

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: P642669

Luminaire Tested: GWS-SA6D-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642669
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29456 lumens
Efficiency: N/A
Efficacy: 119.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

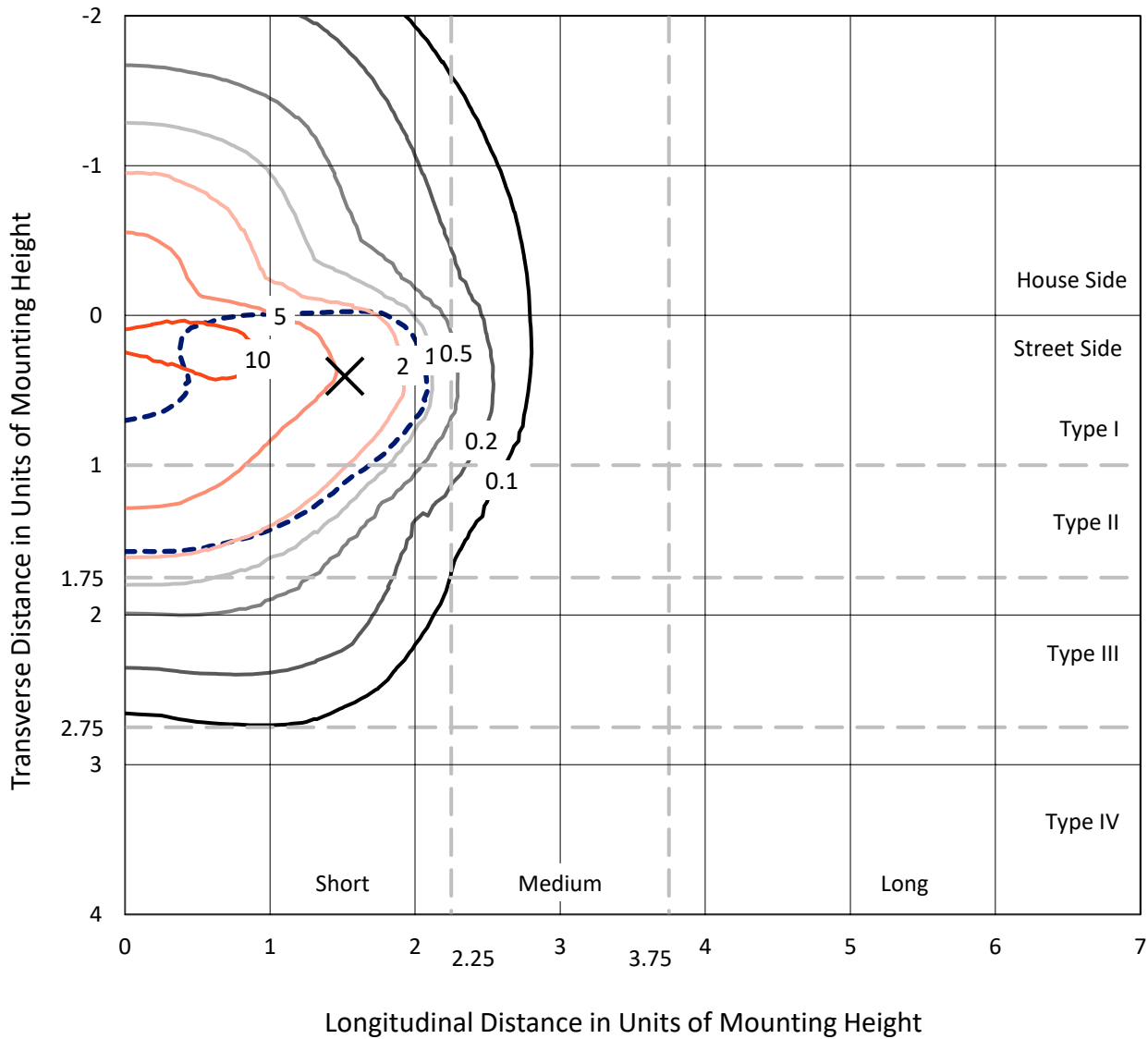
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

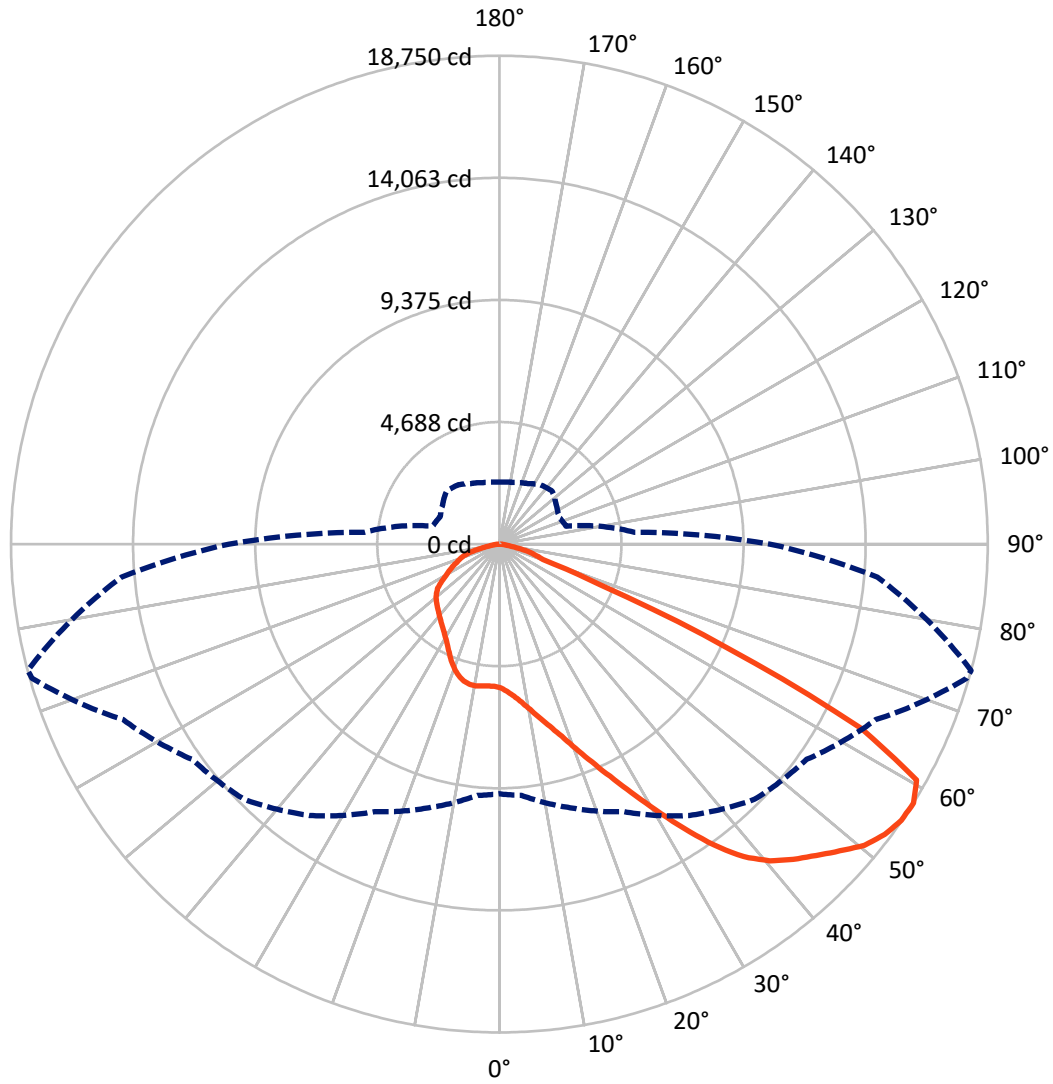
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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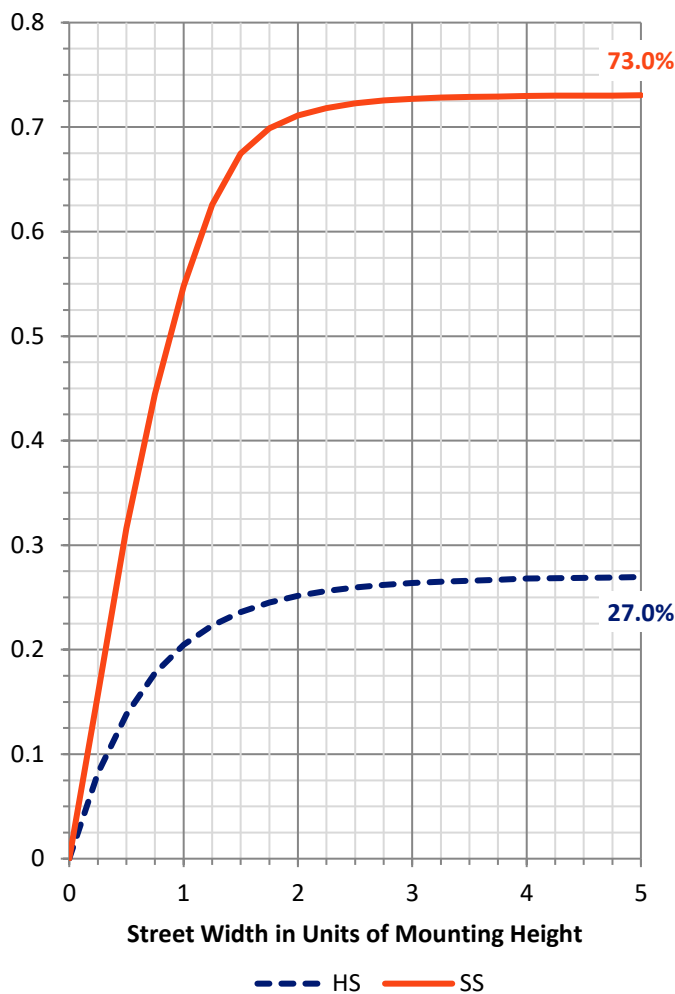
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7968.4	0.0	7968.4
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	21487.6	0.0	21487.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	29456.0	0.0	29456.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.0	1.9
10°-20°	1757.5	6.0
20°-30°	3116.9	10.6
30°-40°	4771.5	16.2
40°-50°	6643.9	22.6
50°-60°	7612.6	25.8
60°-70°	3911.5	13.3
70°-80°	984.8	3.3
80°-90°	105.3	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°	29456.0	100.0
0°-180°	29456.0	100.0

Coefficient of Utilization



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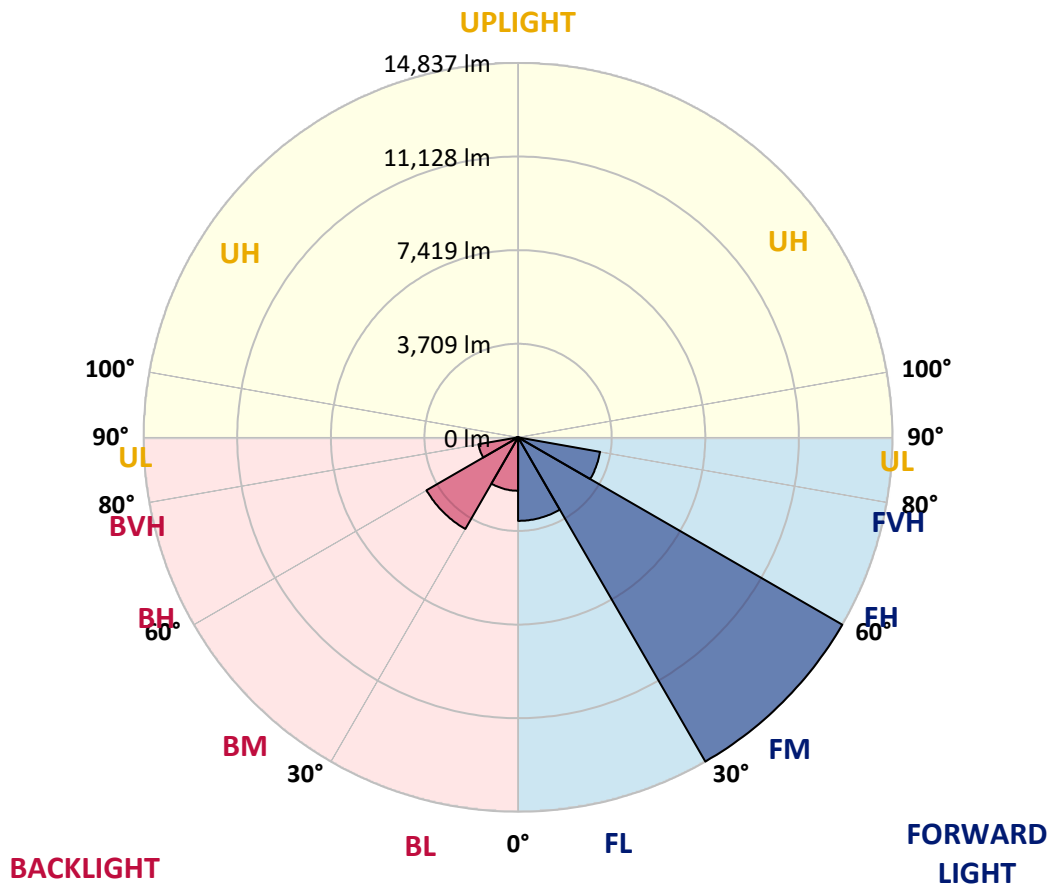
