

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: P642724

Luminaire Tested: GWS-SA6D-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-740-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29865.3 lumens
Efficiency: N/A
Efficacy: 121.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

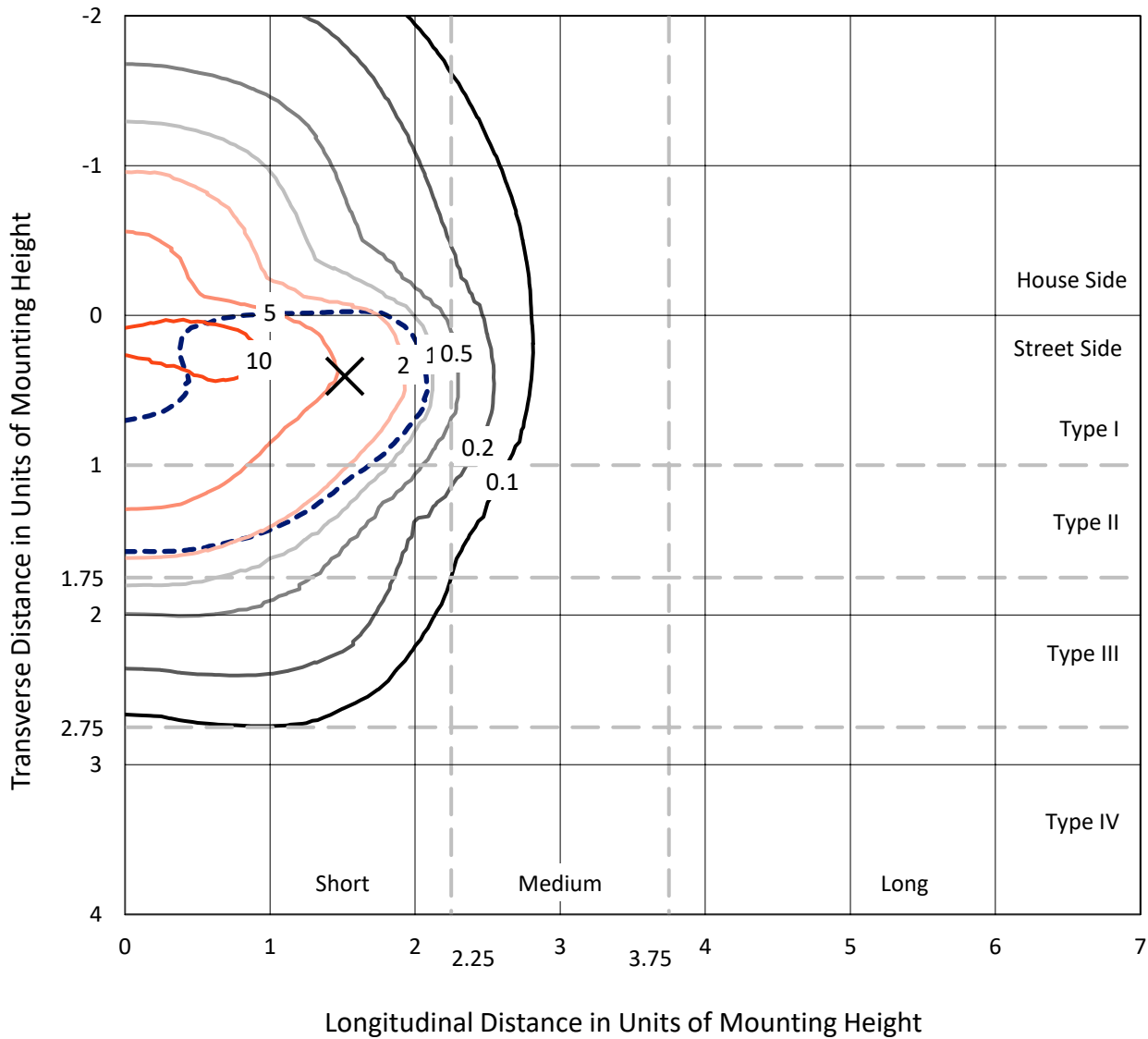
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

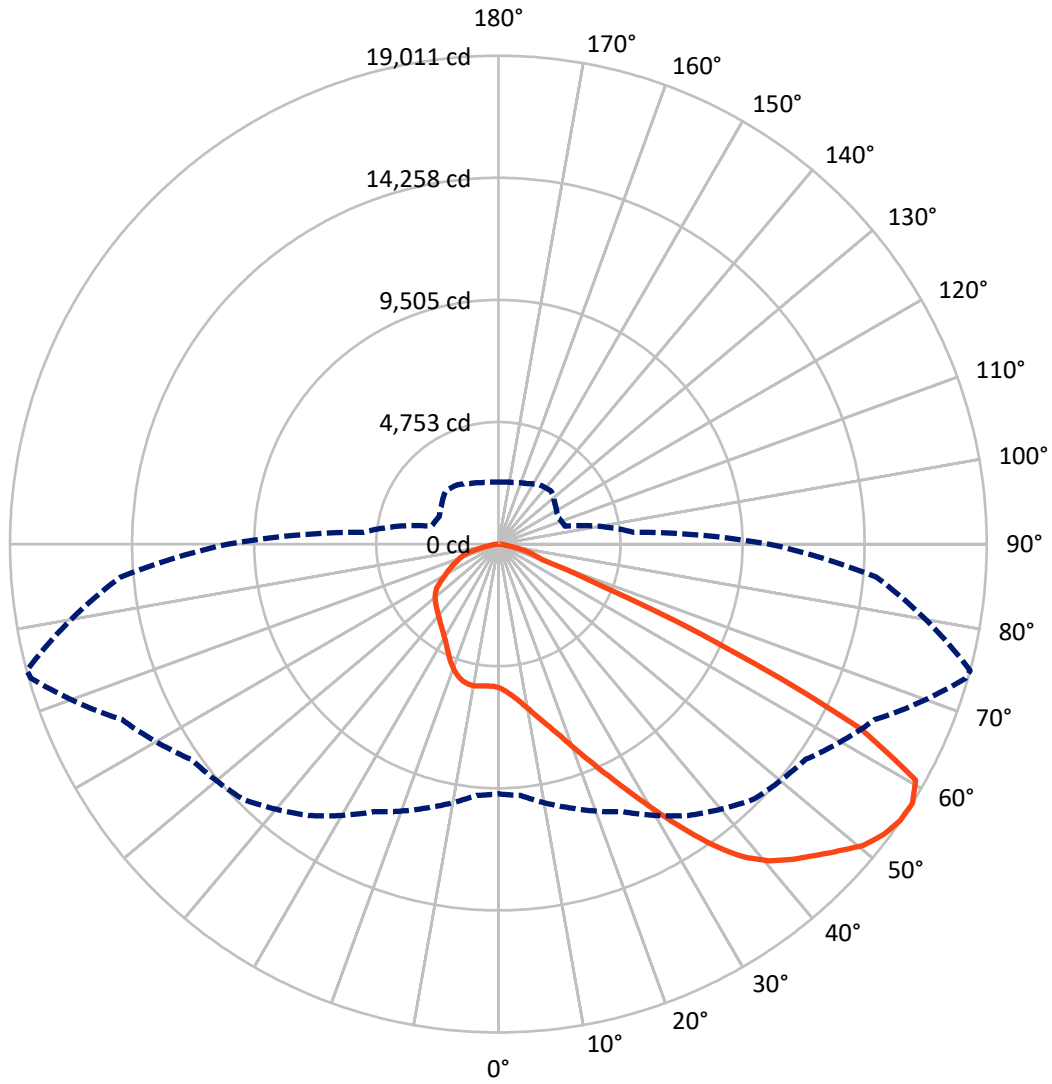
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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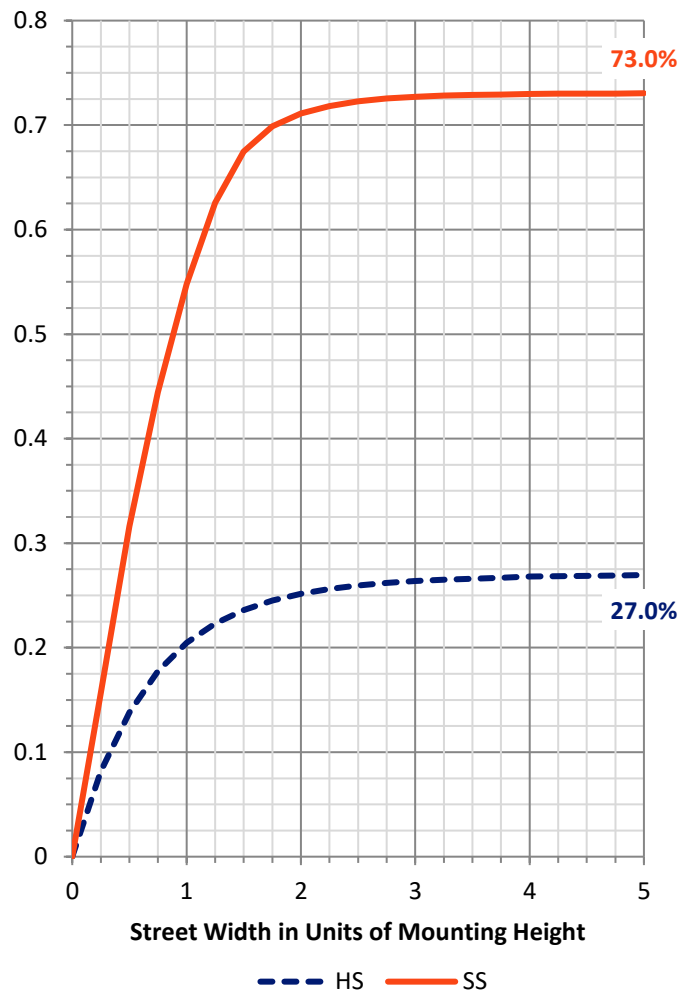
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8079.1	0.0	8079.1
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	21786.1	0.0	21786.1
	% Fixture	72.9	0.0	72.9
Total	Lumens	29865.3	0.0	29865.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	559.7	1.9
10°-20°	1782.0	6.0
20°-30°	3160.2	10.6
30°-40°	4837.8	16.2
40°-50°	6736.2	22.6
50°-60°	7718.4	25.8
60°-70°	3965.8	13.3
70°-80°	998.4	3.3
80°-90°	106.7	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°	29865.3	100.0
0°-180°	29865.3	100.0

Coefficient of Utilization



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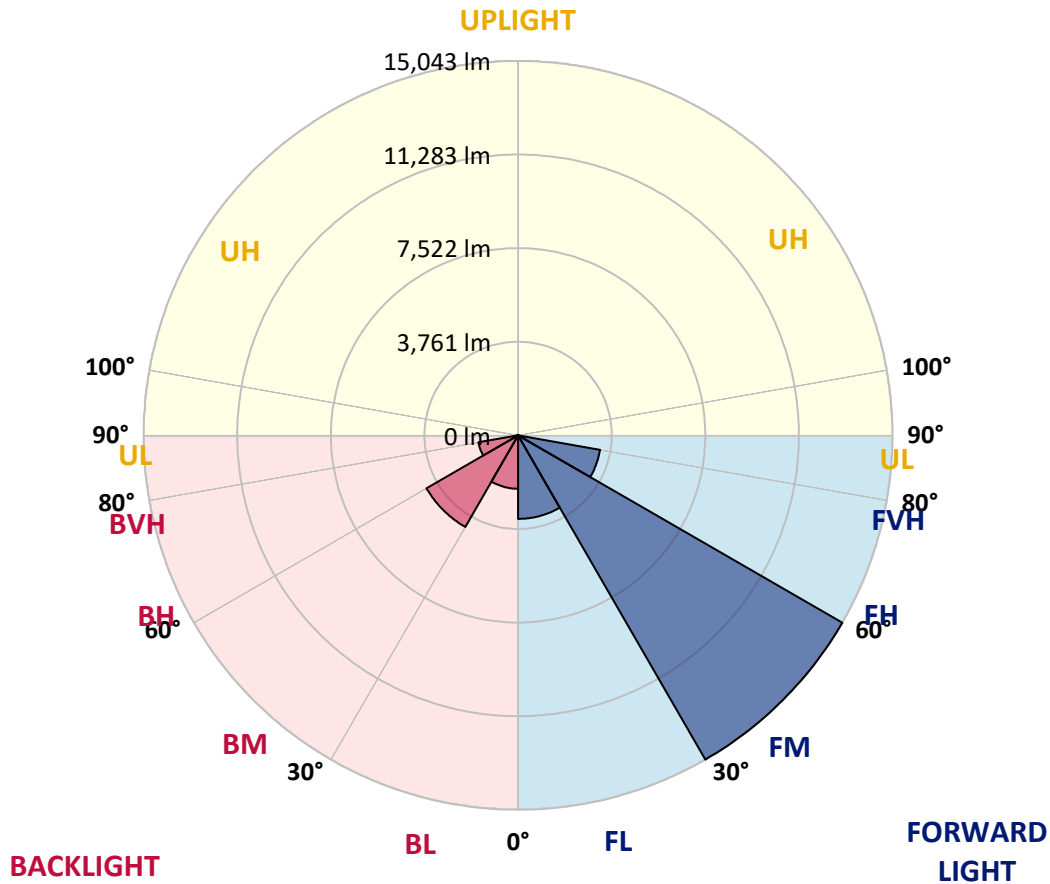
