.5	1157.2	34.1	20.2	14.9	11.1	9.4	8.3	7.3	6.3	5.9
62.5°	1889.7	1107.9	26.1	16.0	12.2	9.7	8.3	7.3	6.3	5.2	4.9
65°	1839.3	1020.3	20.5	12.5	9.4	8.3	7.0	5.9	4.9	3.8	3.5
67.5°	1615.7	860.4	16.0	10.1	7.3	6.3	5.9	4.9	3.5	2.8	2.4
70°	1141.9	589.2	12.5	7.6	5.6	4.9	4.5	3.8	2.8	2.1	1.7
72.5°	626.8	297.2	9.0	5.6	4.2	3.8	3.5	3.1	2.4	1.7	1.7
75°	241.2	81.7	6.6	3.8	2.8	2.8	2.4	2.4	2.1	1.4	1.4
77.5°	62.9	24.3	4.2	2.4	1.7	1.7	1.7	1.4	1.4	1.0	1.0
80°	20.2	8.0	2.4	1.7	1.4	1.0	1.0	0.7	1.0	0.7	0.7
82.5°	6.6	2.8	1.4	1.4	1.0	0.7	0.7	0.3	0.3	0.0	0.0
85°	2.4	1.4	1.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0
87.5°	1.4	0.7	0.7	0.7	0.7	0.3	0.0	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)