

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: P642731

Luminaire Tested: GWS-SA6D-740-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22120.3 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

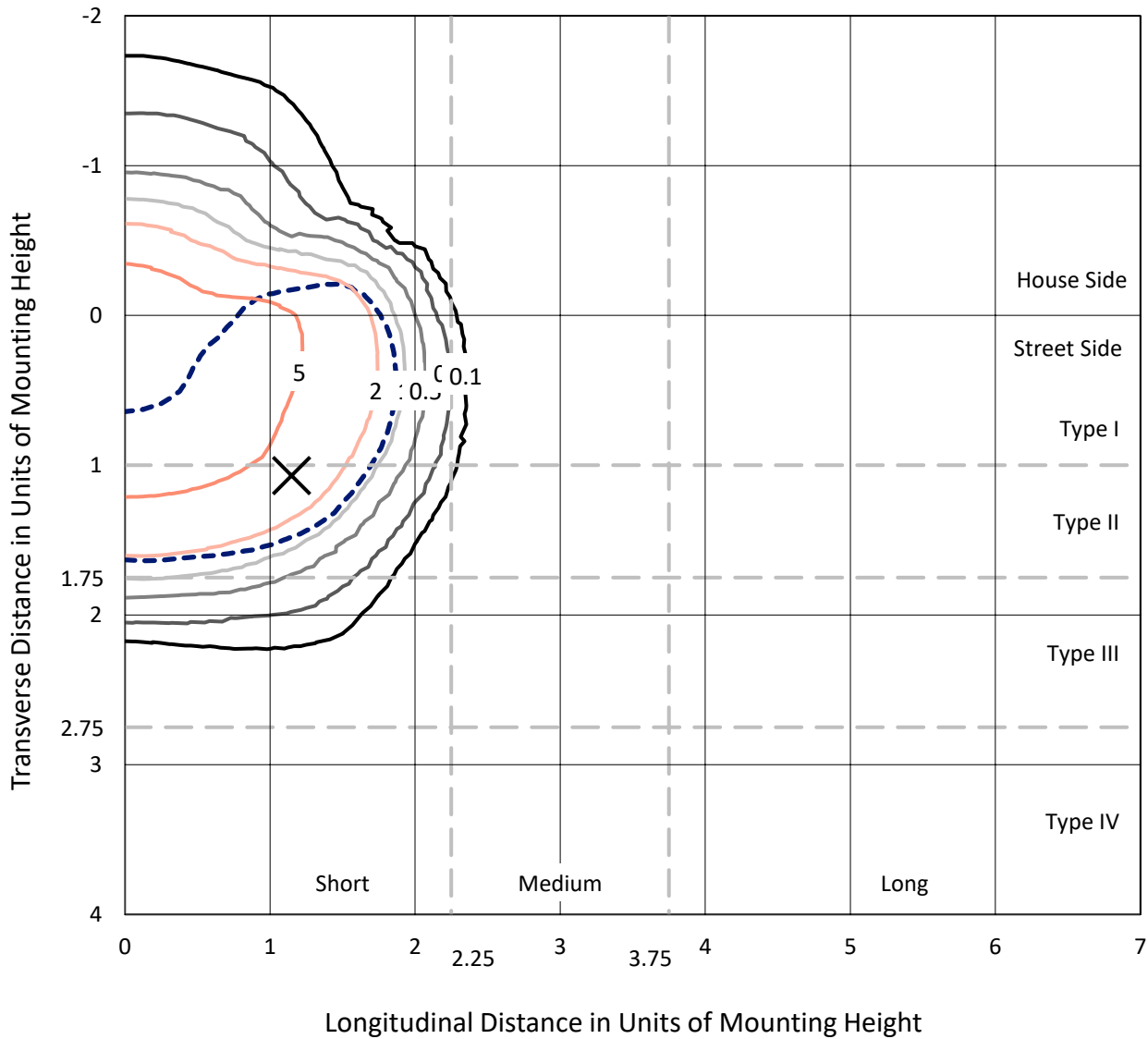
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642731
 CATALOG NUMBER: GWS-SA6D-740-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

