

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: P641982

Luminaire Tested: GWS-SA6C-722-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641982
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-SA6C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15752.3 lumens
Efficiency: N/A
Efficacy: 83.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

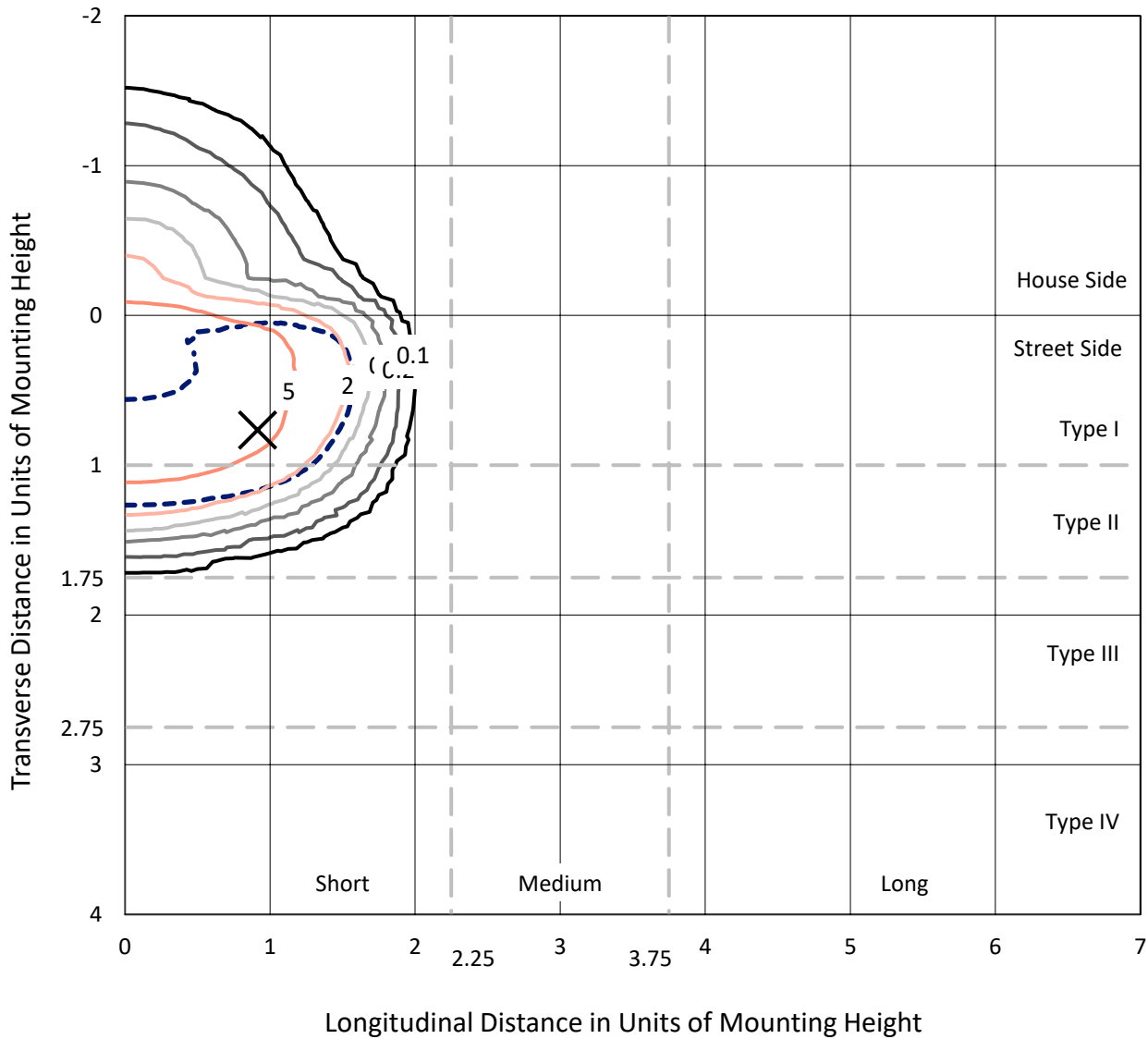
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

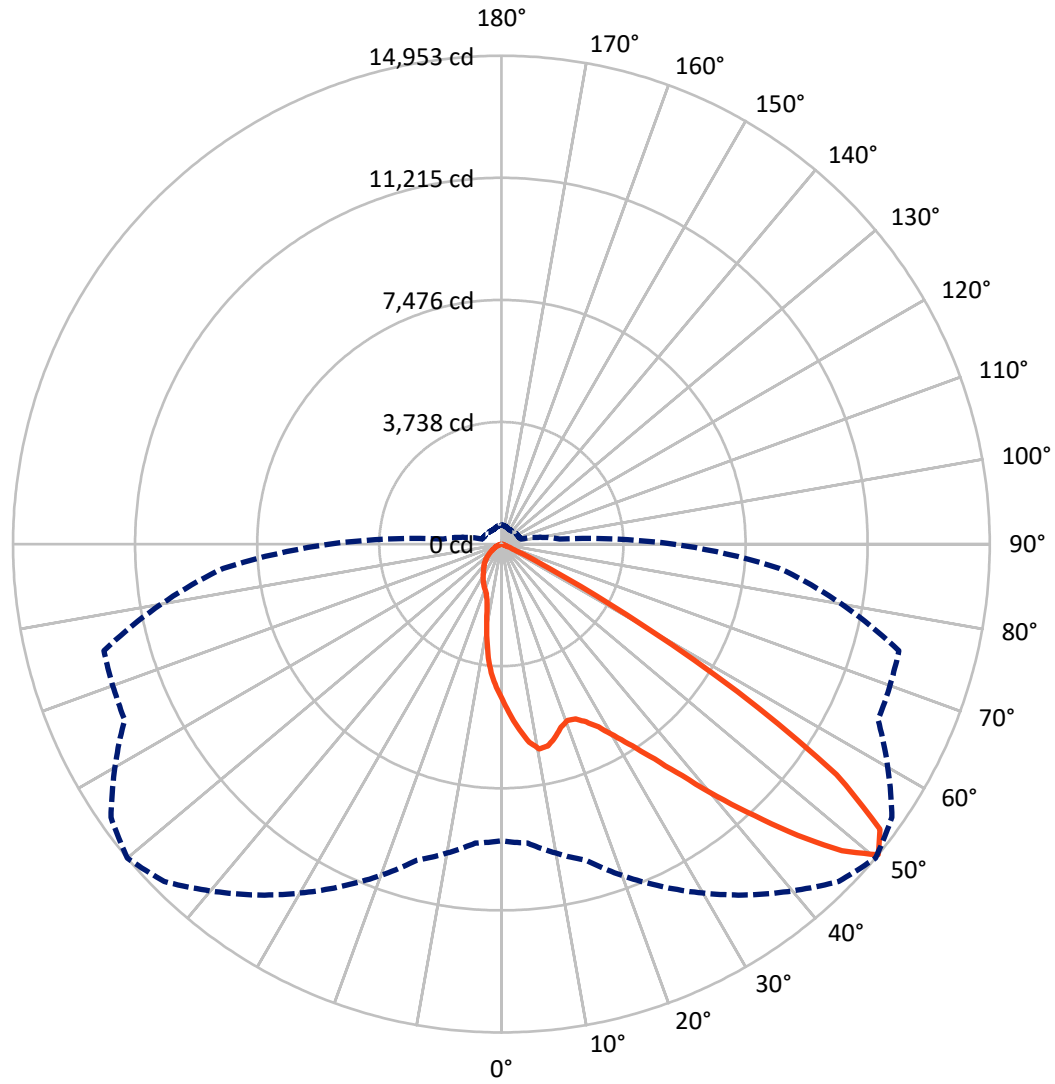
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 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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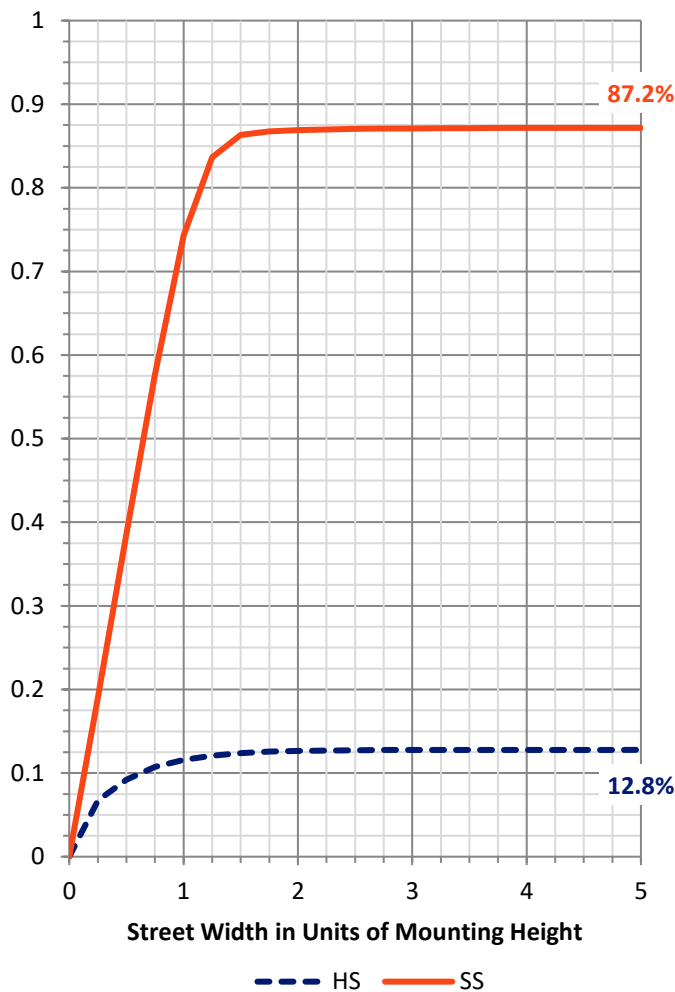
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2023.9	0.0	2023.9
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	13728.4	0.0	13728.4
	% Fixture	87.2	0.0	87.2
Total	Lumens	15752.3	0.0	15752.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	442.7	2.8
10°-20°	1142.2	7.3
20°-30°	1885.1	12.0
30°-40°	3110.7	19.7
40°-50°	4921.9	31.2
50°-60°	3726.5	23.7
60°-70°	466.4	3.0
70°-80°	52.8	0.3
80°-90°	4.0	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°	15752.3	100.0
