

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: P641707

Luminaire Tested: GWS-SA6B-740-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE 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: 15946 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

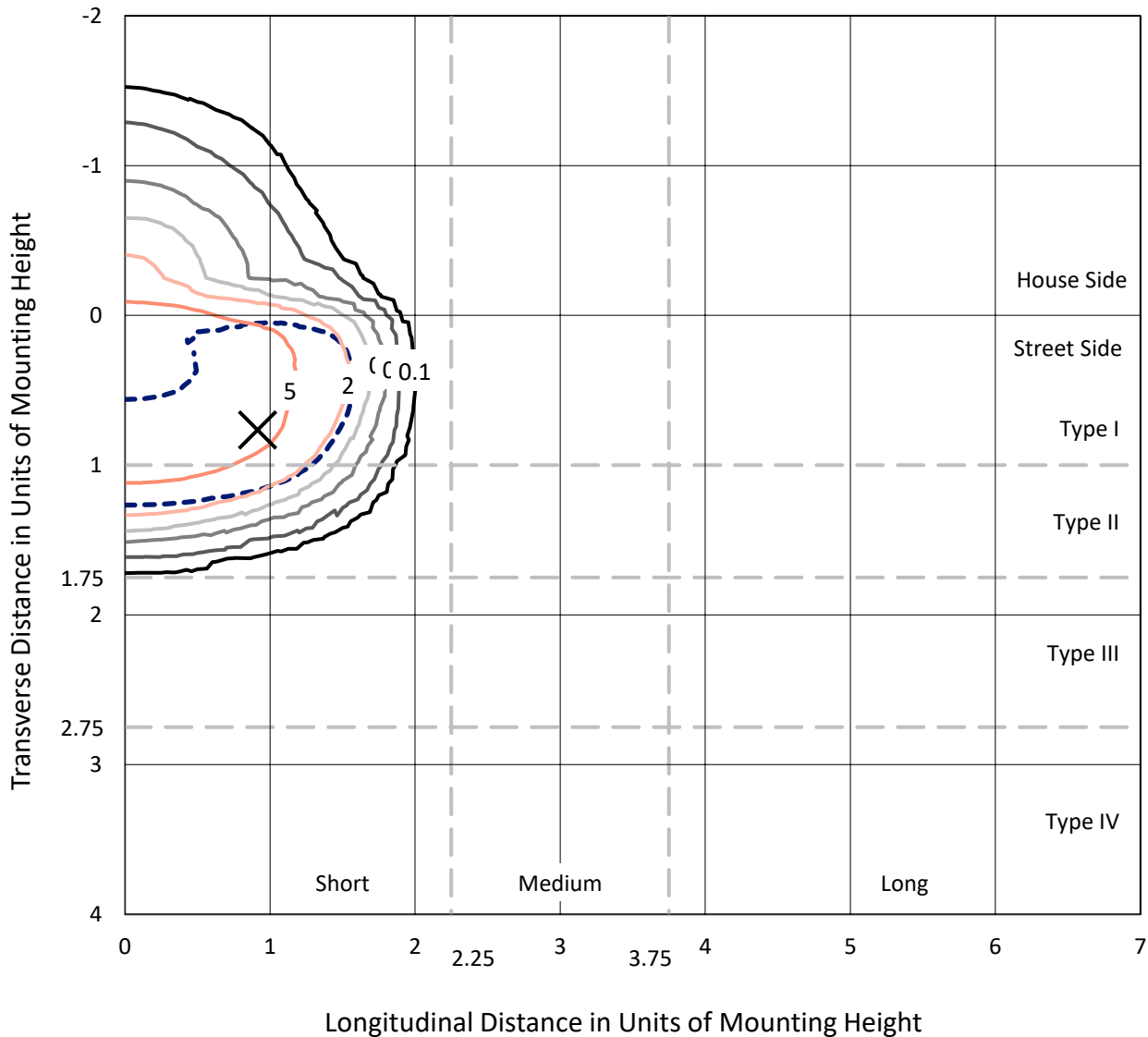
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

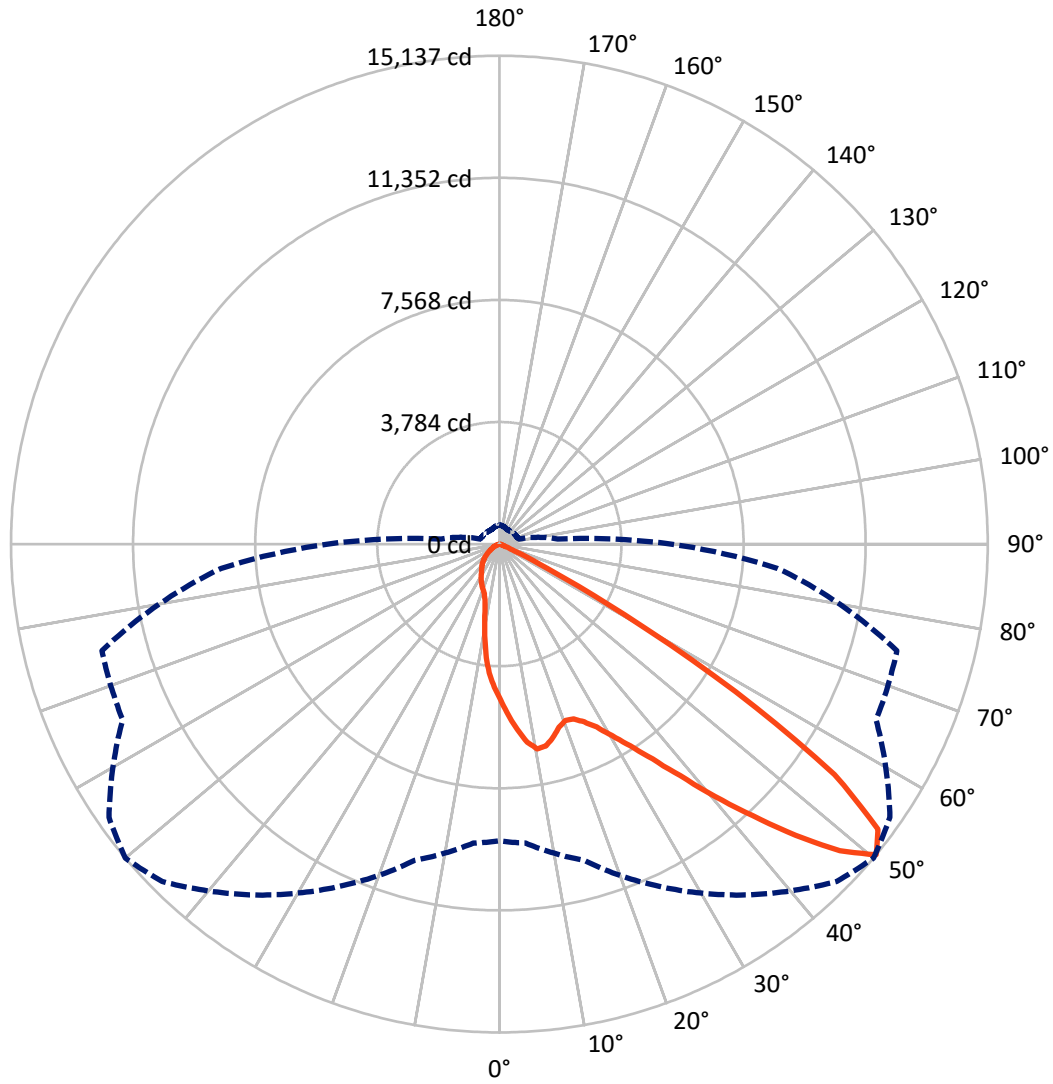
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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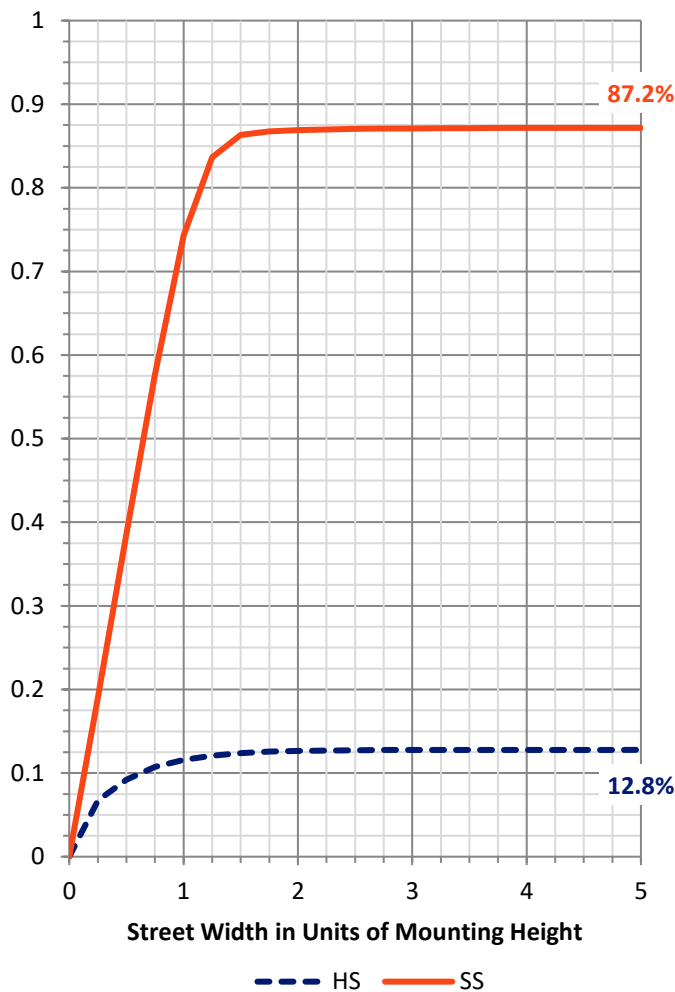
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2048.8	0.0	2048.8
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	13897.2	0.0	13897.2
	% Fixture	87.2	0.0	87.2
Total	Lumens	15946.0	0.0	15946.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	448.1	2.8
10°-20°	1156.3	7.3
20°-30°	1908.2	12.0
30°-40°	3149.0	19.7
40°-50°	4982.4	31.2
50°-60°	3772.3	23.7
60°-70°	472.1	3.0
70°-80°	53.4	0.3
80°-90°	4.1	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°	15946.0	100.0
0°-180°	15946.0	100.0

Coefficient of Utilization



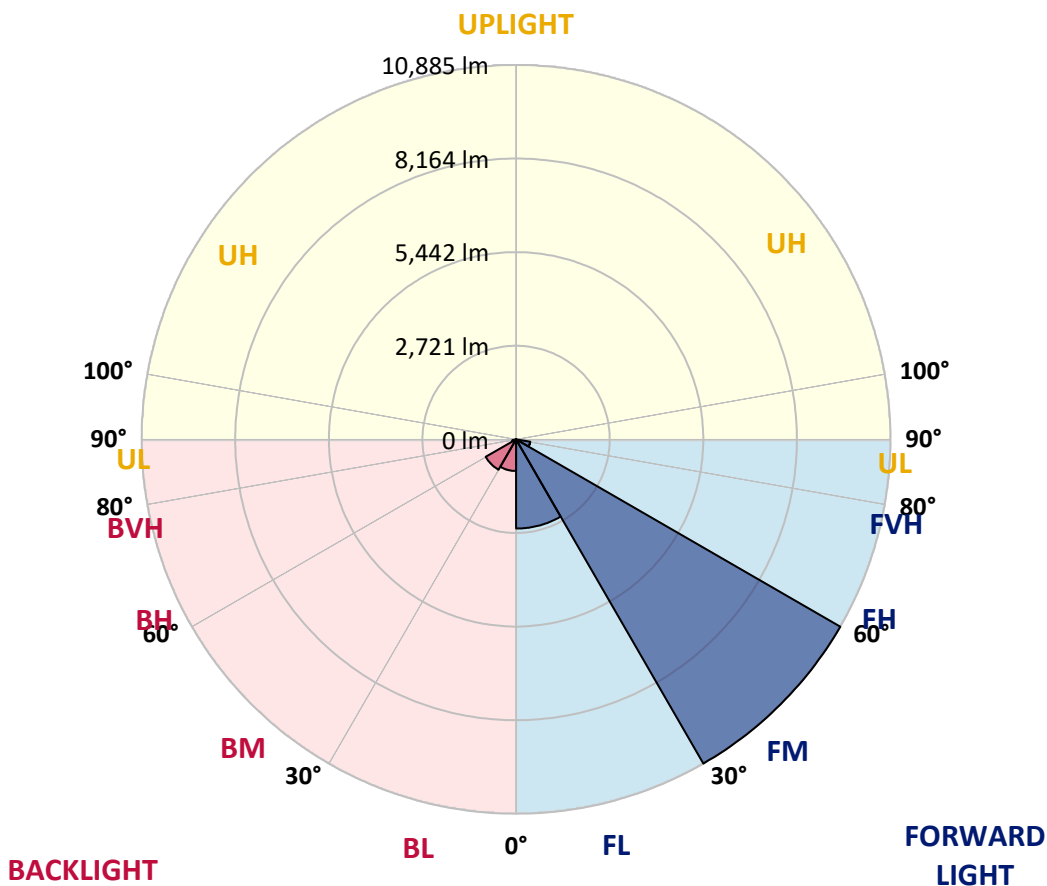
