

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: P642792

Luminaire Tested: GWS-SA6D-750-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642792
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28684.6 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

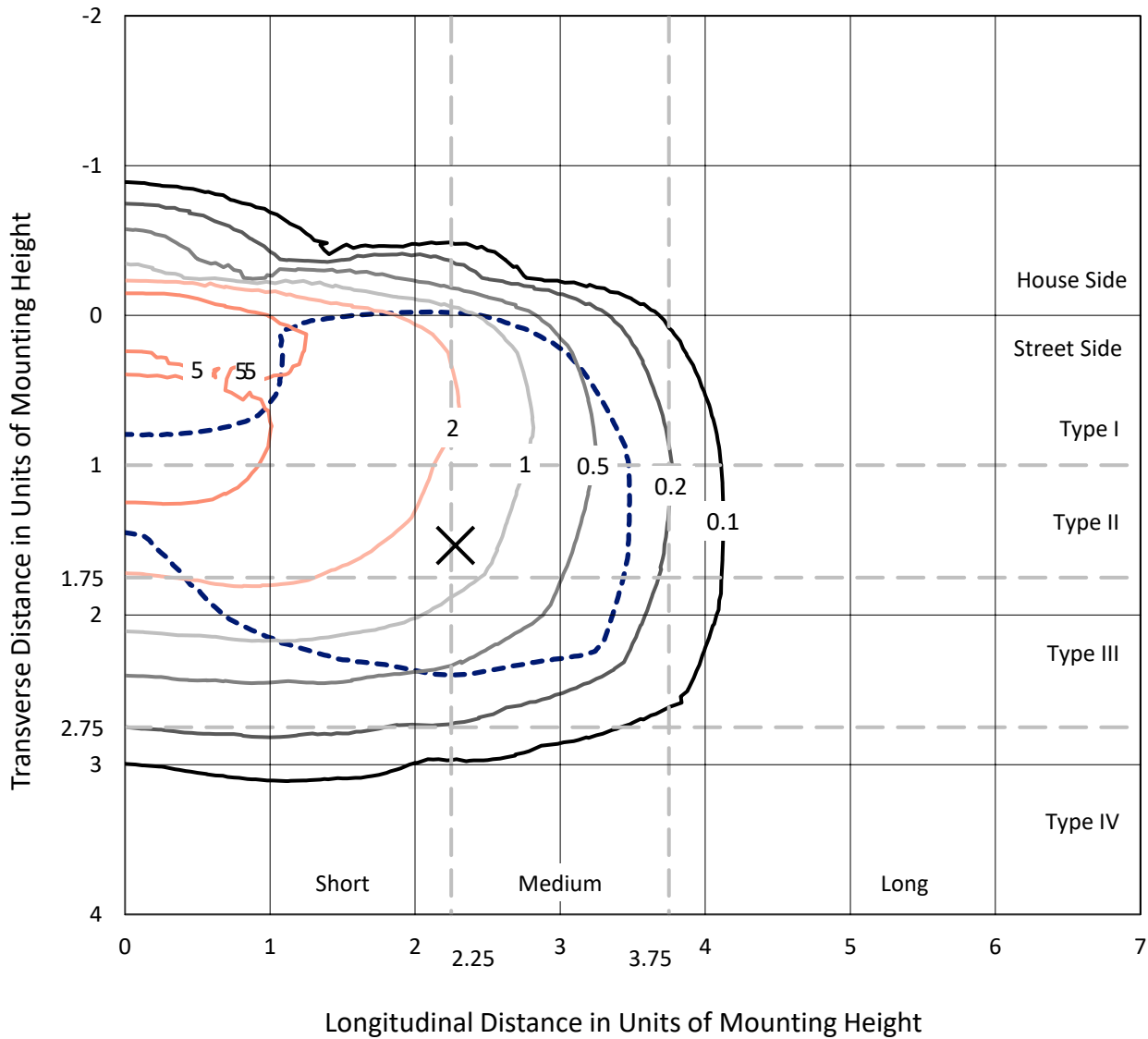
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642792
 CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