0°-180°	15752.3	100.0

Coefficient of Utilization



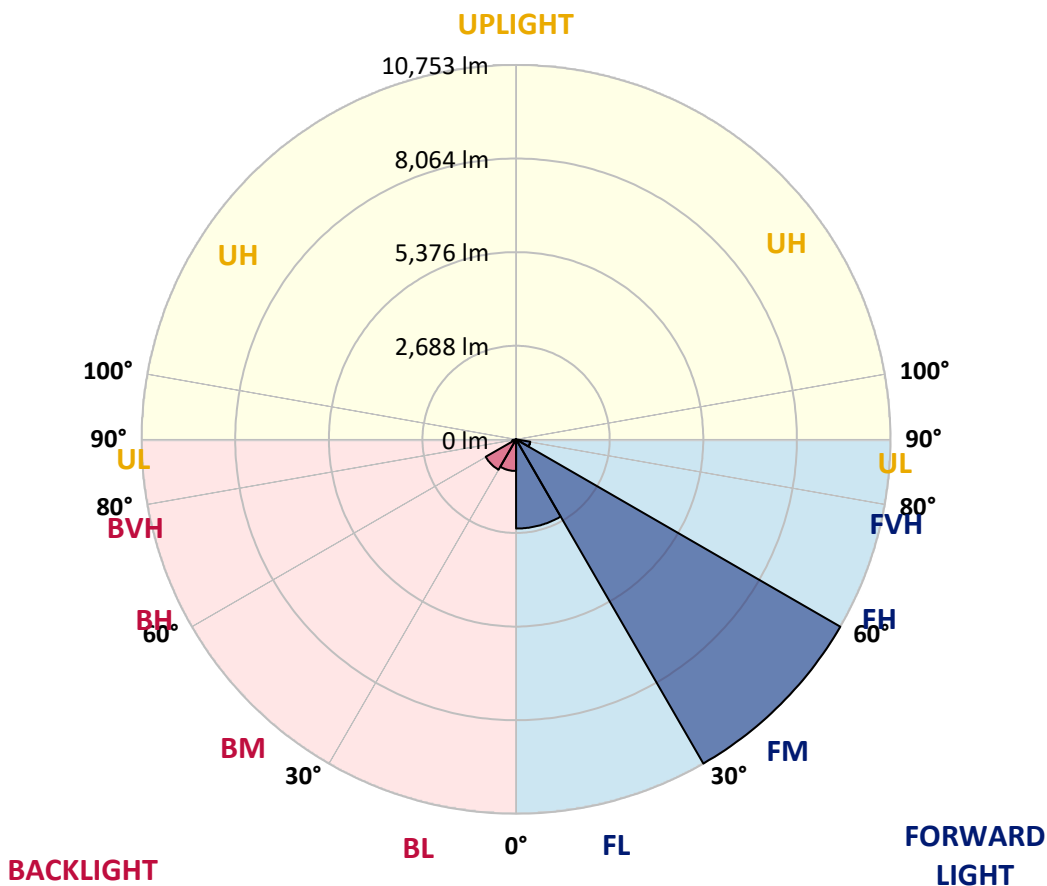
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2561.6	16.3			
FM (30°-60°)	10752.6	68.3			
FH (60°-80°)	412.3	2.6			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	908.4	5.8	B2/1000		
BM (30°-60°)	1006.5	6.4	B2/2500		
BH (60°-80°)	106.8	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°	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3
2.5°	5438.0	5481.5	5469.5	5412.5	5351.1	5307.6	5240.1	5219.1	5066.2	4959.7	4847.3
5°	6094.7	6108.2	6093.2	6024.2	5916.3	5812.8	5701.9	5637.4	5381.0	5150.1	4914.8
7.5°	6252.1	6235.7	6264.1	6298.6	6283.6	6238.7	6121.7	6051.2	5745.4	5369.0	5012.2
10°	5760.4	5722.9	5829.3	6007.8	6195.2	6406.6	6376.6	6382.6	6100.7	5644.9	5139.7
12.5°	5108.2	5093.2	5172.6	5379.5	5746.9	6226.7	6342.1	6535.5	6426.1	5943.3	5285.1
15°	4821.8	4829.3	4877.3	5007.7	5271.6	5868.3	6145.7	6495.0	6716.9	6232.7	5445.5
17.5°	4865.3	4892.3	4890.8	4934.2	5094.7	5573.0	5896.8	6367.6	6941.8	6565.5	5629.9
20°	5160.6	5187.6	5147.1	5114.2	5168.1	5498.0	5766.4	6238.7	7093.3	6901.3	5824.8
22.5°	5602.9	5634.4	5538.5	5444.0	5409.5	5620.9	5815.8	6186.2	7208.7	7208.7	5998.8
