

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: P633434

Luminaire Tested: GWS-SA2E-760-U-T2R-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA2E-760-U-T2R-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (32) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

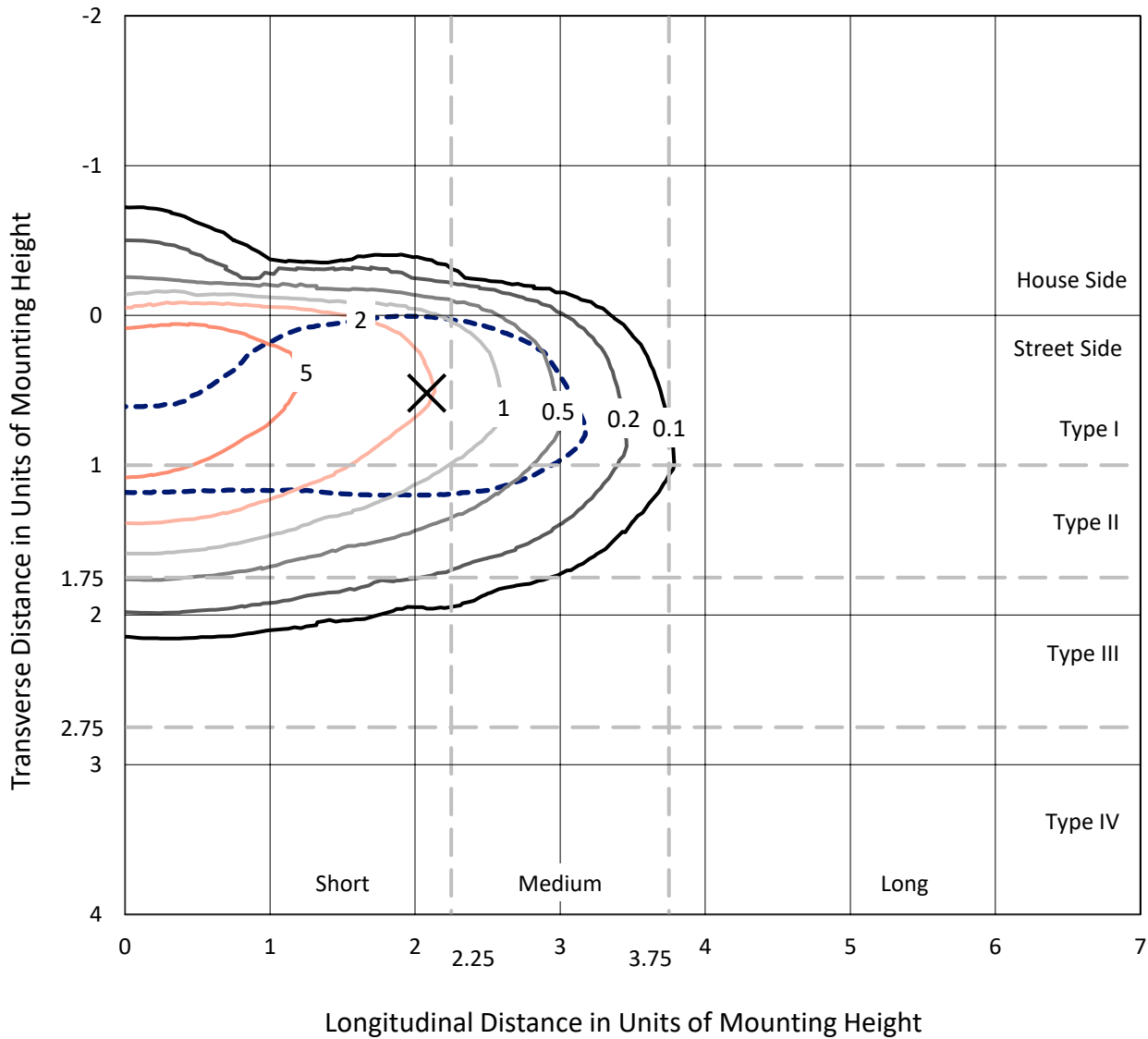
Lumens per Lamp: N/A  
Luminaire Lumens: 11872.1 lumens  
Efficiency: N/A  
Efficacy: 109.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 108.2  
Input Voltage (V): 120  
Input Current (Ain): 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: P633434  
 CATALOG NUMBER: GWS-SA2E-760-U-T2R-W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