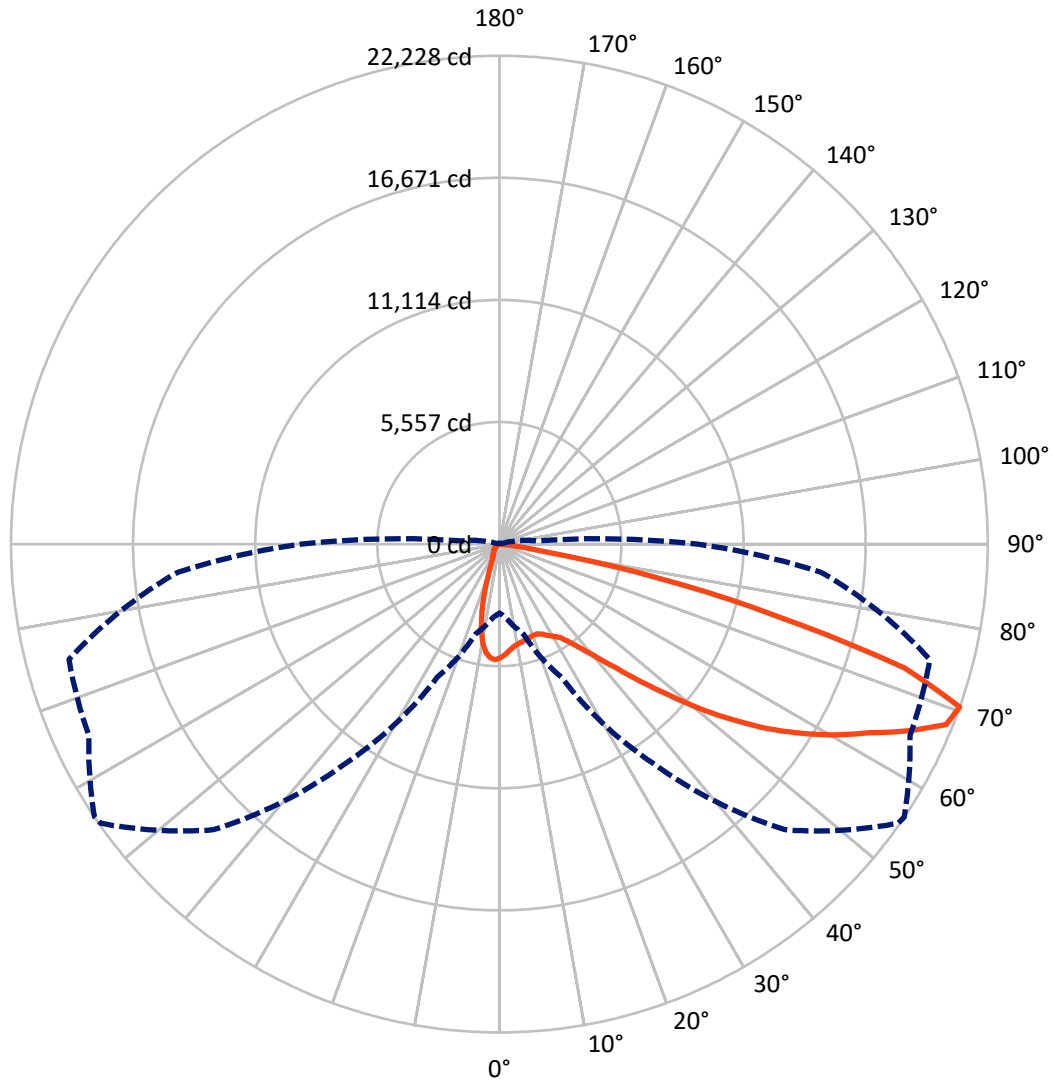
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P642792
CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642792

CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-HSS

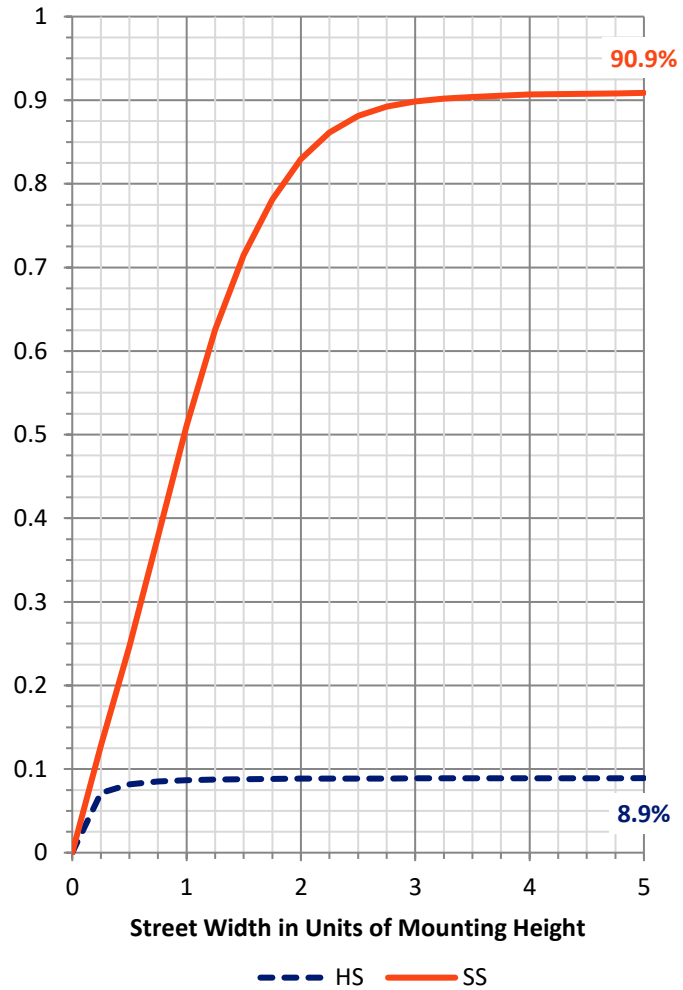
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2576.4	0.0	2576.4
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	26108.2	0.0	26108.2
	% Fixture	91.0	0.0	91.0
Total	Lumens	28684.6	0.0	28684.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	444.1	1.5
10°-20°	998.8	3.5
20°-30°	1582.0	5.5
30°-40°	2728.2	9.5
40°-50°	4607.1	16.1
50°-60°	6769.3	23.6
60°-70°	8025.3	28.0
70°-80°	3422.3	11.9
80°-90°	107.5	0.4
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°	28684.6	100.0
0°-180°	28684.6	100.0