25°	6138.2	6181.7	6033.2	5865.3	5769.4	5880.3	6027.2	6304.6	7327.2	7484.6	6117.2
27.5°	6736.4	6737.9	6610.5	6421.6	6241.6	6255.1	6343.6	6571.5	7457.6	7781.4	6210.2
30°	7409.6	7414.1	7244.7	7018.3	6791.9	6730.4	6805.4	6977.8	7729.0	8154.8	6339.1
32.5°	8279.2	8300.2	8057.3	7724.5	7430.6	7315.2	7358.6	7540.1	8160.8	8622.6	6532.5
35°	9454.7	9477.2	9118.8	8679.5	8211.7	8037.8	8081.3	8264.2	8786.0	9286.8	6841.4
37.5°	10615.2	10645.1	10282.3	9873.0	9231.3	8943.4	8988.4	9162.3	9724.6	10204.3	7336.1
40°	11417.3	11457.8	11345.3	11069.4	10474.2	10096.4	10150.4	10213.3	10757.6	11301.8	7977.9
42.5°	11840.1	11897.1	11945.0	12086.0	11772.6	11456.3	11364.8	11369.3	11808.6	12420.3	8645.1
45°	11865.6	11921.1	12166.9	12711.2	12949.6	12883.6	12717.2	12604.7	12610.7	13165.5	9061.9
47.5°	11041.0	11144.4	11604.7	12670.7	13567.3	14114.6	14030.6	13763.7	12948.1	13215.0	9016.9
50°	9087.4	9189.3	10025.9	11559.7	13117.5	14606.3	14952.7	14594.3	12727.7	12598.7	8553.6
52.5°	6600.0	6610.5	7153.2	8944.9	11294.3	13699.2	14514.9	14480.4	12391.8	11852.1	7920.9
55°	3135.1	3097.6	3707.8	5048.2	7811.4	11079.9	12454.8	12844.6	11915.1	11312.3	7430.6