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3355.6	11.2			
FM (30°-60°)	15043.5	50.4			
FH (60°-80°)	3347.6	11.2			G2/5000
FVH (80°-90°)	39.5	0.1			G1/100
BL (0°-30°)	2146.3	7.2	B3/2500		
BM (30°-60°)	4248.9	14.2	B3/5000		
BH (60°-80°)	1616.7	5.4	B3/2500		G3/2500
BVH (80°-90°)	67.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1
2.5°	6009.1	6024.5	6009.1	6034.7	5983.4	5960.3	5903.8	5819.0	5752.3	5742.0	5667.5
5°	6476.4	6509.8	6489.3	6479.0	6409.7	6358.3	6273.6	6104.1	5965.4	5944.9	5798.5
7.5°	6776.9	6800.0	6800.0	6807.7	6782.0	6723.0	6633.1	6432.8	6237.6	6206.8	5986.0
10°	6877.0	6895.0	6928.4	6992.6	7044.0	7061.9	7002.9	6810.3	6571.5	6540.6	6232.5
12.5°	6900.2	6920.7	6972.1	7090.2	7231.4	7359.8	7370.1	7228.9	6961.8	6928.4	6517.5
15°	6943.8	6964.4	7033.7	7180.1	7388.1	7634.6	7786.1	7688.5	7393.2	7357.3	6841.1
17.5°	6938.7	6961.8	7064.5	7259.7	7539.6	7896.5	8189.3	8230.4	7924.8	7863.1	7208.3
20°	6925.8	6946.4	7056.8	7295.6	7642.3	8132.8	8661.8	8874.9	8546.2	8489.7	7637.2
22.5°	7028.6	7051.7	7136.4	7334.1	7696.2	8315.1	9098.3	9611.9	9283.2	9203.6	8130.2
25°	7259.7	7293.1	7344.4	7480.5	7793.8	8476.9	9545.2	10446.5	10110.1	10015.1	8666.9
27.5°	7616.6	7657.7	7729.6	7793.8	8012.1	8682.3	9989.4	11381.3	11044.9	10944.7	9234.4
