

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: P636207

Luminaire Tested: GWS-SA3F-735-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636207
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-SA3F-735-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18162.5 lumens
Efficiency: N/A
Efficacy: 99.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

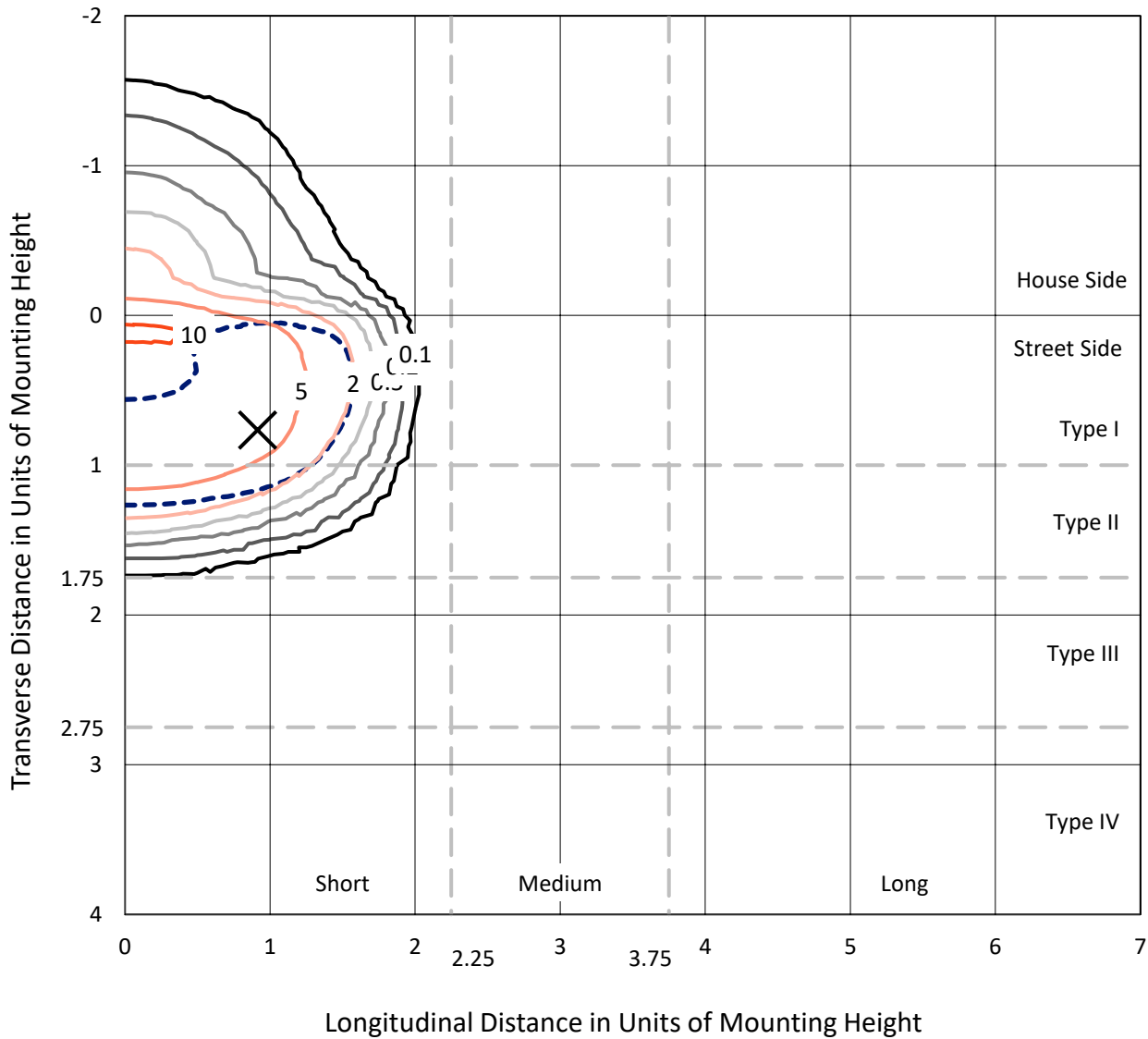
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636207
 CATALOG NUMBER: GWS-SA3F-735-U-AFL-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

