

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: P634367

Luminaire Tested: GWS-SA3B-750-U-T2R-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634367  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-12)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3B-750-U-T2R-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

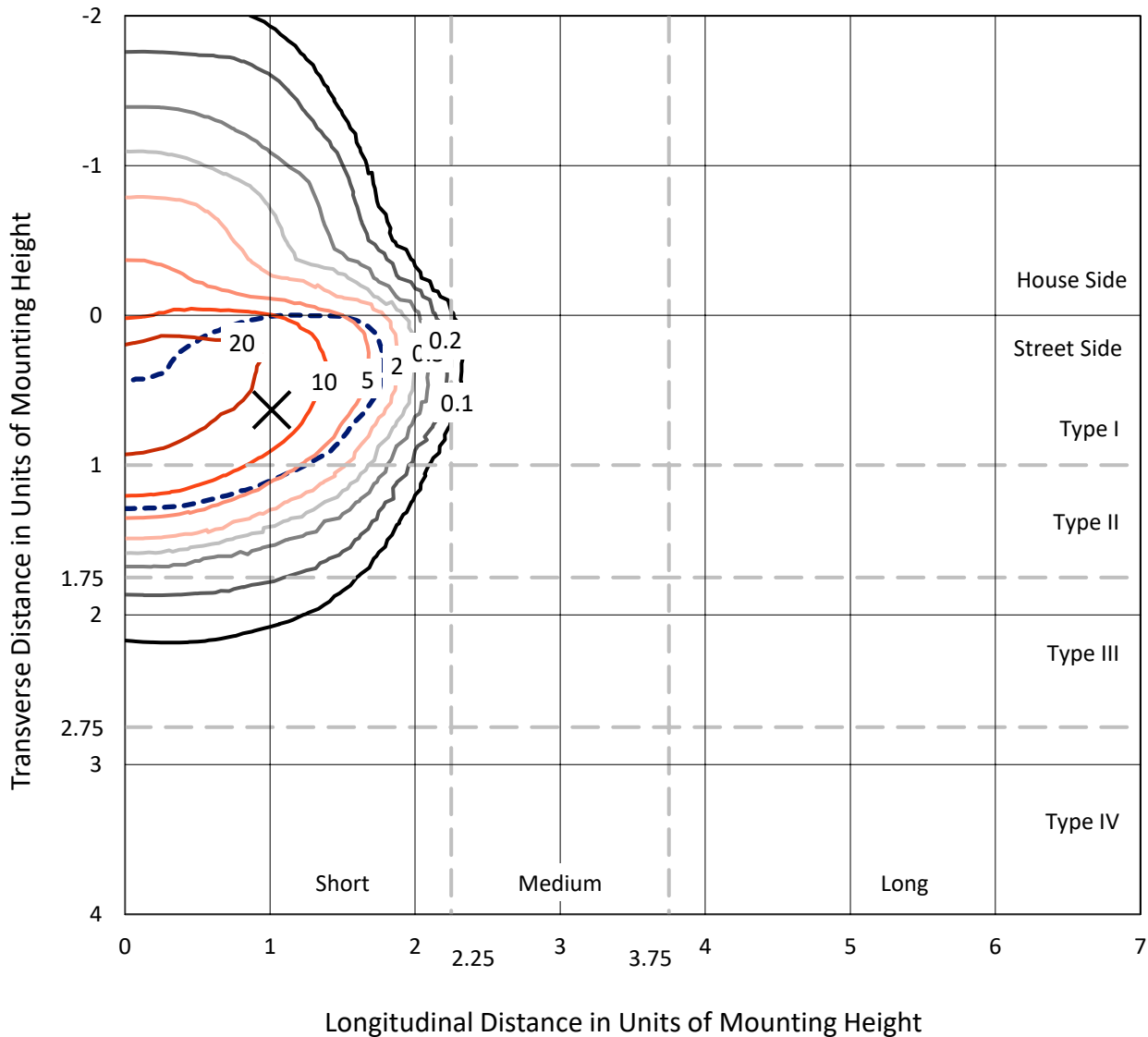
Lumens per Lamp: N/A  
Luminaire Lumens: 7132.4 lumens  
Efficiency: N/A  
Efficacy: 104.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G0  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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: P634367  
 CATALOG NUMBER: GWS-SA3B-750-U-T2R-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