Coefficient of Utilization



REPORT NUMBER: P642792

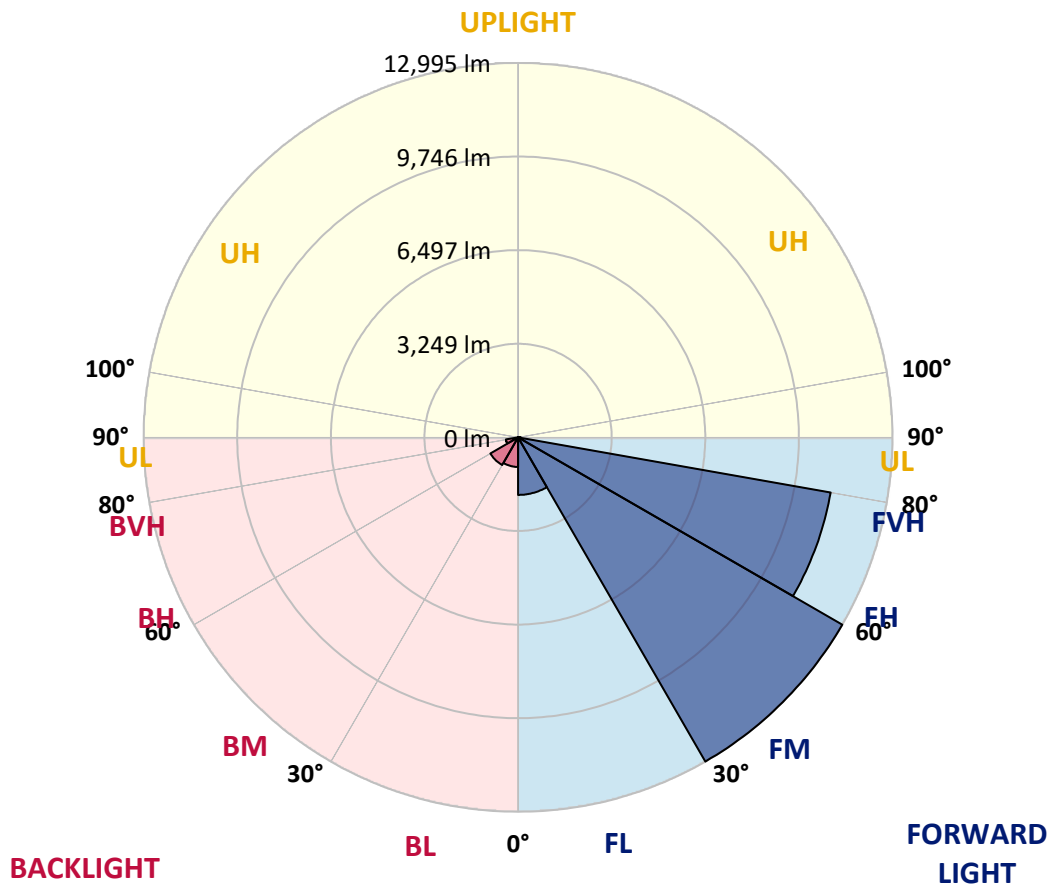
CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1998.8	7.0			
FM (30°-60°)	12994.9	45.3			
FH (60°-80°)	11018.0	38.4			G4/12000
FVH (80°-90°)	96.5	0.3			G1/100
BL (0°-30°)	1026.1	3.6	B3/2500		
BM (30°-60°)	1109.7	3.9	B2/2500		
BH (60°-80°)	429.7	1.5	B1/500		G1/500
BVH (80°-90°)	10.9	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