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2593.1	16.3			
FM (30°-60°)	10884.8	68.3			
FH (60°-80°)	417.4	2.6			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	919.6	5.8	B2/1000		
BM (30°-60°)	1018.9	6.4	B2/2500		
BH (60°-80°)	108.1	0.7	B0/110		G0/110
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0
2.5°	5504.9	5548.9	5536.8	5479.1	5416.9	5372.8	5304.5	5283.3	5128.5	5020.7	4906.9
5°	6169.7	6183.3	6168.1	6098.3	5989.0	5884.3	5772.0	5706.7	5447.2	5213.5	4975.2
7.5°	6329.0	6312.3	6341.2	6376.1	6360.9	6315.4	6197.0	6125.6	5816.0	5435.1	5073.8
10°	5831.2	5793.3	5901.0	6081.6	6271.4	6485.4	6455.0	6461.1	6175.7	5714.3	5202.9
12.5°	5171.0	5155.8	5236.2	5445.7	5817.5	6303.2	6420.1	6615.9	6505.1	6016.4	5350.1
15°	4881.1	4888.7	4937.2	5069.3	5336.4	5940.5	6221.3	6574.9	6799.5	6309.3	5512.5
17.5°	4925.1	4952.4	4950.9	4994.9	5157.3	5641.5	5969.3	6445.9	7027.2	6646.2	5699.2
20°	5224.1	5251.4	5210.4	5177.1	5231.7	5565.6	5837.3	6315.4	7180.5	6986.2	5896.5
22.5°	5671.8	5703.7	5606.6	5511.0	5476.0	5690.1	5887.4	6262.2	7297.4	7297.4	6072.5
25°	6213.7	6257.7	6107.4	5937.4	5840.3	5952.6	6101.4	6382.1	7417.3	7576.6	6192.4