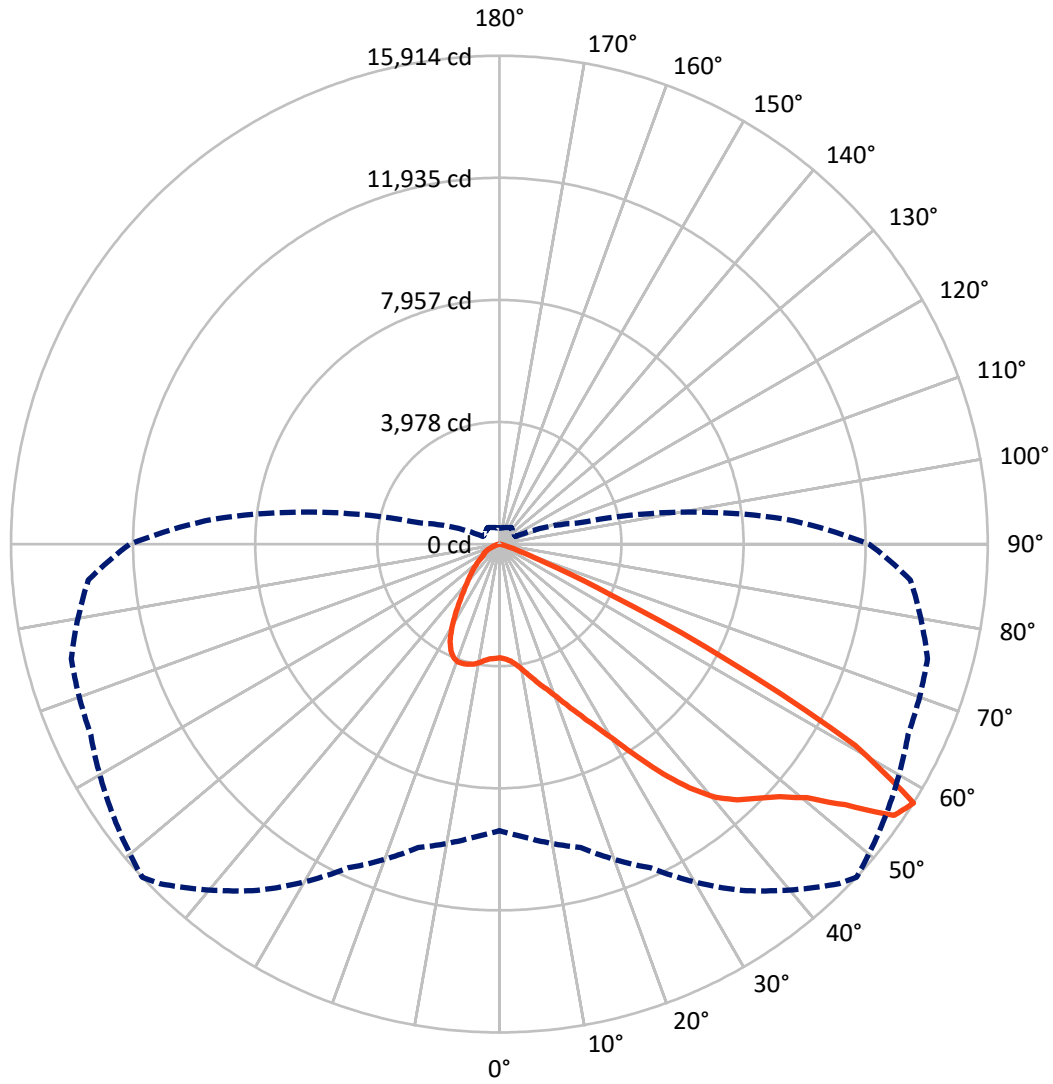
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.4 fc
 Type II - Short - N/A

REPORT NUMBER: P642731
CATALOG NUMBER: GWS-SA6D-740-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642731
 CATALOG NUMBER: GWS-SA6D-740-U-T3-W-GRSBK