57.5°	913.1	931.1	1202.5	1970.1	3907.2	7081.3	8529.6	9255.3	9780.0	9300.3	5763.4
60°	409.3	410.8	457.3	599.7	1301.4	3294.0	4409.5	5307.6	5847.3	5418.5	2859.2
62.5°	296.9	298.4	316.4	338.8	442.3	1115.5	1653.7	2204.0	2244.5	1469.3	724.2
65°	247.4	247.4	250.4	250.4	265.4	398.8	502.3	647.7	545.8	404.8	283.4
67.5°	199.4	200.9	203.9	203.9	199.4	199.4	215.9	236.9	253.4	313.4	260.9
70°	155.9	154.4	154.4	155.9	151.4	128.9	139.4	158.9	173.9	244.4	226.4
72.5°	121.4	122.9	121.4	115.4	105.0	76.5	82.5	103.5	110.9	152.9	152.9
75°	91.5	93.0	87.0	66.0	43.5	24.0	31.5	51.0	64.5	75.0	55.5
77.5°	12.0	12.0	9.0	9.0	7.5	9.0	9.0	12.0	18.0	18.0	13.5
80°	1.5	1.5	1.5	3.0	4.5	6.0	6.0	6.0	6.0	7.5	7.5
82.5°	1.5	1.5	1.5	1.5	4.5	4.5	6.0	6.0	6.0	6.0	6.0
85°	0.0	0.0	0.0	1.5	3.0	4.5	4.5	6.0	6.0	6.0	6.0
87.5°	0.0	0.0	0.0	1.5	3.0	4.5	4.5	4.5	6.0	6.0	6.0
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°	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3	4772.3
2.5°	4779.8	4692.9	4587.9	4515.9	4414.0	4346.5	4250.6	4186.1	4130.6	4087.1	4111.1
5°	4781.3	4643.4	4429.0	4246.1	4046.7	3863.7	3667.3	3512.9	3373.5	3310.5	3345.0
7.5°	4811.3	4613.4	4285.0	3959.7	3577.4	3199.5	2845.7	2557.8	2415.4	2347.9	2368.9