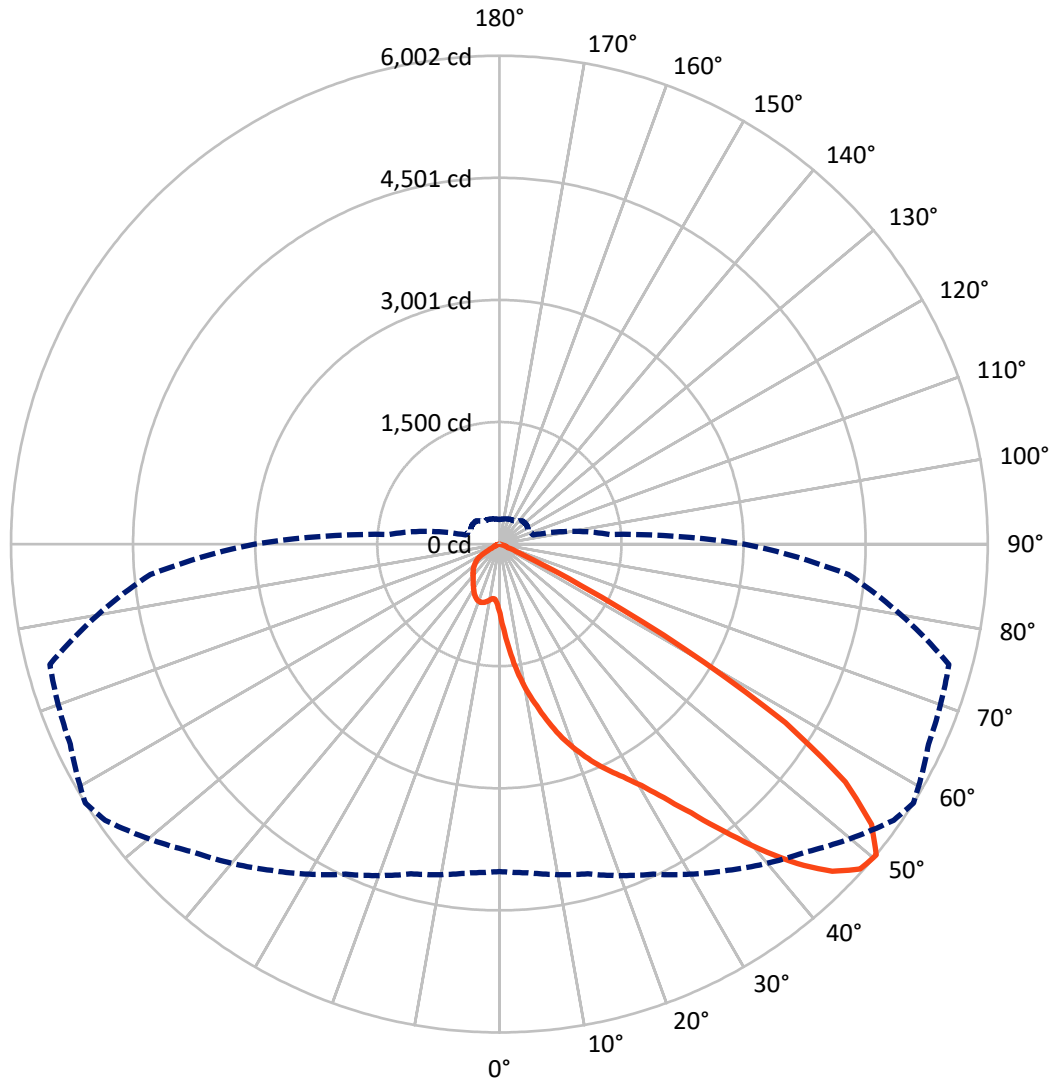
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.2 fc  
 Type II - Short - N/A