27.5°	6819.3	6820.8	6691.8	6500.5	6318.4	6332.1	6421.6	6652.3	7549.3	7877.1	6286.5
30°	7500.7	7505.3	7333.8	7104.6	6875.4	6813.2	6889.1	7063.6	7824.0	8255.1	6417.1
32.5°	8381.0	8402.3	8156.4	7819.5	7522.0	7405.1	7449.1	7632.8	8261.1	8728.6	6612.8
35°	9570.9	9593.7	9231.0	8786.3	8312.7	8136.7	8180.7	8365.8	8894.0	9401.0	6925.5
37.5°	10745.7	10776.0	10408.7	9994.4	9344.8	9053.4	9098.9	9275.0	9844.1	10329.8	7426.4
40°	11557.7	11598.7	11484.8	11205.6	10603.0	10220.5	10275.2	10338.9	10889.9	11440.8	8076.0
42.5°	11985.7	12043.4	12091.9	12234.6	11917.4	11597.1	11504.6	11509.1	11953.8	12573.1	8751.4
45°	12011.5	12067.6	12316.6	12867.5	13108.8	13042.0	12873.6	12759.7	12765.8	13327.4	9173.3
47.5°	11176.7	11281.4	11747.4	12826.5	13734.1	14288.1	14203.1	13933.0	13107.3	13377.5	9127.8
50°	9199.1	9302.3	10149.2	11701.9	13278.8	14785.9	15136.5	14773.8	12884.2	12753.7	8658.8
52.5°	6681.1	6691.8	7241.2	9054.9	11433.2	13867.7	14693.4	14658.4	12544.2	11997.8	8018.3
55°	3173.6	3135.7	3753.4	5110.3	7907.5	11216.2	12608.0	13002.6	12061.6	11451.4	7522.0
57.5°	924.3	942.5	1217.2	1994.3	3955.3	7168.3	8634.5	9369.1	9900.3	9414.6	5834.2