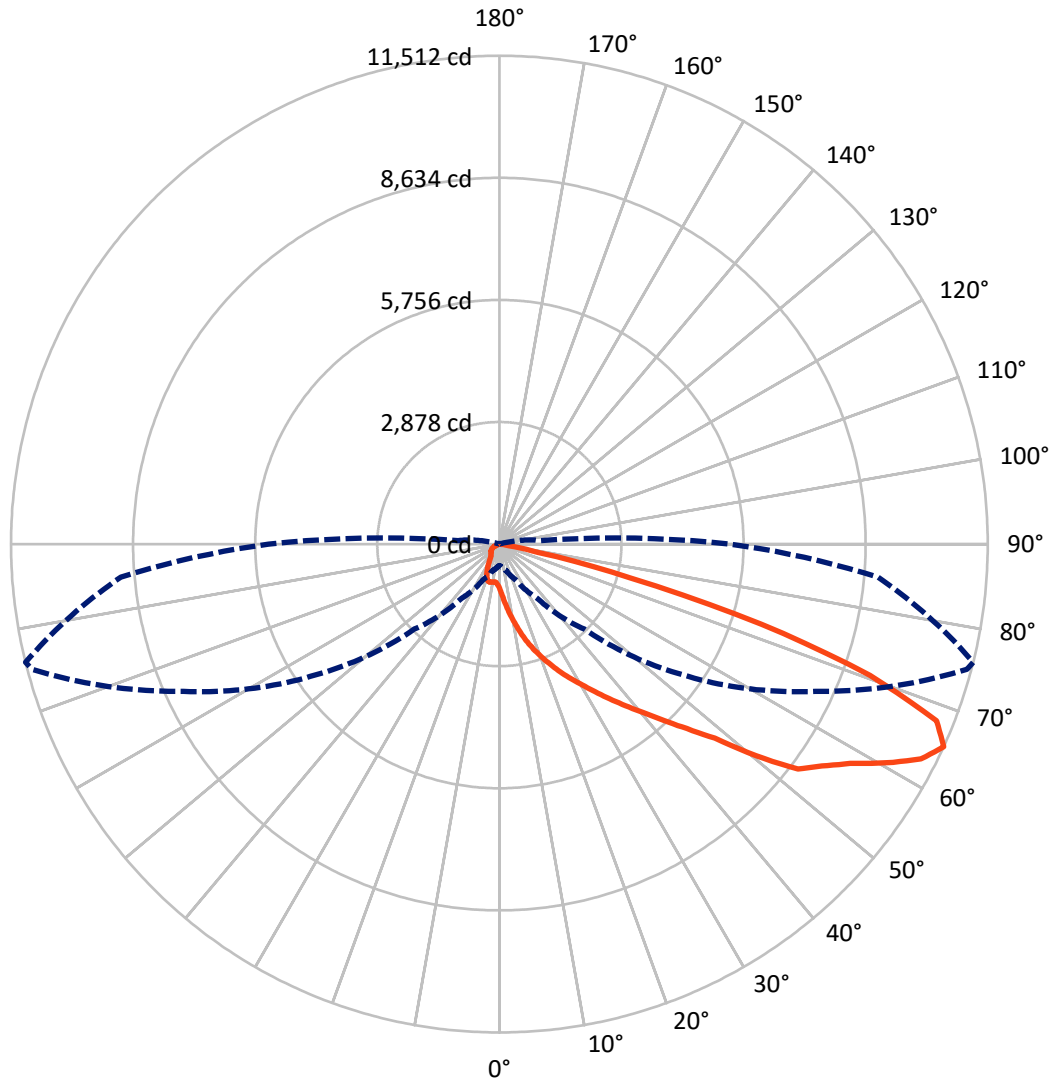
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P633434  
CATALOG NUMBER: GWS-SA2E-760-U-T2R-W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P633434  
 CATALOG NUMBER: GWS-SA2E-760-U-T2R-W-HSS