REPORT NUMBER: P634367  
CATALOG NUMBER: GWS-SA3B-750-U-T2R-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral    - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P634367

CATALOG NUMBER: GWS-SA3B-750-U-T2R-W-GRSBK

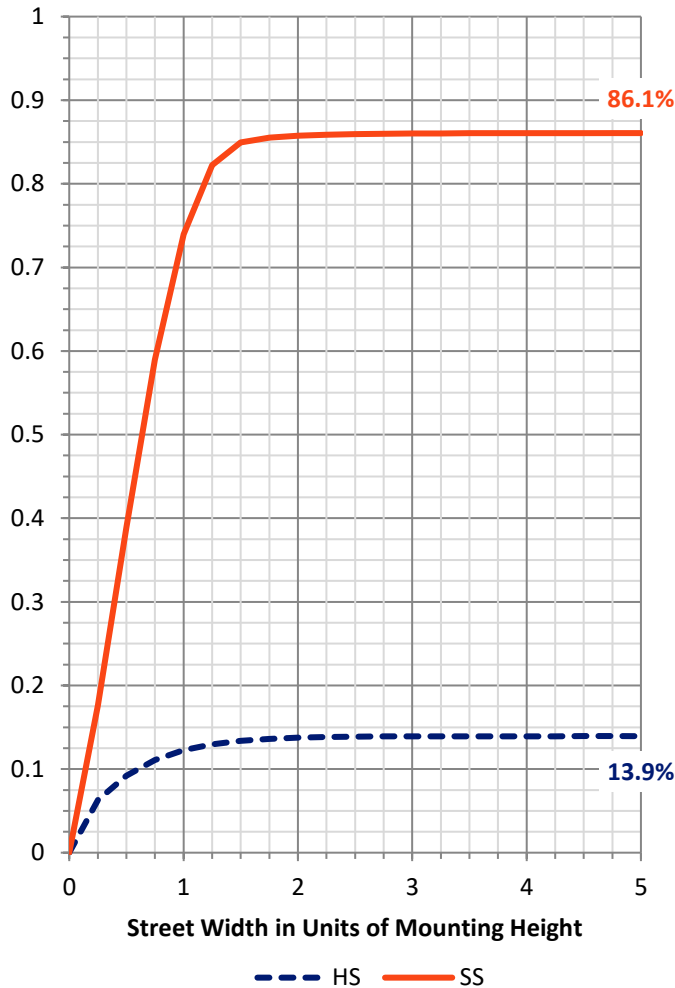
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	999.0	0.0	999.0
	% Fixture	14.0	0.0	14.0
<b>Street Side</b>	Lumens	6133.4	0.0	6133.4
	% Fixture	86.0	0.0	86.0
<b>Total</b>	Lumens	7132.4	0.0	7132.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	1.5
10°-20°	417.8	5.9
20°-30°	845.5	11.9
30°-40°	1495.7	21.0
40°-50°	2180.5	30.6
50°-60°	1747.7	24.5
60°-70°	314.9	4.4
70°-80°	24.8	0.3
80°-90°	0.0	0.0
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°	7132.4	100.0
0°-180°	7132.4	100.0