60°	414.3	415.9	462.9	607.1	1317.4	3334.5	4463.7	5372.8	5919.2	5485.2	2894.4
62.5°	300.5	302.0	320.2	343.0	447.7	1129.2	1674.1	2231.1	2272.1	1487.4	733.1
65°	250.4	250.4	253.5	253.5	268.6	403.7	508.4	655.7	552.5	409.8	286.9
67.5°	201.9	203.4	206.4	206.4	201.9	201.9	218.6	239.8	256.5	317.2	264.1
70°	157.8	156.3	156.3	157.8	153.3	130.5	141.2	160.9	176.1	247.4	229.2
72.5°	122.9	124.5	122.9	116.9	106.2	77.4	83.5	104.7	112.3	154.8	154.8
75°	92.6	94.1	88.0	66.8	44.0	24.3	31.9	51.6	65.3	75.9	56.2
77.5°	12.1	12.1	9.1	9.1	7.6	9.1	9.1	12.1	18.2	18.2	13.7
80°	1.5	1.5	1.5	3.0	4.6	6.1	6.1	6.1	6.1	7.6	7.6
82.5°	1.5	1.5	1.5	1.5	4.6	4.6	6.1	6.1	6.1	6.1	6.1
85°	0.0	0.0	0.0	1.5	3.0	4.6	4.6	6.1	6.1	6.1	6.1
87.5°	0.0	0.0	0.0	1.5	3.0	4.6	4.6	4.6	6.1	6.1	6.1
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°	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0	4831.0
2.5°	4838.6	4750.6	4644.3	4571.5	4468.3	4400.0	4302.8	4237.6	4181.4	4137.4	4161.7
5°	4840.1	4700.5	4483.4	4298.3	4096.4	3911.2	3712.4	3556.1	3414.9	3351.2	3386.1
7.5°	4870.5	4670.1	4337.7	4008.4	3621.4	3238.9	2880.7	2589.3	2445.1	2376.8	2398.0
10°	4929.7	4656.5	4175.3	3628.9	3000.6	2478.5	2130.9	1933.6	1853.2	1810.7	1818.3