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3309.6	11.2			
FM (30°-60°)	14837.3	50.4			
FH (60°-80°)	3301.7	11.2			G2/5000
FVH (80°-90°)	39.0	0.1			G1/100
BL (0°-30°)	2116.9	7.2	B3/2500		
BM (30°-60°)	4190.7	14.2	B3/5000		
BH (60°-80°)	1594.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	66.3	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°	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4
2.5°	5926.7	5941.9	5926.7	5952.0	5901.4	5878.6	5822.9	5739.3	5673.4	5663.3	5589.9
5°	6387.7	6420.6	6400.3	6390.2	6321.8	6271.2	6187.6	6020.4	5883.7	5863.4	5719.0
7.5°	6684.0	6706.8	6706.8	6714.4	6689.1	6630.8	6542.2	6344.6	6152.1	6121.7	5903.9
10°	6782.8	6800.5	6833.4	6896.8	6947.4	6965.2	6906.9	6716.9	6481.4	6451.0	6147.1
12.5°	6805.6	6825.9	6876.5	6993.0	7132.3	7259.0	7269.1	7129.8	6866.4	6833.4	6428.2
15°	6848.6	6868.9	6937.3	7081.7	7286.8	7530.0	7679.4	7583.2	7291.9	7256.4	6747.3
17.5°	6843.6	6866.4	6967.7	7160.2	7436.3	7788.3	8077.0	8117.6	7816.2	7755.4	7109.5
20°	6830.9	6851.2	6960.1	7195.6	7537.6	8021.3	8543.1	8753.3	8429.1	8373.4	7532.5
22.5°	6932.2	6955.0	7038.6	7233.6	7590.8	8201.2	8973.7	9480.2	9156.0	9077.5	8018.8
25°	7160.2	7193.1	7243.8	7378.0	7687.0	8360.7	9414.4	10303.4	9971.6	9877.9	8548.1