30°	8053.2	8107.1	8199.6	8243.2	8392.1	8985.4	10472.2	12344.3	12149.1	12010.4	9873.9
32.5°	8656.7	8731.1	8818.4	8831.3	8921.2	9445.0	10949.9	13299.6	13297.0	13199.4	10600.6
35°	9442.5	9522.1	9540.0	9558.0	9601.7	10076.7	11527.6	14170.1	14506.5	14393.5	11391.5
37.5°	10300.2	10415.7	10444.0	10364.4	10426.0	10836.9	12177.3	14868.6	15559.4	15438.7	12156.8
40°	11216.9	11263.1	11340.2	11214.4	11291.4	11707.4	12814.2	15315.4	16345.2	16216.8	12760.3
42.5°	11874.3	11959.1	12074.6	12028.4	12072.1	12452.1	13261.0	15531.1	16905.0	16776.6	13194.3
45°	12588.2	12613.9	12688.4	12678.1	12703.8	13058.2	13582.0	15626.1	17405.7	17290.2	13564.1
47.5°	13209.7	13248.2	13297.0	13240.5	13184.0	13415.1	13844.0	15708.3	17983.5	17844.9	13951.8
50°	13808.0	13841.4	13900.5	13736.1	13525.5	13584.6	13972.4	15821.3	18525.4	18427.8	14257.4
52.5°	13918.4	13954.4	14231.7	14265.1	13995.5	13787.5	14198.3	16070.4	18843.8	18782.2	14367.8
55°	12529.2	12593.4	13145.5	13779.8	14444.9	14378.1	14560.4	16201.4	18969.6	18985.1	14565.6
57.5°	9724.9	9817.4	10623.7	11494.3	12893.8	14052.0	14606.7	16168.0	18926.0	19010.7	14768.4
60°	6378.9	6432.8	7388.1	8363.9	9814.8	11417.2	13073.6	15567.1	18538.2	18658.9	14717.1