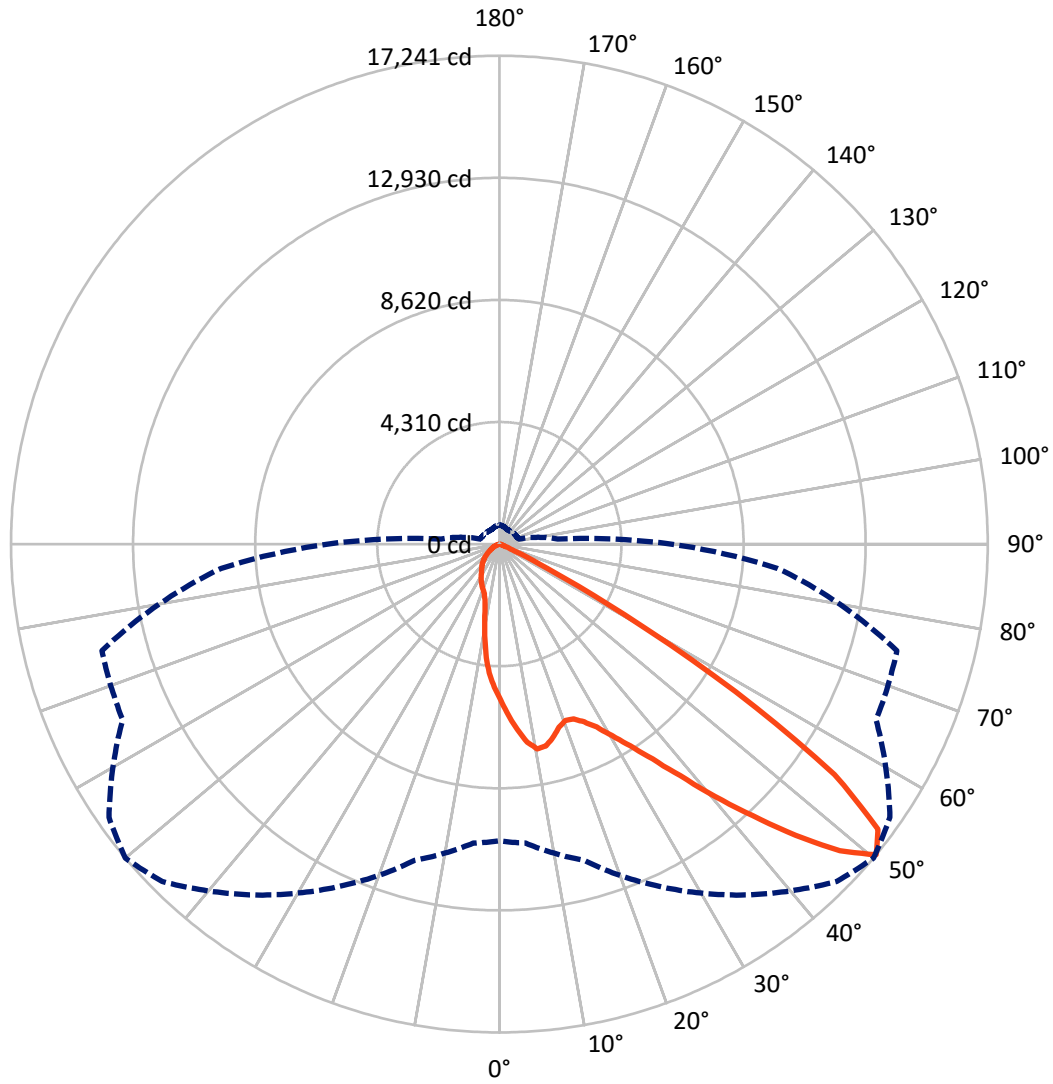
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

REPORT NUMBER: P636207
CATALOG NUMBER: GWS-SA3F-735-U-AFL-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636207
 CATALOG NUMBER: GWS-SA3F-735-U-AFL-W-GRSBK