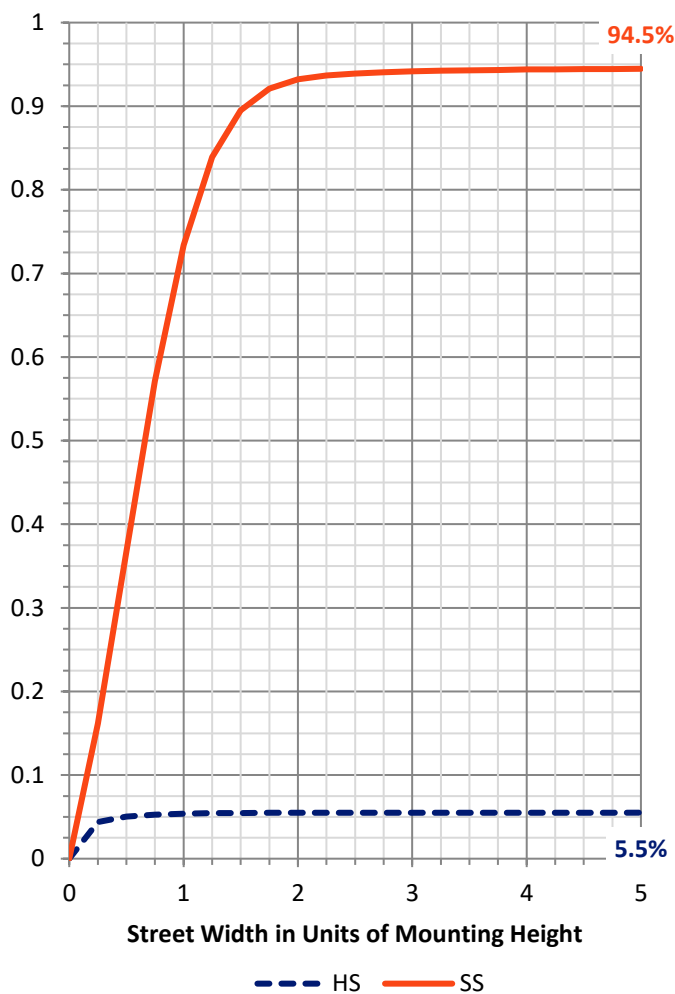
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	656.5	0.0	656.5
	% Fixture	5.5	0.0	5.5
<b>Street Side</b>	Lumens	11215.6	0.0	11215.6
	% Fixture	94.5	0.0	94.5
<b>Total</b>	Lumens	11872.1	0.0	11872.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.9	1.1
10°-20°	485.2	4.1
20°-30°	989.9	8.3
30°-40°	1760.6	14.8
40°-50°	2602.6	21.9
50°-60°	2979.7	25.1
60°-70°	2273.4	19.1
70°-80°	636.8	5.4
80°-90°	16.0	0.1
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°	11872.1	100.0
0°-180°	11872.1	100.0

