

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: P642597

Luminaire Tested: GWS-SA6D-730-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642597
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32055 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

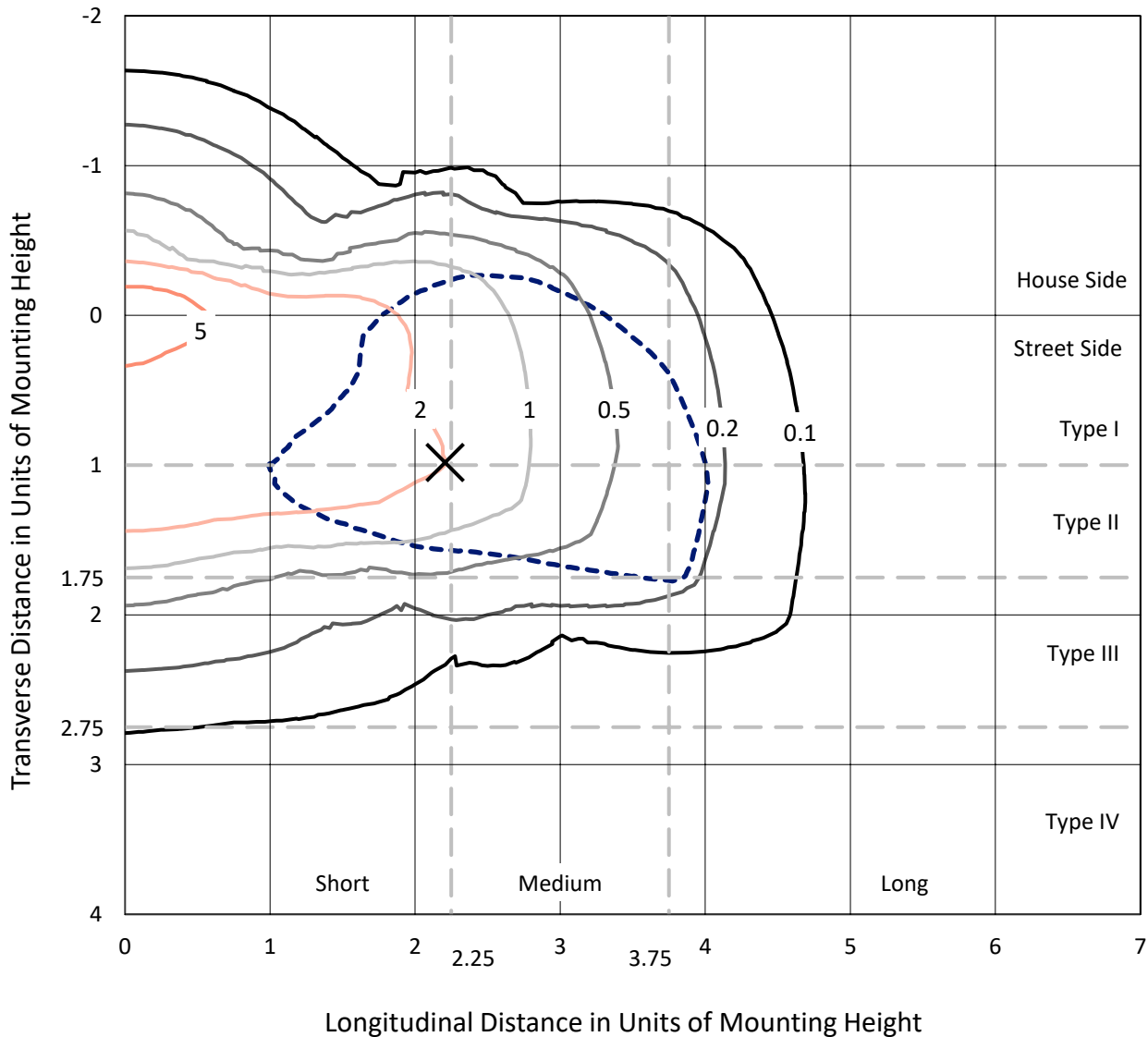
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642597
 CATALOG NUMBER: GWS-SA6D-730-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