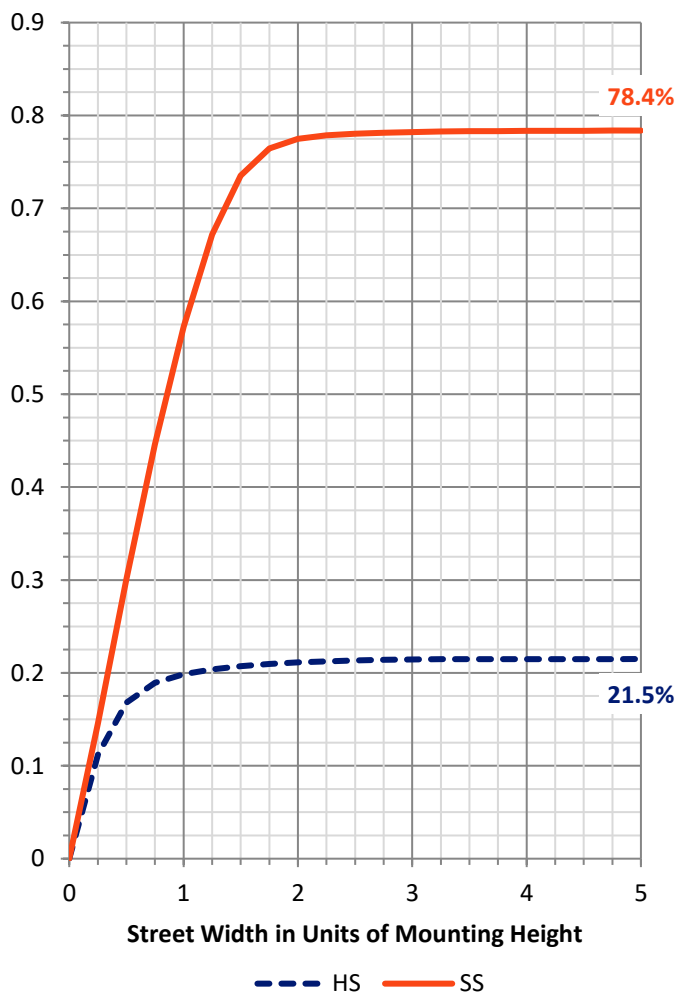
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4799.0	0.0	4799.0
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	17321.3	0.0	17321.3
	% Fixture	78.3	0.0	78.3
Total	Lumens	22120.3	0.0	22120.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	368.4	1.7
10°-20°	1243.1	5.6
20°-30°	2308.1	10.4
30°-40°	3694.8	16.7
40°-50°	5401.0	24.4
50°-60°	6665.8	30.1
60°-70°	2227.3	10.1
70°-80°	207.5	0.9
80°-90°	4.3	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°	22120.3	100.0
0°-180°	22120.3	100.0