**Coefficient of Utilization**



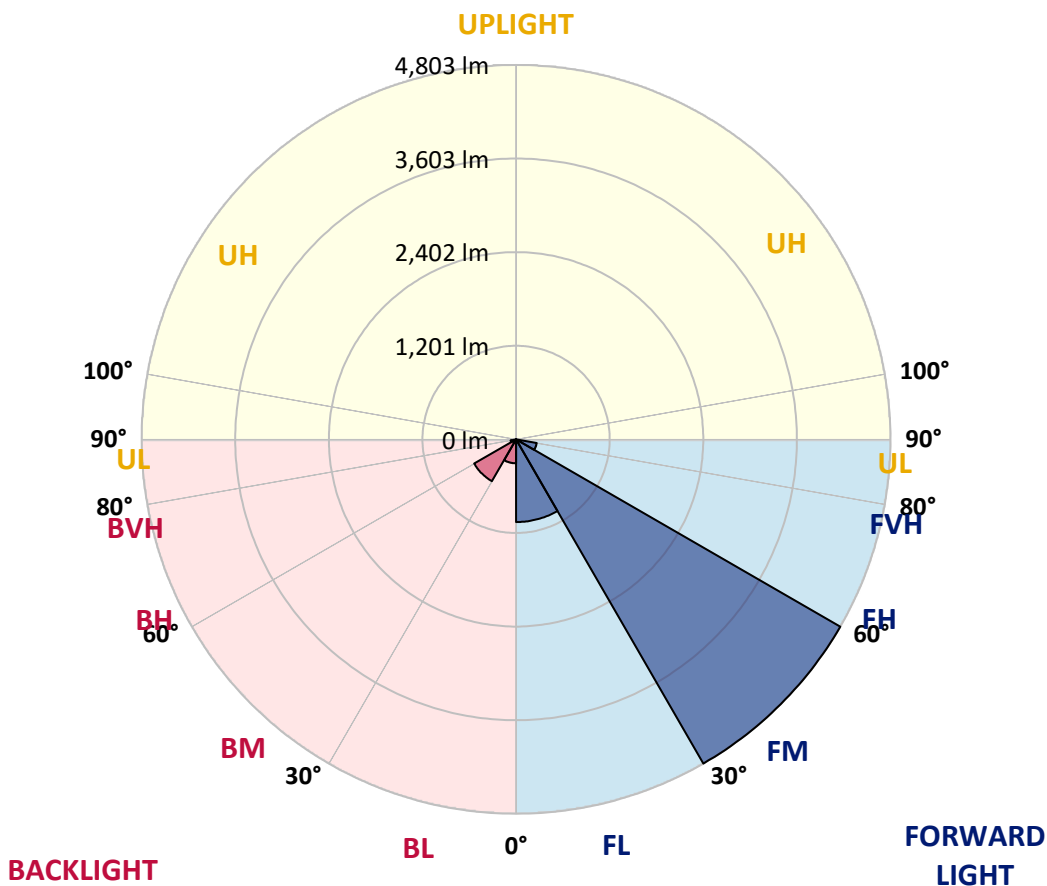
REPORT NUMBER: P634367

CATALOG NUMBER: GWS-SA3B-750-U-T2R-W-GRSBK

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1061.3	14.9			
FM (30°-60°)	4803.5	67.3			
FH (60°-80°)	268.7	3.8			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	307.6	4.3	B1/500		
BM (30°-60°)	620.4	8.7	B1/1000		
BH (60°-80°)	71.0	1.0	B0/110		G0/110
BVH (80°-90°)	0.0	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-G0**  
 Type II Short