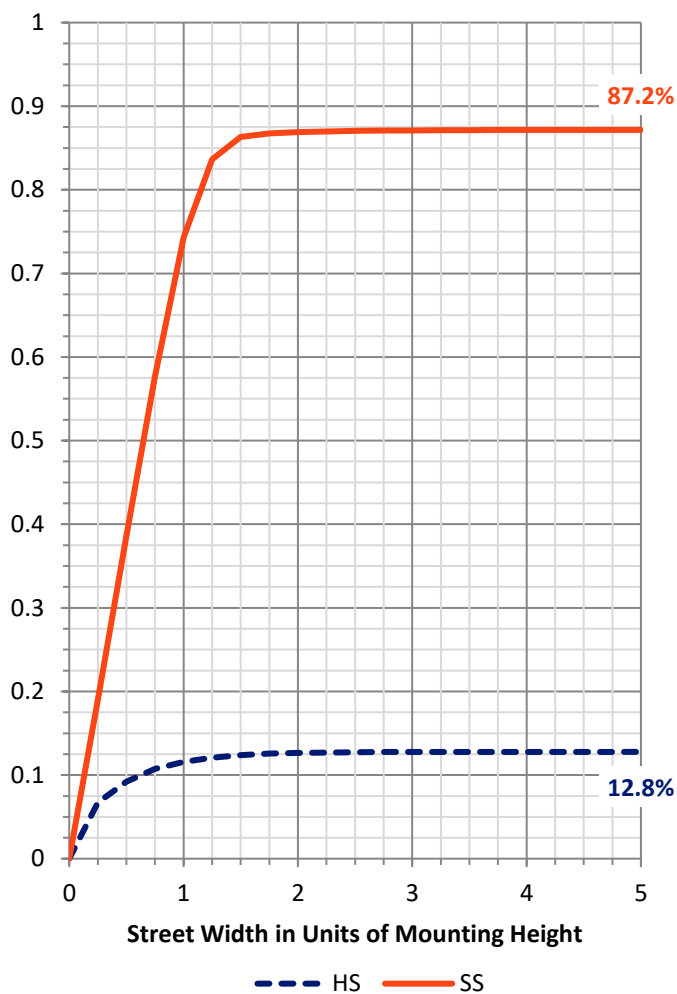
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2333.6	0.0	2333.6
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	15828.9	0.0	15828.9
	% Fixture	87.2	0.0	87.2
Total	Lumens	18162.5	0.0	18162.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.4	2.8
10°-20°	1317.0	7.3
20°-30°	2173.5	12.0
30°-40°	3586.7	19.7
40°-50°	5675.0	31.2
50°-60°	4296.6	23.7
60°-70°	537.7	3.0
70°-80°	60.8	0.3
80°-90°	4.6	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°	18162.5	100.0
0°-180°	18162.5	100.0