Coefficient of Utilization



REPORT NUMBER: P642731

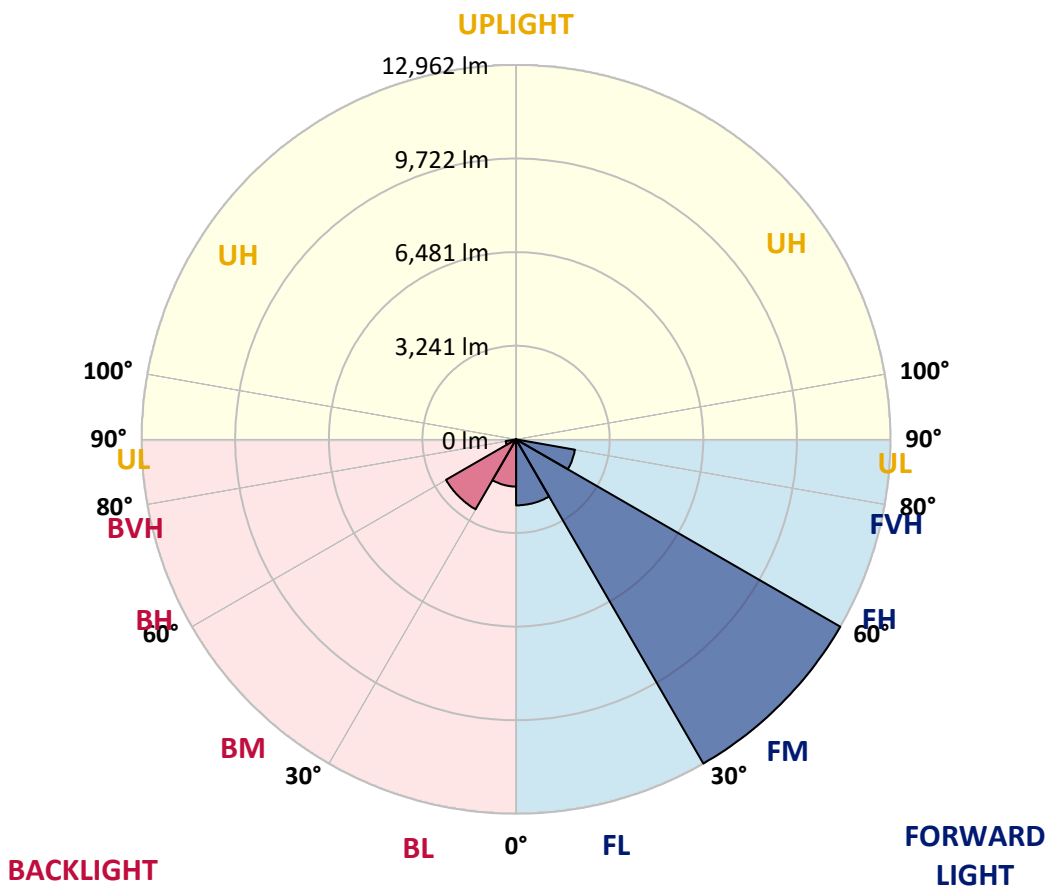
CATALOG NUMBER: GWS-SA6D-740-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2286.1	10.3			
FM (30°-60°)	12962.3	58.6			
FH (60°-80°)	2070.0	9.4			G2/5000
FVH (80°-90°)	2.9	0.0			G0/10
BL (0°-30°)	1633.5	7.4	B3/2500		
BM (30°-60°)	2799.3	12.7	B3/5000		
BH (60°-80°)	364.8	1.6	B1/500		G1/500
BVH (80°-90°)	1.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P642731