62.5°	3852.0	3913.6	4681.4	5421.0	6276.1	7347.0	8867.2	12511.2	15538.8	15808.5	11787.0
65°	2688.7	2770.8	3443.7	4052.3	4347.6	4126.7	4491.4	6987.5	9681.3	9794.3	7203.2
67.5°	1949.1	2005.6	2557.7	3281.9	3608.0	2914.7	2221.3	3094.4	4216.6	4257.7	2971.1
70°	1276.3	1340.5	1841.2	2498.6	2945.5	2362.5	1661.5	1674.3	1774.5	1795.0	1725.7
72.5°	701.1	739.6	1137.6	1658.9	1741.1	1412.4	1296.8	1391.8	1461.2	1461.2	1479.2
75°	362.1	395.5	464.8	547.0	660.0	773.0	934.7	1076.0	1150.5	1155.6	1147.9
77.5°	184.9	197.7	249.1	269.6	295.3	344.1	446.8	572.7	639.4	665.1	660.0
80°	87.3	92.4	105.3	123.3	151.5	192.6	241.4	287.6	328.7	333.8	362.1
82.5°	46.2	51.4	56.5	66.8	82.2	102.7	141.2	169.5	195.2	200.3	223.4
85°	18.0	20.5	23.1	25.7	36.0	43.7	59.1	79.6	97.6	97.6	115.6
87.5°	0.0	0.0	0.0	0.0	2.6	5.1	10.3	12.8	18.0	18.0	30.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1	5593.1
2.5°	5649.5	5575.1	5541.7	5487.8	5444.1	5395.3	5356.8	5328.6	5310.6	5300.3	5290.0
5°	5742.0	5629.0	5539.1	5431.3	5356.8	5284.9	5225.8	5184.7	5164.2	5148.8	5138.5
7.5°	5885.8	5734.3	5564.8	5397.9	5266.9	5151.4	5076.9	5033.2	5005.0	4994.7	4987.0
10°	6083.5	5873.0	5593.1	5328.6	5133.4	5007.6	4956.2	4935.7	4938.2	4933.1	4930.5
12.5°	6307.0	6019.3	5585.3	5205.3	4989.6	4915.1	4917.7	4951.1	4989.6	4999.9	5002.4