27.5°	7512.2	7552.8	7623.7	7687.0	7902.3	8563.3	9852.5	11225.3	10893.5	10794.7	9107.9
30°	7942.8	7996.0	8087.2	8130.2	8277.1	8862.2	10328.7	12175.1	11982.6	11845.8	9738.6
32.5°	8538.0	8611.5	8697.6	8710.2	8798.9	9315.6	10799.8	13117.3	13114.8	13018.5	10455.3
35°	9313.0	9391.6	9409.3	9427.0	9470.1	9938.6	11369.7	13975.9	14307.7	14196.2	11235.4
37.5°	10159.0	10273.0	10300.8	10222.3	10283.1	10688.3	12010.5	14664.8	15346.1	15227.1	11990.2
40°	11063.2	11108.8	11184.8	11060.7	11136.6	11547.0	12638.6	15105.5	16121.2	15994.5	12585.4
42.5°	11711.6	11795.2	11909.1	11863.6	11906.6	12281.5	13079.3	15318.3	16673.3	16546.7	13013.4
45°	12415.7	12441.0	12514.5	12504.4	12529.7	12879.2	13395.9	15412.0	17167.2	17053.2	13378.2
47.5°	13028.6	13066.6	13114.8	13059.0	13003.3	13231.3	13654.2	15493.0	17737.1	17600.3	13760.6
50°	13618.8	13651.7	13710.0	13547.9	13340.2	13398.4	13780.9	15604.5	18271.5	18175.3	14062.0
52.5°	13727.7	13763.1	14036.7	14069.6	13803.7	13598.5	14003.8	15850.2	18585.6	18524.8	14170.9
55°	12357.4	12420.8	12965.3	13590.9	14246.9	14181.1	14360.9	15979.3	18709.7	18724.9	14365.9
57.5°	9591.6	9682.8	10478.1	11336.7	12717.1	13859.4	14406.5	15946.4	18666.6	18750.2	14566.0
60°	6291.4	6344.6	7286.8	8249.3	9680.3	11260.8	12894.4	15353.7	18284.2	18403.2	14515.4