CATALOG NUMBER: GWS-SA6D-740-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0
2.5°	3741.5	3738.9	3736.3	3751.8	3746.6	3744.0	3749.2	3749.2	3749.2	3733.8	3703.0
5°	3831.4	3831.4	3828.8	3844.2	3831.4	3823.7	3826.2	3826.2	3816.0	3787.7	3749.2
7.5°	3972.6	3967.5	3962.3	3977.7	3964.9	3962.3	3967.5	3952.1	3934.1	3887.9	3833.9
10°	4175.5	4175.5	4167.8	4183.2	4172.9	4167.8	4167.8	4157.5	4124.1	4052.2	3972.6
12.5°	4455.4	4442.5	4424.6	4411.7	4406.6	4404.0	4406.6	4391.2	4355.2	4262.8	4152.4
15°	4761.0	4750.7	4722.4	4701.9	4673.6	4668.5	4683.9	4671.1	4635.1	4509.3	4352.6
17.5°	5146.1	5159.0	5087.1	5043.4	4961.3	4956.1	4961.3	4981.8	4956.1	4794.3	4565.8
20°	5474.8	5485.1	5431.2	5400.4	5325.9	5292.5	5302.8	5336.2	5307.9	5117.9	4799.5
22.5°	5826.6	5839.5	5783.0	5718.8	5685.4	5685.4	5723.9	5770.1	5731.6	5482.5	5066.5
25°	6247.8	6258.1	6211.8	6127.1	6068.0	6142.5	6199.0	6322.3	6258.1	5919.1	5382.4
27.5°	6730.6	6733.1	6666.4	6579.0	6548.2	6686.9	6743.4	6933.4	6907.7	6409.6	5716.2
30°	7246.7	7249.3	7233.9	7174.8	7146.6	7328.9	7405.9	7680.7	7662.7	7018.2	6170.7
32.5°	7783.4	7783.4	7811.7	7806.5	7839.9	8137.8	8261.0	8574.3	8556.4	7762.9	6735.7
35°	8322.7	8325.2	8374.0	8497.3	8636.0	9031.4	9193.2	9573.3	9532.2	8653.9	7457.3
37.5°	8936.4	8910.7	8977.5	9162.4	9470.5	9927.6	10081.7	10443.8	10397.6	9565.6	8399.7
40°	9676.0	9629.8	9629.8	9845.5	10194.7	10721.1	10852.1	11031.8	10875.2	10302.6	9324.2
42.5°	10492.6	10448.9	10392.4	10582.5	10875.2	11286.1	11393.9	11345.1	11216.7	10998.5	10377.0
45°	11319.5	11252.7	11291.2	11406.8	11576.3	11771.4	11812.5	11586.5	11527.5	11589.1	11247.6
47.5°	11948.6	11902.4	11997.4	12159.2	12297.8	12326.1	12297.8	11984.6	11979.4	12197.7	11851.0
50°	12159.2	12164.3	12426.2	12780.6	13004.0	13027.1	12988.6	12629.1	12580.3	12644.5	12177.1
52.5°	12179.7	12200.3	12582.9	13258.2	13866.8	14144.2	14113.4	13725.6	13248.0	13178.6	12670.2
55°	11684.1	11804.8	12338.9	13325.0	14619.3	15505.2	15607.9	14865.8	14157.0	14098.0	13730.7
57.5°	9339.6	9586.1	10230.7	11635.3	13779.5	15646.4	15913.5	15379.4	14693.7	14442.1	13445.7
60°	5582.7	5888.3	6507.1	8230.2	10487.4	12860.2	13319.9	13394.3	13078.5	12351.8	10315.4
62.5°	2395.9	2370.2	3132.9	4452.8	6237.5	8173.7	8381.7	8705.3	8980.1	8220.0	6260.6
65°	821.7	893.6	1242.9	2008.1	3122.6	3795.4	3980.3	4270.5	4660.8	3846.8	2293.2
67.5°	508.5	539.3	716.5	1186.4	1684.6	1658.9	1576.7	1530.5	1489.4	1019.5	629.1
70°	369.8	395.5	503.3	816.6	1132.5	796.1	690.8	559.8	621.4	572.6	446.8
72.5°	249.1	269.6	346.7	495.6	580.4	387.8	359.5	408.3	493.0	469.9	364.6
75°	148.9	161.8	197.7	241.4	236.3	200.3	202.9	287.6	377.5	351.8	259.4
77.5°	102.7	107.9	131.0	156.6	115.6	61.6	56.5	79.6	128.4	128.4	87.3
80°	25.7	33.4	33.4	20.5	18.0	15.4	15.4	23.1	36.0	25.7	12.8
82.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1	5.1
85°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1
87.5°	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1
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: P642731