15°	6548.3	6163.1	5510.9	5046.1	4876.6	4884.3	4951.1	5030.7	5102.6	5130.8	5136.0
17.5°	6810.3	6283.8	5374.8	4871.5	4784.1	4866.3	4989.6	5120.5	5225.8	5272.1	5284.9
20°	7103.0	6386.6	5182.2	4699.4	4696.8	4832.9	5012.7	5184.7	5318.3	5379.9	5390.2
22.5°	7413.7	6450.8	4945.9	4540.2	4607.0	4789.3	4994.7	5174.5	5315.7	5377.3	5390.2
25°	7727.0	6471.3	4686.6	4393.8	4514.5	4719.9	4907.4	5051.2	5184.7	5238.7	5248.9
27.5°	8019.8	6412.2	4440.0	4268.0	4429.8	4617.2	4743.1	4820.1	4912.5	4953.6	4961.3
30°	8317.7	6294.1	4232.0	4167.8	4334.7	4476.0	4532.5	4537.6	4573.6	4573.6	4578.7
32.5°	8618.1	6119.5	4049.7	4070.2	4216.6	4309.1	4316.8	4257.7	4214.1	4142.1	4139.6
35°	8964.8	5942.3	3900.8	3959.8	4077.9	4134.4	4111.3	3998.3	3893.1	3774.9	3769.8
37.5°	9285.8	5760.0	3774.9	3846.8	3921.3	3962.4	3908.5	3772.4	3685.0	3564.4	3546.4
40°	9550.3	5595.6	3654.2	3728.7	3764.7	3800.6	3713.3	3602.9	3615.7	3548.9	3546.4
42.5°	9704.4	5436.4	3541.2	3597.7	3620.8	3646.5	3569.5	3487.3	3556.6	3505.3	3507.9
45°	9817.4	5297.7	3438.5	3459.1	3515.6	3554.1	3482.2	3389.7	3405.1	3207.4	3161.2
47.5°	9945.8	5220.7	3340.9	3320.4	3420.5	3487.3	3376.9	3243.4	3150.9	2955.7	2937.8
50°	10081.9	5192.4	3238.2	3181.7	3302.4	3366.6	3238.2	3071.3	2950.6	2845.3	2835.0