REPORT NUMBER: P634367

CATALOG NUMBER: GWS-SA3B-750-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0
2.5°	1260.8	1240.9	1229.5	1220.3	1179.9	1115.9	1073.9	1051.8	1015.2	953.4	900.0
5°	1645.2	1630.7	1604.0	1585.7	1533.8	1443.1	1349.2	1311.9	1228.7	1089.2	964.1
7.5°	1899.9	1889.2	1879.3	1854.9	1806.1	1723.7	1620.0	1581.1	1453.0	1254.7	1049.5
10°	2095.9	2087.6	2076.1	2075.3	2037.2	1963.2	1861.8	1821.4	1682.5	1434.7	1150.2
12.5°	2268.3	2261.5	2259.2	2280.5	2256.1	2201.2	2091.4	2041.0	1893.8	1618.5	1261.5
15°	2386.5	2385.0	2394.9	2436.9	2450.6	2425.4	2333.1	2279.0	2109.7	1803.1	1384.3
17.5°	2440.7	2445.3	2464.3	2536.8	2597.8	2619.2	2548.2	2502.5	2324.0	1989.9	1515.5
20°	2533.0	2531.5	2542.9	2611.5	2686.3	2762.6	2741.2	2702.3	2540.6	2187.5	1661.2
22.5°	2793.1	2770.9	2746.5	2757.2	2783.9	2873.1	2912.8	2893.0	2764.1	2390.3	1811.4
25°	3192.7	3169.8	3091.3	3015.0	2964.7	3005.1	3059.3	3069.2	2986.0	2598.6	1968.6
27.5°	3616.8	3596.2	3507.7	3393.3	3249.2	3179.0	3219.4	3239.3	3204.2	2846.5	2135.6
30°	4014.2	3986.7	3889.8	3748.0	3580.9	3473.4	3427.6	3441.4	3462.0	3140.1	2331.6
32.5°	4358.9	4338.3	4222.4	4072.9	3912.0	3799.8	3693.1	3715.9	3766.3	3499.3	2582.6
35°	4651.0	4640.4	4517.6	4368.8	4198.7	4141.5	4050.0	4054.6	4104.9	3933.3	2888.4
37.5°	4905.0	4886.7	4775.4	4637.3	4502.3	4493.2	4468.0	4470.3	4496.2	4439.0	3240.0
40°	5065.2	5048.4	4969.1	4883.7	4787.6	4789.1	4919.5	4929.4	4899.7	4935.5	3611.5
42.5°	5125.4	5113.2	5070.5	5071.3	5061.4	5106.4	5351.2	5369.5	5262.7	5325.3	3928.7
45°	5021.0	5015.6	5018.7	5128.5	5247.5	5386.3	5704.3	5736.4	5585.4	5583.8	4176.6
47.5°	4683.8	4673.2	4762.4	4949.3	5224.6	5494.6	5917.9	5967.5	5811.1	5731.8	4332.2
50°	4023.3	4053.8	4194.9	4475.6	4894.3	5345.9	5915.6	6001.8	5819.5	5718.8	4306.3
52.5°	2914.3	2908.2	3217.1	3603.1	4112.6	4869.9	5601.4	5727.2	5615.9	5591.5	4248.3
55°	1585.7	1641.4	1849.6	2360.6	2996.7	3969.2	4883.7	5158.2	5287.1	5544.9	4352.8
57.5°	582.7	607.1	737.5	1099.1	1586.4	2468.1	3730.4	4144.6	4542.7	5415.3	4335.3
60°	234.9	239.5	291.4	404.2	666.6	1256.2	2237.8	2605.4	2980.7	4145.4	3327.0
62.5°	170.8	176.9	197.5	236.4	337.1	549.2	964.8	1122.0	1226.4	2053.2	1639.1
65°	138.1	142.6	159.4	176.9	222.7	295.2	311.2	299.7	298.2	530.8	376.0
67.5°	114.4	119.0	131.2	143.4	160.2	147.2	106.8	112.1	91.5	90.8	74.0
70°	83.9	89.2	101.4	114.4	96.1	39.7	61.8	91.5	69.4	58.0	56.4
72.5°	63.3	67.1	78.6	74.7	28.2	15.3	41.2	66.4	53.4	42.7	41.9
75°	47.3	49.6	39.7	12.2	3.1	3.8	15.3	27.5	29.7	24.4	24.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.5	2.3	3.1	3.8	4.6