REPORT NUMBER: P642792

CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1
2.5°	4814.9	4807.0	4812.3	4851.7	4925.2	4959.4	5017.1	5027.6	5074.9	5135.3	5159.0
5°	4502.3	4476.0	4489.2	4544.3	4628.4	4722.9	4830.6	4859.5	4977.7	5111.7	5211.5
7.5°	4216.0	4187.1	4218.6	4305.3	4423.5	4525.9	4686.2	4704.6	4893.7	5130.1	5311.3
10°	3766.8	3774.7	3837.7	3990.1	4171.3	4384.1	4599.5	4625.8	4859.5	5190.5	5471.6
12.5°	3422.7	3404.3	3472.6	3646.0	3900.8	4210.7	4533.8	4568.0	4862.2	5282.4	5676.5
15°	3262.5	3257.2	3286.1	3412.2	3659.1	4024.2	4473.4	4518.1	4896.3	5366.5	5870.8
17.5°	3267.7	3259.8	3257.2	3330.8	3514.6	3885.0	4407.7	4465.5	4925.2	5458.4	6075.7
20°	3496.2	3459.5	3393.8	3359.6	3470.0	3795.7	4363.1	4428.7	4967.2	5555.6	6293.8
22.5°	3974.3	3987.4	3811.5	3627.6	3575.0	3806.2	4357.8	4434.0	5059.2	5708.0	6561.7
25°	4930.5	4909.4	4583.7	4171.3	3885.0	3927.0	4449.8	4541.7	5240.4	5926.0	6813.9
27.5°	6128.3	6146.7	5700.1	5043.4	4444.5	4176.6	4617.9	4709.8	5450.6	6062.6	6982.0
30°	7433.8	7415.4	6937.3	6209.7	5237.8	4591.6	4786.0	4867.4	5555.6	6136.1	7155.3
32.5°	8668.4	8626.3	8153.5	7391.7	6249.1	5245.7	5017.1	5064.4	5694.9	6296.4	7389.1
35°	9721.7	9719.1	9306.7	8495.0	7289.3	6065.2	5413.8	5453.2	5954.9	6551.2	7733.2
37.5°	10809.2	10772.4	10310.1	9569.3	8358.4	6963.6	6020.6	6004.8	6364.7	6926.8	8156.1
40°	11702.3	11678.6	11324.0	10612.2	9469.5	7956.5	6756.1	6708.8	6850.6	7446.9	8744.5
42.5°	12364.2	12366.9	12256.5	11823.1	10646.3	9104.4	7680.7	7607.1	7604.5	8232.3	9522.1
45°	12865.9	12900.1	13065.6	12999.9	12035.9	10441.4	8865.4	8789.2	8660.5	9251.5	10412.5
47.5°	13099.7	13144.4	13643.5	13906.2	13252.1	11768.0	10275.9	10115.7	9863.5	10606.9	11408.1
50°	13076.1	13154.9	13851.0	14649.5	14355.3	13112.9	11812.6	11736.4	11324.0	12041.1	12393.1
52.5°	12540.2	12708.3	13864.1	15101.3	15203.8	14352.7	13401.8	13260.0	13060.3	13538.4	13317.8
55°	11085.0	11289.9	13309.9	15245.8	15865.7	15434.9	14956.9	14841.3	14510.3	14951.6	14124.2
57.5°	10294.3	10470.3	12143.6	15174.9	16427.9	16435.7	16341.2	16246.6	15973.4	16349.1	15069.8
60°	9818.9	9994.9	11521.0	14914.8	16937.5	17491.7	17641.4	17630.9	17236.9	17938.3	16178.3
62.5°	9122.8	9364.5	10872.2	14239.8	17299.9	18531.9	18983.7	18912.8	18474.1	19593.1	17276.3
65°	7717.5	7927.6	9543.1	13126.0	17087.2	19393.5	20438.9	20475.7	19968.8	21150.8	18143.1
67.5°	5411.2	5566.1	7171.1	10788.2	15642.5	19677.2	21928.3	21925.7	21061.5	21949.3	17759.6
70°	3136.4	3349.1	4237.0	6669.4	12169.9	18387.4	22151.6	22227.8	20617.6	20281.3	14696.8
72.5°	1213.6	1389.6	2400.9	3543.5	6346.3	14084.8	19054.6	19277.9	17255.3	15645.1	10228.7
75°	362.5	404.5	1129.5	1886.0	2548.0	6803.3	12900.1	12963.1	11836.3	9758.5	5243.0
77.5°	270.6	299.5	493.8	953.5	893.1	2062.0	6674.6	7289.3	6283.2	3485.7	1444.7
80°	183.9	218.0	352.0	464.9	331.0	549.0	1875.5	2059.4	1917.5	782.8	362.5
82.5°	81.4	105.1	249.5	233.8	120.8	157.6	577.9	614.7	396.6	236.4	126.1
85°	7.9	10.5	94.6	102.4	44.7	36.8	120.8	120.8	86.7	81.4	52.5
87.5°	0.0	0.0	2.6	5.3	5.3	7.9	10.5	13.1	15.8	21.0	26.3
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: P642792