Coefficient of Utilization



REPORT NUMBER: P636207

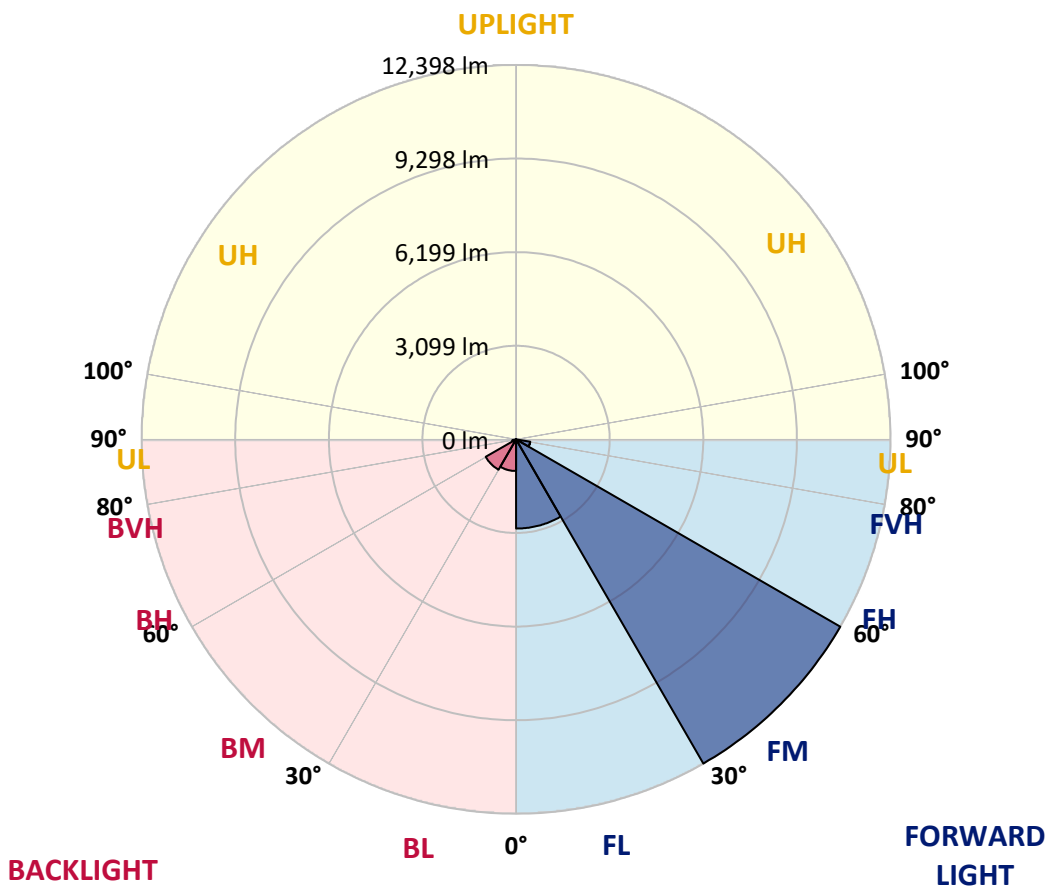
CATALOG NUMBER: GWS-SA3F-735-U-AFL-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2953.5	16.3			
FM (30°-60°)	12397.8	68.3			
FH (60°-80°)	475.4	2.6			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	1047.4	5.8	B3/2500		
BM (30°-60°)	1160.6	6.4	B2/2500		
BH (60°-80°)	123.1	0.7	B1/500		G1/500
BVH (80°-90°)	2.5	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-G1