**Coefficient of Utilization**

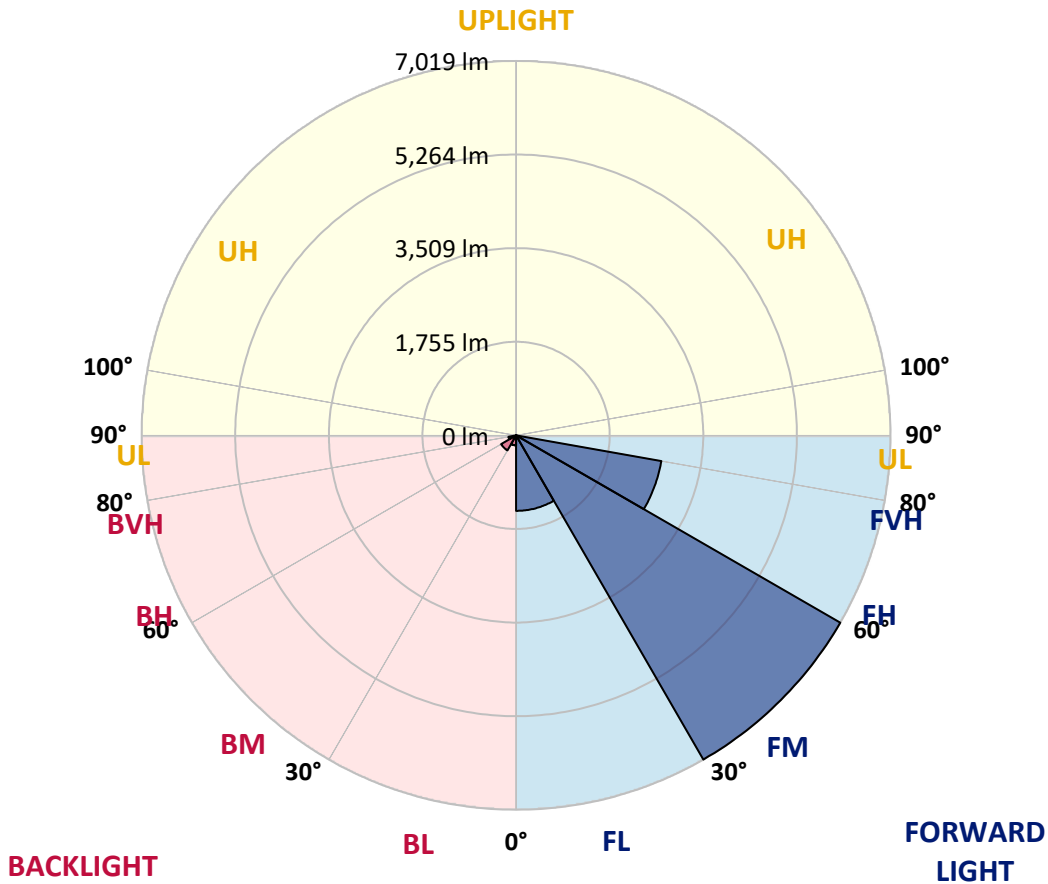


REPORT NUMBER: P633434  
 CATALOG NUMBER: GWS-SA2E-760-U-T2R-W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1415.7	11.9			
FM (30°-60°)	7019.0	59.1			
FH (60°-80°)	2765.9	23.3			G2/5000
FVH (80°-90°)	15.1	0.1			G1/100
BL (0°-30°)	187.3	1.6	B1/500		
BM (30°-60°)	323.9	2.7	B1/1000		
BH (60°-80°)	144.3	1.2	B1/500		G1/500
BVH (80°-90°)	0.9	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