52.5°	10128.1	5189.9	3109.8	3014.8	3135.5	3225.4	3117.5	2948.0	2804.2	2701.5	2696.4
55°	10310.4	5264.4	2945.5	2786.3	2899.2	3084.1	3004.5	2760.6	2645.0	2598.8	2593.7
57.5°	10523.6	5277.2	2686.1	2537.2	2693.8	2912.1	2811.9	2601.4	2475.5	2419.0	2413.9
60°	10436.3	4961.3	2408.8	2347.1	2519.2	2750.3	2657.9	2475.5	2329.2	2275.2	2270.1
62.5°	7953.0	3502.7	2205.9	2182.8	2331.7	2516.6	2498.6	2308.6	2169.9	2131.4	2126.3
65°	4784.1	2460.1	2010.7	2008.2	2113.4	2290.6	2313.7	2159.7	2013.3	1959.4	1959.4
67.5°	2365.1	1882.3	1789.9	1777.0	1843.8	1969.6	2067.2	1941.4	1818.1	1766.8	1759.1
70°	1671.8	1658.9	1628.1	1592.1	1605.0	1656.3	1697.4	1592.1	1461.2	1409.8	1399.5
72.5°	1445.8	1448.3	1427.8	1399.5	1389.3	1353.3	1317.4	1240.3	1160.7	1106.8	1111.9
75°	1122.2	1127.3	1140.2	1129.9	1101.7	1063.1	1024.6	927.0	862.8	811.5	801.2
77.5°	654.8	680.5	721.6	711.3	716.5	662.5	647.1	552.1	493.1	457.1	449.4
80°	369.8	385.2	403.2	416.0	400.6	377.5	344.1	292.7	274.8	249.1	244.0
82.5°	223.4	238.8	246.5	256.8	251.7	220.8	195.2	161.8	146.4	133.5	131.0
85°	113.0	123.3	131.0	136.1	120.7	100.2	89.9	71.9	61.6	53.9	53.9
87.5°	28.2	30.8	36.0	30.8	28.2	12.8	10.3	2.6	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)