Type II Short





REPORT NUMBER: P636207

CATALOG NUMBER: GWS-SA3F-735-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5
2.5°	6270.1	6320.2	6306.4	6240.7	6169.8	6119.7	6041.9	6017.7	5841.3	5718.6	5589.0
5°	7027.2	7042.8	7025.5	6946.0	6821.5	6702.2	6574.3	6500.0	6204.4	5938.2	5666.7
7.5°	7208.8	7189.7	7222.6	7262.4	7245.1	7193.2	7058.4	6977.1	6624.5	6190.5	5779.1
10°	6641.7	6598.5	6721.3	6927.0	7143.1	7386.8	7352.2	7359.2	7034.2	6508.6	5926.1
12.5°	5889.7	5872.5	5964.1	6202.6	6626.2	7179.4	7312.5	7535.5	7409.3	6852.6	6093.7
15°	5559.6	5568.2	5623.5	5773.9	6078.2	6766.2	7086.0	7488.8	7744.7	7186.3	6278.7
17.5°	5609.7	5640.8	5639.1	5689.2	5874.2	6425.7	6799.1	7341.9	8004.0	7570.1	6491.3
20°	5950.3	5981.4	5934.7	5896.7	5958.9	6339.2	6648.7	7193.2	8178.6	7957.3	6716.1
22.5°	6460.2	6496.5	6385.9	6277.0	6237.2	6481.0	6705.7	7132.7	8311.7	8311.7	6916.6
25°	7077.4	7127.5	6956.4	6762.8	6652.1	6780.0	6949.5	7269.3	8448.3	8629.8	7053.2
27.5°	7767.1	7768.9	7621.9	7404.1	7196.7	7212.2	7314.2	7577.0	8598.7	8972.1	7160.4
30°	8543.3	8548.5	8353.2	8092.1	7831.1	7760.2	7846.7	8045.5	8911.6	9402.5	7309.0
32.5°	9546.0	9570.2	9290.1	8906.4	8567.5	8434.4	8484.6	8693.7	9409.4	9941.9	7532.0
35°	10901.3	10927.2	10514.1	10007.6	9468.2	9267.7	9317.8	9528.7	10130.3	10707.7	7888.1
37.5°	12239.3	12273.9	11855.6	11383.6	10643.7	10311.8	10363.7	10564.2	11212.5	11765.7	8458.6
40°	13164.2	13210.9	13081.2	12763.1	12076.8	11641.2	11703.4	11776.0	12403.6	13031.1	9198.5
42.5°	13651.7	13717.4	13772.7	13935.2	13573.9	13209.1	13103.7	13108.9	13615.4	14320.7	9967.8
45°	13681.1	13745.1	14028.6	14656.1	14931.0	14854.9	14663.0	14533.3	14540.3	15179.9	10448.4
47.5°	12730.3	12849.6	13380.3	14609.4	15643.2	16274.2	16177.4	15869.6	14929.2	15236.9	10396.5
50°	10477.8	10595.3	11559.9	13328.4	15124.6	16841.2	17240.5	16827.4	14675.1	14526.4	9862.3
52.5°	7609.8	7621.9	8247.7	10313.5	13022.4	15795.3	16735.7	16696.0	14287.9	13665.5	9132.8
55°	3614.8	3571.5	4275.1	5820.6	9006.6	12775.2	14360.5	14809.9	13738.1	13043.2	8567.5
57.5°	1052.8	1073.5	1386.4	2271.5	4505.0	8164.7	9834.7	10671.4	11276.4	10723.2	6645.2
60°	471.9	473.7	527.3	691.5	1500.5	3798.0	5084.2	6119.7	6742.0	6247.6	3296.7
62.5°	342.3	344.0	364.8	390.7	510.0	1286.2	1906.8	2541.2	2587.9	1694.1	835.0
65°	285.2	285.2	288.7	288.7	306.0	459.8	579.1	746.8	629.3	466.8	326.7
67.5°	229.9	231.6	235.1	235.1	229.9	229.9	248.9	273.1	292.2	361.3	300.8
70°	179.8	178.1	178.1	179.8	174.6	148.7	160.8	183.2	200.5	281.8	261.0
72.5°	140.0	141.8	140.0	133.1	121.0	88.2	95.1	119.3	127.9	176.3	176.3
75°	105.5	107.2	100.3	76.1	50.1	27.7	36.3	58.8	74.3	86.4	64.0
77.5°	13.8	13.8	10.4	10.4	8.6	10.4	10.4	13.8	20.7	20.7	15.6
80°	1.7	1.7	1.7	3.5	5.2	6.9	6.9	6.9	6.9	8.6	8.6
82.5°	1.7	1.7	1.7	1.7	5.2	5.2	6.9	6.9	6.9	6.9	6.9
85°	0.0	0.0	0.0	1.7	3.5	5.2	5.2	6.9	6.9	6.9	6.9
87.5°	0.0	0.0	0.0	1.7	3.5	5.2	5.2	5.2	6.9	6.9	6.9
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: P636207