62.5°	3799.2	3860.0	4617.3	5346.7	6190.1	7246.3	8745.7	12339.7	15325.9	15591.8	11625.5
65°	2651.8	2732.9	3396.5	3996.7	4288.0	4070.2	4429.8	6891.7	9548.6	9660.0	7104.5
67.5°	1922.4	1978.1	2522.7	3236.9	3558.6	2874.7	2190.9	3052.0	4158.8	4199.4	2930.4
70°	1258.8	1322.1	1816.0	2464.4	2905.1	2330.2	1638.7	1651.4	1750.2	1770.4	1702.0
72.5°	691.4	729.4	1122.0	1636.2	1717.2	1393.0	1279.1	1372.8	1441.2	1441.2	1458.9
75°	357.1	390.0	458.4	539.5	650.9	762.4	921.9	1061.2	1134.7	1139.8	1132.2
77.5°	182.4	195.0	245.7	265.9	291.3	339.4	440.7	564.8	630.7	656.0	650.9
80°	86.1	91.2	103.8	121.6	149.4	190.0	238.1	283.7	324.2	329.3	357.1
82.5°	45.6	50.7	55.7	65.9	81.0	101.3	139.3	167.2	192.5	197.6	220.4
85°	17.7	20.3	22.8	25.3	35.5	43.1	58.3	78.5	96.2	96.2	114.0
87.5°	0.0	0.0	0.0	0.0	2.5	5.1	10.1	12.7	17.7	17.7	30.4
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°	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4	5516.4
2.5°	5572.1	5498.7	5465.7	5412.6	5369.5	5321.4	5283.4	5255.5	5237.8	5227.7	5217.5
5°	5663.3	5551.9	5463.2	5356.8	5283.4	5212.5	5154.2	5113.7	5093.4	5078.2	5068.1
7.5°	5805.1	5655.7	5488.5	5323.9	5194.7	5080.8	5007.3	4964.3	4936.4	4926.3	4918.7
10°	6000.2	5792.5	5516.4	5255.5	5063.0	4938.9	4888.3	4868.0	4870.5	4865.5	4862.9