10°	4869.8	4599.9	4124.6	3584.9	2964.1	2448.4	2105.0	1910.1	1830.7	1788.7	1796.2
12.5°	4923.8	4590.9	3916.2	3091.6	2338.9	1899.6	1721.2	1694.2	1710.7	1712.2	1710.7
15°	4997.2	4574.4	3658.3	2584.8	1871.1	1641.8	1646.2	1685.2	1724.2	1736.2	1733.2
17.5°	5075.2	4548.9	3325.5	2099.0	1587.8	1566.8	1619.3	1671.7	1710.7	1716.7	1718.2
20°	5156.1	4496.4	2946.2	1713.7	1455.8	1509.8	1568.3	1607.3	1635.8	1644.7	1647.7
22.5°	5193.6	4385.5	2508.4	1437.8	1367.4	1439.3	1482.8	1533.8	1542.8	1509.8	1515.8
25°	5174.1	4198.1	2081.0	1251.9	1278.9	1350.9	1415.4	1389.9	1352.4	1328.4	1335.9
27.5°	5112.7	3949.2	1662.7	1115.5	1184.5	1275.9	1283.4	1254.9	1248.9	1229.4	1235.4
30°	5046.7	3662.8	1337.4	1006.0	1088.5	1184.5	1162.0	1172.5	1174.0	1151.5	1159.0
32.5°	5006.2	3363.0	1064.5	932.6	1027.0	1045.0	1090.0	1111.0	1112.5	1060.0	1069.0
35°	5019.7	3067.6	901.1	872.6	970.1	965.6	1028.5	1040.5	953.6	881.6	889.1
37.5°	5129.2	2794.7	808.1	826.1	871.1	905.6	953.6	874.1	854.6	821.6	826.1
40°	5333.1	2562.3	752.7	797.6	803.6	859.1	785.6	796.1	797.6	776.6	781.1
42.5°	5571.5	2368.9	719.7	781.1	766.2	775.1	701.7	722.7	745.2	736.2	737.7