12.5°	4984.3	4647.4	3964.4	3129.6	2367.7	1923.0	1742.4	1715.1	1731.8	1733.3	1731.8
15°	5058.7	4630.7	3703.3	2616.6	1894.2	1661.9	1666.5	1706.0	1745.4	1757.6	1754.5
17.5°	5137.6	4604.9	3366.4	2124.9	1607.3	1586.1	1639.2	1692.3	1731.8	1737.8	1739.3
20°	5219.5	4551.7	2982.4	1734.8	1473.7	1528.4	1587.6	1627.0	1655.9	1665.0	1668.0
22.5°	5257.5	4439.4	2539.2	1455.5	1384.2	1457.0	1501.1	1552.7	1561.8	1528.4	1534.4
25°	5237.8	4249.7	2106.6	1267.3	1294.6	1367.5	1432.8	1407.0	1369.0	1344.7	1352.3
27.5°	5175.5	3997.8	1683.2	1129.2	1199.0	1291.6	1299.2	1270.4	1264.3	1244.6	1250.6
30°	5108.8	3707.9	1353.8	1018.4	1101.9	1199.0	1176.3	1186.9	1188.4	1165.6	1173.2
32.5°	5067.8	3404.3	1077.6	944.0	1039.7	1057.9	1103.4	1124.7	1126.2	1073.1	1082.2
35°	5081.4	3105.3	912.2	883.3	982.0	977.4	1041.2	1053.3	965.3	892.4	900.0
37.5°	5192.2	2829.1	818.1	836.3	881.8	916.7	965.3	884.8	865.1	831.7	836.3
40°	5398.6	2593.8	761.9	807.4	813.5	869.7	795.3	805.9	807.4	786.2	790.7
42.5°	5640.0	2398.0	728.5	790.7	775.6	784.7	710.3	731.6	754.3	745.2	746.7
45°	5761.4	2206.8	699.7	733.1	737.6	651.1	634.4	657.2	686.0	690.6	692.1