REPORT NUMBER: P633434

CATALOG NUMBER: GWS-SA2E-760-U-T2R-W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1
2.5°	1619.9	1644.2	1625.2	1593.6	1532.3	1473.2	1397.3	1292.8	1209.4	1198.9	1120.8
5°	2187.7	2185.6	2144.4	2103.3	2038.9	1937.6	1784.6	1590.4	1403.6	1387.8	1212.6
7.5°	2525.4	2528.6	2505.4	2473.7	2410.4	2305.9	2146.6	1912.3	1638.9	1607.3	1338.2
10°	2809.3	2808.2	2791.4	2776.6	2719.6	2649.9	2479.0	2221.5	1892.2	1842.6	1478.5
12.5°	3022.5	3029.9	3038.3	3053.1	3028.8	2960.2	2798.7	2518.0	2148.7	2093.8	1638.9
15°	3191.3	3193.4	3225.1	3282.1	3302.1	3266.3	3119.6	2805.1	2401.9	2354.5	1823.6
17.5°	3242.0	3246.2	3300.0	3404.5	3510.0	3530.1	3419.3	3094.2	2651.0	2600.3	2003.0
20°	3348.6	3358.1	3398.2	3490.0	3623.0	3730.6	3687.3	3386.6	2900.1	2833.6	2186.7
22.5°	3684.2	3689.5	3675.7	3687.3	3755.9	3880.5	3906.9	3669.4	3155.5	3084.7	2385.1
25°	4261.4	4263.6	4167.5	4076.8	4025.0	4048.3	4106.3	3930.1	3408.7	3339.1	2569.7
27.5°	4860.9	4868.3	4753.2	4599.2	4414.5	4308.9	4292.0	4168.6	3664.1	3587.1	2752.3
30°	5425.5	5425.5	5304.1	5116.3	4869.3	4663.5	4542.2	4409.2	3937.5	3853.0	2939.1
32.5°	5933.1	5928.9	5773.7	5570.1	5326.3	5100.4	4845.0	4660.4	4241.4	4147.5	3154.4
35°	6352.1	6341.5	6165.3	5970.0	5709.4	5541.6	5256.6	4930.5	4570.7	4476.7	3376.0
37.5°	6668.7	6657.1	6495.6	6288.7	6047.1	5938.4	5699.9	5254.5	4917.9	4832.4	3621.9
40°	6840.7	6817.5	6705.6	6551.5	6348.9	6253.9	6154.7	5656.6	5326.3	5219.7	3912.1
42.5°	6891.3	6863.9	6790.0	6718.3	6595.8	6520.9	6627.5	6110.4	5774.8	5683.0	4243.5
45°	6741.5	6725.7	6719.3	6771.0	6793.2	6814.3	7077.1	6612.7	6269.7	6200.1	4660.4
47.5°	6380.6	6376.3	6432.3	6647.6	6881.8	7104.5	7565.7	7232.2	6911.4	6836.5	5242.9
50°	5713.6	5756.9	5913.0	6290.9	6759.4	7269.1	8022.7	8091.3	7949.8	7840.1	6002.7
52.5°	4670.9	4754.3	5104.7	5678.8	6352.1	7222.7	8233.7	8779.3	8923.9	8809.9	6547.3
55°	3665.2	3743.3	4055.7	4783.8	5681.9	6869.2	8243.2	9016.8	9332.3	9226.8	6915.6
57.5°	2730.2	2801.9	3085.8	3782.3	4770.1	6173.7	8017.4	9148.7	9816.7	9749.2	7497.1
60°	1784.6	1855.3	2111.7	2720.7	3700.0	5160.6	7461.2	9121.3	10476.3	10470.0	8211.6
62.5°	989.9	1045.8	1231.6	1706.5	2582.4	3996.6	6587.4	8845.8	11114.8	11154.9	8800.4
65°	506.6	542.4	655.4	938.2	1563.0	2833.6	5438.1	8214.7	11410.3	11511.6	8955.6
67.5°	331.4	343.0	370.4	487.6	836.9	1782.5	4092.6	7202.7	10994.5	11112.7	8435.3
70°	269.1	278.6	294.4	325.0	431.6	946.6	2687.9	5752.6	9186.7	9266.9	6717.2
72.5°	197.3	210.0	240.6	260.7	311.3	519.2	1398.3	3776.0	6308.8	6450.2	4221.3
75°	145.6	153.0	178.4	205.8	254.3	328.2	535.1	1985.1	3257.8	3175.5	1773.0
77.5°	87.6	92.9	114.0	131.9	181.5	204.7	186.8	733.5	991.0	931.9	428.5
80°	43.3	48.5	74.9	99.2	116.1	82.3	78.1	204.7	220.6	220.6	107.6
82.5°	14.8	19.0	40.1	65.4	57.0	31.7	36.9	52.8	59.1	62.3	31.7
85°	0.0	0.0	9.5	19.0	8.4	4.2	9.5	11.6	14.8	15.8	10.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	3.2	4.2	4.2
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: P633434