CATALOG NUMBER: GWS-SA3F-735-U-AFL-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5	5502.5
2.5°	5511.2	5410.9	5289.9	5206.9	5089.4	5011.6	4900.9	4826.6	4762.6	4712.5	4740.1
5°	5512.9	5353.8	5106.6	4895.7	4665.8	4454.9	4228.4	4050.4	3889.6	3817.0	3856.8
7.5°	5547.5	5319.3	4940.7	4565.5	4124.7	3689.1	3281.1	2949.2	2785.0	2707.2	2731.4
10°	5614.9	5303.7	4755.7	4133.4	3417.7	2823.0	2427.1	2202.4	2110.8	2062.4	2071.0
12.5°	5677.1	5293.3	4515.4	3564.6	2696.8	2190.3	1984.6	1953.5	1972.5	1974.2	1972.5
15°	5761.8	5274.3	4218.1	2980.3	2157.4	1892.9	1898.1	1943.1	1988.0	2001.9	1998.4
17.5°	5851.7	5244.9	3834.3	2420.2	1830.7	1806.5	1867.0	1927.5	1972.5	1979.4	1981.1
20°	5945.1	5184.4	3396.9	1975.9	1678.6	1740.8	1808.2	1853.2	1886.0	1896.4	1899.9
22.5°	5988.3	5056.5	2892.1	1657.8	1576.6	1659.6	1709.7	1768.5	1778.9	1740.8	1747.7
25°	5965.8	4840.4	2399.5	1443.5	1474.6	1557.6	1631.9	1602.5	1559.3	1531.6	1540.3
27.5°	5894.9	4553.4	1917.2	1286.2	1365.7	1471.1	1479.8	1446.9	1440.0	1417.6	1424.5
30°	5818.9	4223.3	1542.0	1160.0	1255.1	1365.7	1339.8	1351.9	1353.6	1327.7	1336.3
32.5°	5772.2	3877.5	1227.4	1075.3	1184.2	1204.9	1256.8	1281.0	1282.7	1222.2	1232.6
35°	5787.8	3537.0	1039.0	1006.1	1118.5	1113.3	1185.9	1199.7	1099.5	1016.5	1025.1
37.5°	5914.0	3222.3	931.8	952.5	1004.4	1044.1	1099.5	1007.8	985.4	947.3	952.5
40°	6149.1	2954.4	867.8	919.7	926.6	990.6	905.8	918.0	919.7	895.5	900.7
42.5°	6423.9	2731.4	829.8	900.7	883.4	893.7	809.0	833.2	859.2	848.8	850.5
45°	6562.2	2513.6	796.9	835.0	840.2	741.6	722.6	748.5	781.4	786.6	788.3
47.5°	6439.5	2306.1	762.4	739.9	774.5	675.9	653.5	662.1	700.1	720.9	724.3
50°	6064.3	2067.5	710.5	655.2	636.2	606.8	586.0	587.8	631.0	667.3	674.2
52.5°	5537.1	1818.6	625.8	554.9	511.7	534.2	539.4	529.0	568.7	605.1	612.0
55°	5025.4	1507.4	496.1	451.2	411.4	459.8	473.7	459.8	471.9	496.1	497.9
57.5°	3538.7	852.3	380.3	373.4	340.6	394.1	416.6	395.9	375.1	390.7	394.1
60°	1640.6	446.0	292.2	292.2	283.5	338.8	376.9	347.5	307.7	314.6	319.8
62.5°	513.4	281.8	214.4	202.3	231.6	288.7	319.8	290.4	243.7	243.7	250.7
65°	290.4	242.0	169.4	155.6	188.4	231.6	250.7	219.5	178.1	174.6	174.6
67.5°	269.7	229.9	150.4	126.2	133.1	148.7	155.6	134.8	122.7	121.0	122.7
70°	223.0	191.9	121.0	86.4	81.2	79.5	83.0	77.8	74.3	76.1	81.2
72.5°	138.3	115.8	76.1	51.9	44.9	43.2	43.2	43.2	41.5	41.5	41.5
75°	50.1	43.2	34.6	25.9	22.5	20.7	20.7	22.5	20.7	19.0	17.3
77.5°	15.6	13.8	13.8	13.8	12.1	10.4	8.6	8.6	6.9	5.2	5.2
80°	8.6	8.6	8.6	8.6	6.9	6.9	5.2	3.5	1.7	1.7	0.0
82.5°	8.6	8.6	8.6	6.9	6.9	6.9	5.2	3.5	1.7	0.0	0.0
85°	6.9	6.9	6.9	6.9	6.9	6.9	5.2	3.5	1.7	0.0	0.0
87.5°	6.9	6.9	6.9	6.9	6.9	6.9	5.2	3.5	1.7	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)