47.5°	5653.6	2024.7	669.3	649.6	680.0	593.4	573.7	581.3	614.7	632.9	635.9
50°	5324.3	1815.2	623.8	575.2	558.5	532.7	514.5	516.0	554.0	585.9	591.9
52.5°	4861.4	1596.7	549.4	487.2	449.3	469.0	473.5	464.4	499.3	531.2	537.3
55°	4412.1	1323.5	435.6	396.1	361.2	403.7	415.9	403.7	414.3	435.6	437.1
57.5°	3106.8	748.3	333.9	327.8	299.0	346.0	365.8	347.6	329.4	343.0	346.0
60°	1440.3	391.6	256.5	256.5	248.9	297.5	330.9	305.1	270.2	276.2	280.8
62.5°	450.8	247.4	188.2	177.6	203.4	253.5	280.8	255.0	214.0	214.0	220.1
65°	255.0	212.5	148.7	136.6	165.4	203.4	220.1	192.8	156.3	153.3	153.3
67.5°	236.8	201.9	132.0	110.8	116.9	130.5	136.6	118.4	107.8	106.2	107.8
70°	195.8	168.5	106.2	75.9	71.3	69.8	72.9	68.3	65.3	66.8	71.3
72.5°	121.4	101.7	66.8	45.5	39.5	37.9	37.9	37.9	36.4	36.4	36.4
75°	44.0	37.9	30.4	22.8	19.7	18.2	18.2	19.7	18.2	16.7	15.2
77.5°	13.7	12.1	12.1	12.1	10.6	9.1	7.6	7.6	6.1	4.6	4.6
80°	7.6	7.6	7.6	7.6	6.1	6.1	4.6	3.0	1.5	1.5	0.0
82.5°	7.6	7.6	7.6	6.1	6.1	6.1	4.6	3.0	1.5	0.0	0.0
85°	6.1	6.1	6.1	6.1	6.1	6.1	4.6	3.0	1.5	0.0	0.0
87.5°	6.1	6.1	6.1	6.1	6.1	6.1	4.6	3.0	1.5	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)