CATALOG NUMBER: GWS-SA2E-760-U-T2R-W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1	1051.1
2.5°	1078.6	1029.0	954.0	886.5	834.8	786.2	749.3	719.7	714.5	697.6	699.7
5°	1127.1	1037.4	899.1	792.6	717.6	667.0	624.8	593.1	579.4	565.7	555.1
7.5°	1202.0	1072.2	878.0	748.2	660.6	582.5	517.1	464.3	439.0	423.2	412.6
10°	1293.8	1120.8	879.1	721.8	592.0	472.8	383.1	325.0	297.6	289.2	288.1
12.5°	1403.6	1182.0	887.5	678.6	492.8	351.4	283.9	257.5	249.1	241.7	241.7
15°	1519.7	1250.6	887.5	599.4	375.7	274.4	245.9	229.0	218.5	214.2	212.1
17.5°	1642.1	1314.9	866.4	490.7	288.1	241.7	218.5	202.6	194.2	187.8	185.7
20°	1773.0	1376.2	813.7	375.7	246.9	216.3	194.2	178.4	169.9	163.6	163.6
22.5°	1905.9	1433.1	728.2	289.2	218.5	192.1	171.0	156.2	147.7	141.4	141.4
25°	2029.4	1471.1	618.4	238.5	197.3	171.0	152.0	137.2	127.7	123.5	121.4
27.5°	2144.4	1495.4	497.1	210.0	177.3	153.0	133.0	119.3	111.9	108.7	106.6
30°	2263.7	1501.7	379.9	191.0	160.4	135.1	116.1	105.5	99.2	95.0	95.0
32.5°	2379.8	1494.4	290.2	175.2	145.6	119.3	103.4	93.9	88.6	85.5	84.4
35°	2498.0	1460.6	235.3	161.5	130.9	104.5	91.8	84.4	81.3	77.0	77.0
37.5°	2626.7	1415.2	204.7	147.7	116.1	93.9	82.3	77.0	72.8	69.7	68.6
40°	2787.1	1362.4	187.8	136.1	102.4	84.4	73.9	68.6	65.4	62.3	61.2
42.5°	2977.1	1310.7	179.4	123.5	91.8	74.9	66.5	60.2	57.0	52.8	51.7
45°	3246.2	1299.1	169.9	109.8	82.3	67.5	58.0	51.7	47.5	44.3	43.3
47.5°	3678.9	1331.8	154.1	95.0	72.8	59.1	49.6	44.3	39.0	35.9	33.8
50°	4108.4	1323.4	138.2	82.3	64.4	50.7	42.2	36.9	31.7	28.5	27.4
52.5°	4342.7	1283.3	123.5	72.8	55.9	43.3	35.9	29.5	26.4	23.2	22.2
55°	4554.8	1267.5	108.7	63.3	47.5	38.0	29.5	24.3	22.2	19.0	17.9
57.5°	4970.6	1304.4	96.0	54.9	41.2	32.7	25.3	20.1	17.9	14.8	13.7
60°	5405.4	1308.6	82.3	47.5	35.9	27.4	20.1	15.8	13.7	10.6	9.5
62.5°	5632.3	1202.0	67.5	40.1	29.5	23.2	16.9	12.7	10.6	6.3	6.3
65°	5442.4	972.0	57.0	32.7	23.2	17.9	12.7	9.5	6.3	3.2	1.1
67.5°	4816.5	691.2	47.5	26.4	16.9	12.7	9.5	6.3	1.1	0.0	0.0
70°	3526.9	394.7	36.9	19.0	12.7	8.4	6.3	3.2	0.0	0.0	0.0
72.5°	2167.7	211.1	27.4	12.7	9.5	6.3	5.3	2.1	0.0	0.0	0.0
75°	822.1	101.3	16.9	8.4	7.4	5.3	3.2	1.1	0.0	0.0	0.0
77.5°	222.7	49.6	9.5	6.3	5.3	3.2	2.1	0.0	0.0	0.0	0.0
80°	58.0	23.2	6.3	4.2	3.2	2.1	0.0	0.0	0.0	0.0	0.0
82.5°	20.1	10.6	3.2	3.2	2.1	1.1	0.0	0.0	0.0	0.0	0.0
85°	8.4	4.2	2.1	2.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.2	1.1	1.1	1.1	1.1	0.0	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)