45°	5691.4	2180.0	691.2	724.2	728.7	643.2	626.7	649.2	677.7	682.2	683.7
47.5°	5584.9	2000.1	661.2	641.7	671.7	586.2	566.7	574.2	607.2	625.2	628.2
50°	5259.6	1793.2	616.2	568.2	551.7	526.3	508.3	509.8	547.3	578.7	584.7
52.5°	4802.3	1577.3	542.8	481.3	443.8	463.3	467.8	458.8	493.3	524.8	530.8
55°	4358.5	1307.4	430.3	391.3	356.8	398.8	410.8	398.8	409.3	430.3	431.8
57.5°	3069.1	739.2	329.8	323.9	295.4	341.8	361.3	343.3	325.4	338.8	341.8
60°	1422.9	386.8	253.4	253.4	245.9	293.9	326.9	301.4	266.9	272.9	277.4
62.5°	445.3	244.4	185.9	175.4	200.9	250.4	277.4	251.9	211.4	211.4	217.4
65°	251.9	209.9	146.9	134.9	163.4	200.9	217.4	190.4	154.4	151.4	151.4
67.5°	233.9	199.4	130.4	109.5	115.4	128.9	134.9	116.9	106.5	105.0	106.5
70°	193.4	166.4	105.0	75.0	70.5	69.0	72.0	67.5	64.5	66.0	70.5
72.5°	119.9	100.5	66.0	45.0	39.0	37.5	37.5	37.5	36.0	36.0	36.0
75°	43.5	37.5	30.0	22.5	19.5	18.0	18.0	19.5	18.0	16.5	15.0
77.5°	13.5	12.0	12.0	12.0	10.5	9.0	7.5	7.5	6.0	4.5	4.5
80°	7.5	7.5	7.5	7.5	6.0	6.0	4.5	3.0	1.5	1.5	0.0
82.5°	7.5	7.5	7.5	6.0	6.0	6.0	4.5	3.0	1.5	0.0	0.0
85°	6.0	6.0	6.0	6.0	6.0	6.0	4.5	3.0	1.5	0.0	0.0
87.5°	6.0	6.0	6.0	6.0	6.0	6.0	4.5	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)