CATALOG NUMBER: GWS-SA6D-750-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1	5172.1
2.5°	5219.4	5187.9	5227.3	5258.8	5266.7	5208.9	5174.7	5124.8	5114.3	5117.0	5103.8
5°	5290.3	5274.6	5303.5	5269.3	5180.0	5011.9	4867.4	4707.2	4620.5	4570.6	4565.3
7.5°	5421.7	5413.8	5382.3	5227.3	4948.8	4575.8	4216.0	3864.0	3646.0	3567.2	3554.0
10°	5616.0	5600.3	5471.6	5103.8	4510.2	3793.1	3188.9	2684.6	2377.2	2287.9	2177.6
12.5°	5839.3	5807.8	5526.7	4838.5	3848.2	2855.3	2101.4	1536.7	1271.4	1192.6	1192.6
15°	6054.7	5986.4	5495.2	4399.8	3033.9	1857.1	1174.2	887.9	806.4	785.4	785.4
17.5°	6275.4	6144.0	5371.8	3800.9	2096.2	1098.0	782.8	727.6	717.1	719.7	722.4
20°	6482.9	6278.0	5153.7	3081.2	1337.0	767.0	701.3	688.2	683.0	688.2	685.6
22.5°	6708.8	6401.5	4822.8	2295.8	869.5	690.8	667.2	656.7	651.4	659.3	659.3
25°	6932.1	6490.8	4384.1	1544.5	690.8	643.6	630.4	619.9	614.7	617.3	617.3
27.5°	7047.6	6456.6	3808.8	985.0	619.9	596.3	583.1	570.0	562.1	559.5	562.1
30°	7126.4	6351.5	3104.8	701.3	562.1	533.2	520.1	509.6	488.6	475.4	480.7
32.5°	7249.9	6246.5	2340.5	588.4	514.8	470.2	449.2	422.9	394.0	380.9	380.9
35°	7397.0	6102.0	1641.7	530.6	464.9	417.7	378.3	333.6	299.5	288.9	288.9
37.5°	7591.4	5965.4	1092.7	491.2	422.9	373.0	317.8	265.3	228.5	223.3	220.6
40°	7883.0	5849.8	769.6	462.3	386.1	325.7	260.1	204.9	178.6	170.7	170.7
42.5°	8261.2	5731.6	609.4	433.4	354.6	281.1	207.5	162.9	141.8	136.6	134.0
45°	8728.8	5592.4	530.6	407.2	323.1	233.8	165.5	136.6	120.8	115.6	115.6
47.5°	9235.7	5403.3	493.8	373.0	286.3	189.1	139.2	118.2	110.3	107.7	105.1
50°	9734.8	5148.5	462.3	341.5	244.3	155.0	120.8	107.7	102.4	99.8	99.8
52.5°	10170.9	4851.7	422.9	304.7	199.6	134.0	107.7	99.8	94.6	89.3	86.7
55°	10543.9	4528.6	373.0	262.7	162.9	118.2	99.8	91.9	86.7	81.4	78.8
57.5°	11024.6	4344.7	299.5	212.8	134.0	105.1	91.9	84.1	78.8	70.9	70.9
60°	11557.8	4210.7	223.3	168.1	115.6	97.2	84.1	76.2	70.9	63.0	63.0
62.5°	11986.0	4011.1	176.0	136.6	99.8	86.7	76.2	68.3	63.0	55.2	55.2
65°	12148.8	3598.7	144.5	107.7	81.4	76.2	68.3	63.0	55.2	47.3	47.3
67.5°	11413.3	2773.9	120.8	86.7	68.3	65.7	60.4	57.8	47.3	42.0	39.4
70°	9038.7	1691.6	99.8	70.9	57.8	55.2	55.2	49.9	42.0	39.4	36.8
72.5°	6193.9	872.1	81.4	57.8	49.9	49.9	47.3	44.7	39.4	36.8	36.8
75°	3217.8	291.6	63.0	44.7	39.4	42.0	42.0	39.4	36.8	36.8	34.1
77.5°	922.0	131.3	47.3	34.1	31.5	31.5	34.1	34.1	34.1	31.5	31.5
80°	239.0	76.2	34.1	26.3	26.3	26.3	26.3	28.9	31.5	28.9	28.9
82.5°	97.2	42.0	23.6	21.0	21.0	21.0	21.0	23.6	26.3	26.3	26.3
85°	60.4	21.0	18.4	18.4	18.4	15.8	15.8	18.4	18.4	21.0	21.0
87.5°	36.8	15.8	15.8	15.8	15.8	13.1	13.1	13.1	13.1	13.1	13.1
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)