12.5°	6220.5	5936.8	5508.8	5134.0	4921.2	4847.7	4850.3	4883.2	4921.2	4931.3	4933.9
15°	6458.6	6078.7	5435.4	4976.9	4809.8	4817.4	4883.2	4961.7	5032.6	5060.5	5065.6
17.5°	6716.9	6197.7	5301.1	4804.7	4718.6	4799.6	4921.2	5050.4	5154.2	5199.8	5212.5
20°	7005.7	6299.0	5111.2	4635.0	4632.5	4766.7	4944.0	5113.7	5245.4	5306.2	5316.3
22.5°	7312.1	6362.4	4878.1	4478.0	4543.8	4723.6	4926.3	5103.6	5242.9	5303.6	5316.3
25°	7621.1	6382.6	4622.3	4333.6	4452.6	4655.3	4840.1	4982.0	5113.7	5166.9	5177.0
27.5°	7909.9	6324.4	4379.2	4209.5	4369.1	4553.9	4678.1	4754.0	4845.2	4885.7	4893.3
30°	8203.7	6207.9	4174.0	4110.7	4275.3	4414.6	4470.4	4475.4	4510.9	4510.9	4516.0
32.5°	8500.0	6035.6	3994.2	4014.5	4158.8	4250.0	4257.6	4199.4	4156.3	4085.4	4082.8
35°	8841.9	5860.9	3847.3	3905.6	4022.1	4077.8	4055.0	3943.5	3839.7	3723.2	3718.1
37.5°	9158.5	5681.0	3723.2	3794.1	3867.6	3908.1	3854.9	3720.7	3634.5	3515.5	3497.8
40°	9419.4	5518.9	3604.2	3677.6	3713.1	3748.5	3662.4	3553.5	3566.2	3500.3	3497.8
42.5°	9571.4	5361.9	3492.7	3548.4	3571.2	3596.6	3520.6	3439.5	3507.9	3457.2	3459.8
45°	9682.8	5225.1	3391.4	3411.7	3467.4	3505.4	3434.5	3343.3	3358.5	3163.4	3117.9
47.5°	9809.5	5149.1	3295.2	3274.9	3373.7	3439.5	3330.6	3198.9	3107.7	2915.2	2897.5