CATALOG NUMBER: GWS-SA6D-740-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0	3703.0
2.5°	3720.9	3690.1	3710.7	3705.5	3720.9	3726.1	3703.0	3697.8	3700.4	3669.6	3659.3
5°	3756.9	3720.9	3731.2	3720.9	3738.9	3754.3	3746.6	3756.9	3769.7	3746.6	3736.3
7.5°	3833.9	3798.0	3795.4	3780.0	3805.7	3816.0	3813.4	3841.6	3867.3	3851.9	3836.5
10°	3967.5	3918.7	3913.5	3900.7	3908.4	3916.1	3887.9	3893.0	3916.1	3898.1	3890.4
12.5°	4131.8	4072.7	4059.9	4029.1	4029.1	3990.6	3928.9	3916.1	3934.1	3921.2	3908.4
15°	4309.0	4229.4	4208.8	4154.9	4103.6	4031.7	3967.5	3952.1	3964.9	3949.5	3939.2
17.5°	4506.7	4416.8	4350.1	4255.1	4142.1	4057.3	3985.4	3952.1	3931.5	3900.7	3898.1
20°	4701.9	4583.8	4470.8	4319.3	4170.3	4041.9	3923.8	3836.5	3762.0	3715.8	3697.8
22.5°	4927.9	4753.2	4570.9	4357.8	4144.6	3949.5	3741.5	3592.5	3464.1	3420.5	3399.9
25°	5169.3	4943.3	4671.1	4393.7	4057.3	3744.0	3461.6	3240.7	3071.3	3014.8	2991.6
27.5°	5436.3	5125.6	4773.8	4386.0	3877.6	3451.3	3076.4	2801.6	2634.7	2583.3	2601.3
30°	5775.3	5361.8	4902.2	4306.4	3607.9	3040.4	2601.3	2370.2	2244.4	2195.6	2198.2
32.5°	6227.2	5700.8	5089.6	4136.9	3261.3	2573.1	2187.9	2018.4	1933.7	1869.5	1864.3
35°	6874.4	6217.0	5264.3	3864.7	2840.1	2157.1	1877.2	1743.6	1625.5	1551.0	1563.9
37.5°	7649.9	6866.7	5359.3	3497.5	2367.6	1833.5	1643.5	1507.4	1373.8	1263.4	1276.3
40°	8569.2	7716.6	5351.6	3014.8	1936.2	1612.7	1448.3	1289.1	1122.2	1022.0	1032.3
42.5°	9593.8	8520.4	5184.7	2503.7	1605.0	1432.9	1260.9	1060.6	898.8	837.1	839.7
45°	10482.3	9172.7	4891.9	1974.7	1350.7	1258.3	1065.7	860.3	788.4	744.7	742.1
47.5°	11139.7	9650.3	4473.3	1553.6	1145.3	1099.1	875.7	770.4	713.9	677.9	672.8
50°	11506.9	9817.2	4011.1	1217.2	968.1	932.2	783.2	698.5	660.0	636.8	631.7
52.5°	12000.0	10017.5	3679.9	960.4	811.5	762.7	721.6	649.7	624.0	606.0	598.3
55°	12780.6	10405.3	3392.2	762.7	675.4	665.1	680.5	621.4	606.0	577.8	567.5
57.5°	12046.2	9347.3	2634.7	590.6	570.1	608.6	657.4	593.2	554.7	529.0	518.7
60°	8476.8	6214.4	1325.1	475.1	508.5	570.1	618.9	536.7	498.2	503.3	498.2
62.5°	4673.6	3109.8	595.8	398.0	441.7	503.3	529.0	464.8	439.1	482.8	490.5
65°	1527.9	1058.0	344.1	308.2	349.2	410.9	457.1	441.7	436.5	487.9	503.3
67.5°	469.9	349.2	233.7	220.8	241.4	303.0	385.2	477.6	513.6	529.0	536.7
70°	351.8	274.8	200.3	187.5	197.7	231.1	326.1	398.0	374.9	377.5	372.4
72.5°	282.5	218.3	172.1	164.3	164.3	159.2	172.1	215.7	244.0	256.8	256.8
75°	197.7	154.1	131.0	120.7	95.0	77.0	69.3	69.3	61.6	59.1	56.5
77.5°	66.8	56.5	51.4	41.1	28.2	23.1	20.5	18.0	12.8	7.7	5.1
80°	10.3	7.7	5.1	5.1	5.1	2.6	2.6	2.6	0.0	0.0	0.0
82.5°	5.1	5.1	5.1	5.1	5.1	2.6	2.6	0.0	0.0	0.0	0.0
85°	5.1	5.1	5.1	5.1	5.1	2.6	2.6	0.0	0.0	0.0	0.0
87.5°	5.1	5.1	5.1	5.1	2.6	2.6	2.6	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)