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P634367  
 CATALOG NUMBER: GWS-SA3B-750-U-T2R-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0	852.0
2.5°	869.5	837.5	791.7	753.6	724.6	696.4	675.0	653.6	652.9	642.2	639.9
5°	906.1	848.1	764.2	704.0	667.4	645.3	630.0	622.4	618.6	614.7	613.2
7.5°	958.7	875.6	759.7	695.6	665.1	650.6	639.9	635.3	633.1	630.0	629.2
10°	1023.6	915.3	776.4	711.6	684.9	671.2	659.7	652.9	649.1	643.7	642.2
12.5°	1101.4	964.1	803.1	738.3	710.1	691.8	676.5	666.6	661.3	654.4	652.9
15°	1185.3	1016.7	832.9	762.7	729.2	705.5	686.4	671.2	661.3	652.9	650.6
17.5°	1272.2	1070.1	859.6	779.5	738.3	710.1	682.6	662.0	649.8	639.2	636.1
20°	1369.8	1125.0	877.1	782.5	735.3	697.9	665.9	639.9	627.7	613.2	610.2
22.5°	1472.0	1176.1	884.7	775.7	718.5	675.0	640.7	614.0	596.4	581.2	576.6
25°	1571.2	1221.9	880.9	756.6	693.3	643.0	607.9	580.4	561.4	546.1	542.3
27.5°	1676.4	1260.0	867.2	728.4	659.0	607.9	574.3	550.7	533.1	516.4	512.5
30°	1794.7	1295.1	845.1	694.1	618.6	572.0	546.1	530.1	511.0	493.5	488.1
32.5°	1937.3	1326.4	813.1	652.9	582.7	540.8	526.3	514.1	492.0	473.6	469.8
35°	2100.5	1352.3	772.6	610.2	547.6	520.9	517.9	501.9	472.9	451.5	447.0
37.5°	2289.7	1377.5	724.6	568.2	521.7	511.8	512.5	485.1	450.0	424.1	421.0
40°	2493.3	1402.6	671.2	531.6	498.1	506.4	499.6	460.7	403.5	378.3	375.3
42.5°	2705.4	1430.1	617.0	497.3	478.2	485.8	475.9	411.9	370.7	357.7	356.2
45°	2896.8	1462.9	558.3	463.0	458.4	456.1	439.3	373.0	355.4	346.3	345.5
47.5°	3034.8	1457.5	495.8	430.2	437.0	429.4	378.3	354.7	340.2	328.0	324.9
50°	3009.7	1364.5	430.9	393.6	409.6	402.7	340.2	333.3	320.3	307.4	302.8
52.5°	2945.6	1237.9	374.5	354.7	379.8	363.8	314.2	307.4	295.9	279.2	273.8
55°	2979.9	1118.9	330.3	323.4	349.3	301.3	285.3	274.6	262.4	244.1	241.8
57.5°	2869.3	913.0	265.4	270.0	308.9	257.0	250.2	233.4	212.8	200.6	199.1
60°	1986.1	490.4	166.3	171.6	223.5	215.8	224.2	209.0	183.8	172.4	170.1
62.5°	912.2	196.8	90.8	86.9	117.5	146.4	192.2	190.7	159.4	141.1	139.6
65°	221.2	90.0	64.8	61.0	66.4	87.7	125.1	150.3	128.9	107.5	105.3
67.5°	71.7	73.2	59.5	55.7	58.7	65.6	74.7	83.1	82.4	75.5	74.0
70°	57.2	66.4	54.9	50.3	50.3	52.6	50.3	40.4	35.1	38.1	39.7
72.5°	42.7	50.3	43.5	38.9	37.4	36.6	31.3	22.9	16.0	14.5	13.7
75°	25.2	28.2	26.7	22.9	21.4	19.1	15.3	9.9	5.3	3.8	2.3
77.5°	4.6	5.3	6.1	4.6	3.8	3.1	2.3	0.8	0.0	0.0	0.0
80°	0.0	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	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)