50°	9943.7	5121.3	3193.8	3138.1	3257.2	3320.5	3193.8	3029.2	2910.2	2806.3	2796.2
52.5°	9989.3	5118.8	3067.2	2973.5	3092.5	3181.2	3074.8	2907.6	2765.8	2664.5	2659.4
55°	10169.1	5192.2	2905.1	2748.1	2859.5	3041.9	2963.4	2722.7	2608.8	2563.2	2558.1
57.5°	10379.3	5204.9	2649.3	2502.4	2656.9	2872.2	2773.4	2565.7	2441.6	2385.9	2380.8
60°	10293.2	4893.3	2375.8	2315.0	2484.7	2712.6	2621.4	2441.6	2297.2	2244.0	2239.0
62.5°	7844.0	3454.7	2175.7	2152.9	2299.8	2482.1	2464.4	2277.0	2140.2	2102.2	2097.1
65°	4718.6	2426.4	1983.2	1980.6	2084.5	2259.2	2282.0	2130.1	1985.7	1932.5	1932.5
67.5°	2332.7	1856.5	1765.3	1752.7	1818.5	1942.6	2038.9	1914.8	1793.2	1742.6	1735.0
70°	1648.8	1636.2	1605.8	1570.3	1583.0	1633.6	1674.2	1570.3	1441.2	1390.5	1380.4
72.5°	1426.0	1428.5	1408.2	1380.4	1370.2	1334.8	1299.3	1223.3	1144.8	1091.6	1096.7
75°	1106.8	1111.9	1124.6	1114.4	1086.6	1048.6	1010.6	914.3	851.0	800.4	790.2
77.5°	645.9	671.2	711.7	701.6	706.6	653.5	638.3	544.5	486.3	450.8	443.2
80°	364.7	379.9	397.6	410.3	395.1	372.3	339.4	288.7	271.0	245.7	240.6
82.5°	220.4	235.5	243.1	253.3	248.2	217.8	192.5	159.6	144.4	131.7	129.2
85°	111.4	121.6	129.2	134.2	119.0	98.8	88.6	70.9	60.8	53.2	53.2
87.5°	27.9	30.4	35.5	30.4	27.9	12.7	10.1	2.5	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)