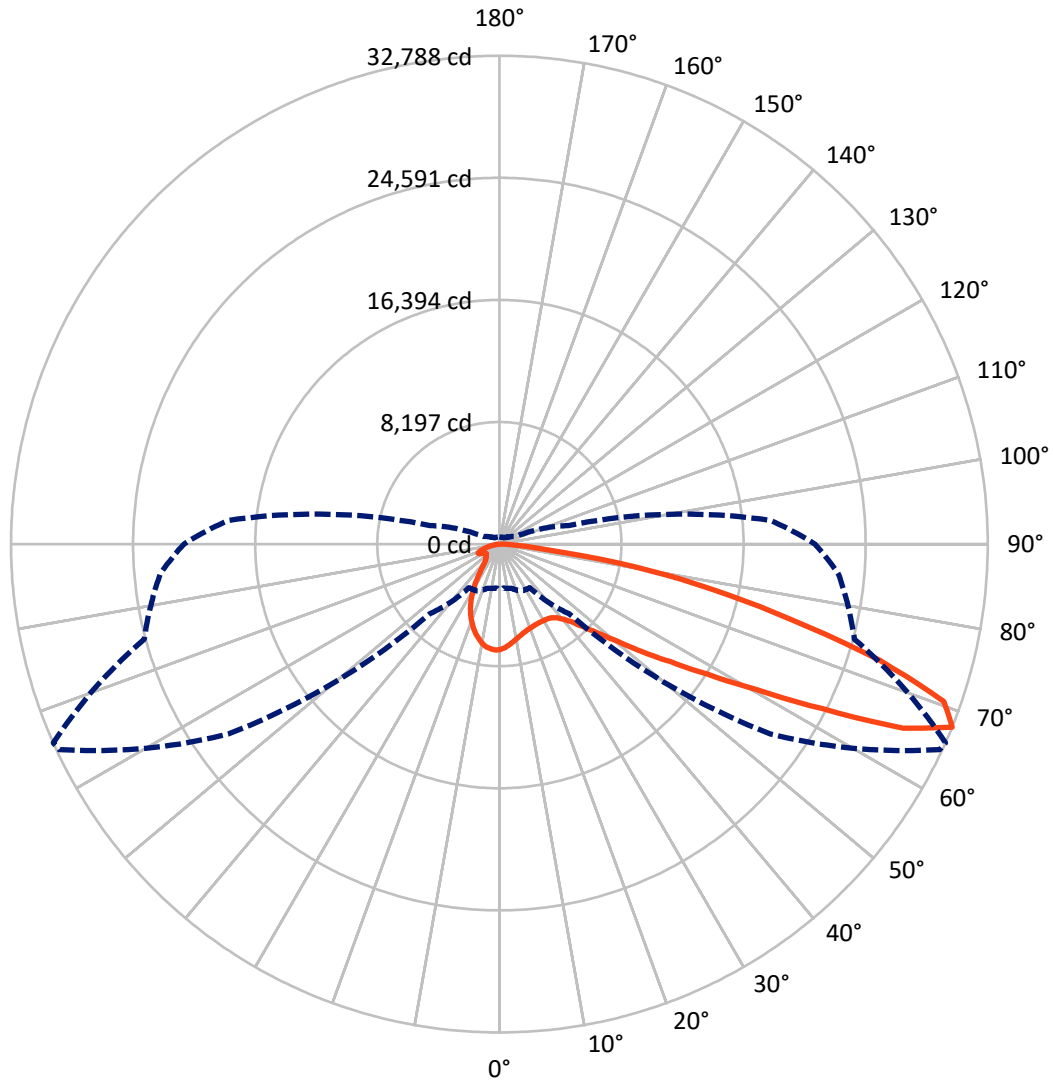
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

REPORT NUMBER: P642597
CATALOG NUMBER: GWS-SA6D-730-U-SL2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA6D-730-U-SL2-W

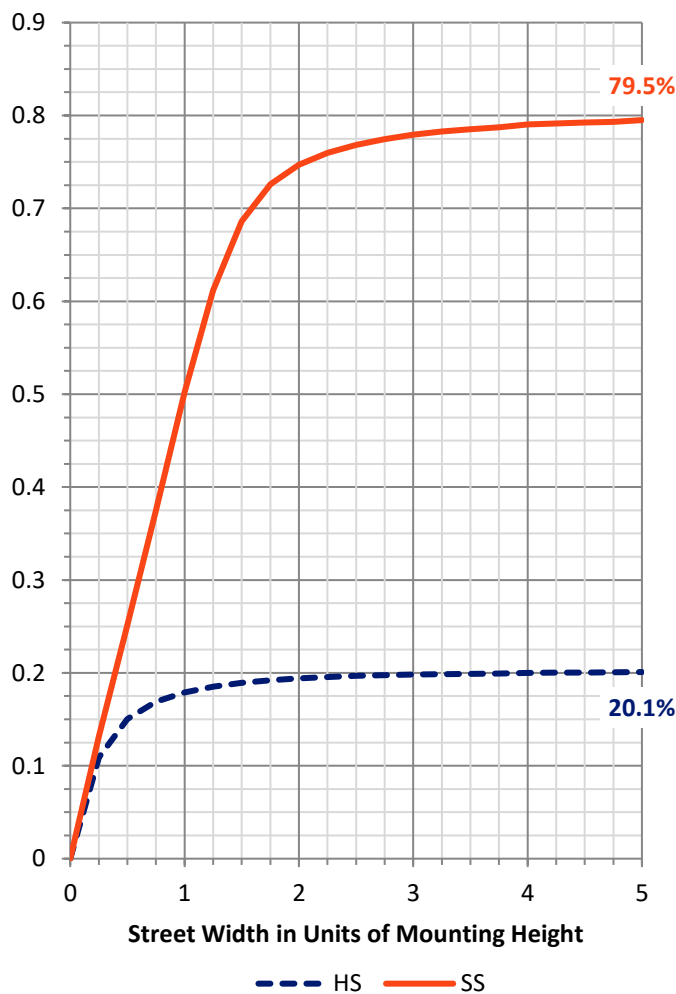
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6504.7	0.0	6504.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	25550.3	0.0	25550.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	32055.0	0.0	32055.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	621.6	1.9
10°-20°	1527.8	4.8
20°-30°	2100.0	6.6
30°-40°	2871.0	9.0
40°-50°	4350.3	13.6
50°-60°	6762.7	21.1
60°-70°	8233.4	25.7
70°-80°	5015.4	15.6
80°-90°	572.9	1.8
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°	32055.0	100.0
0°-180°	32055.0	100.0

Coefficient of Utilization



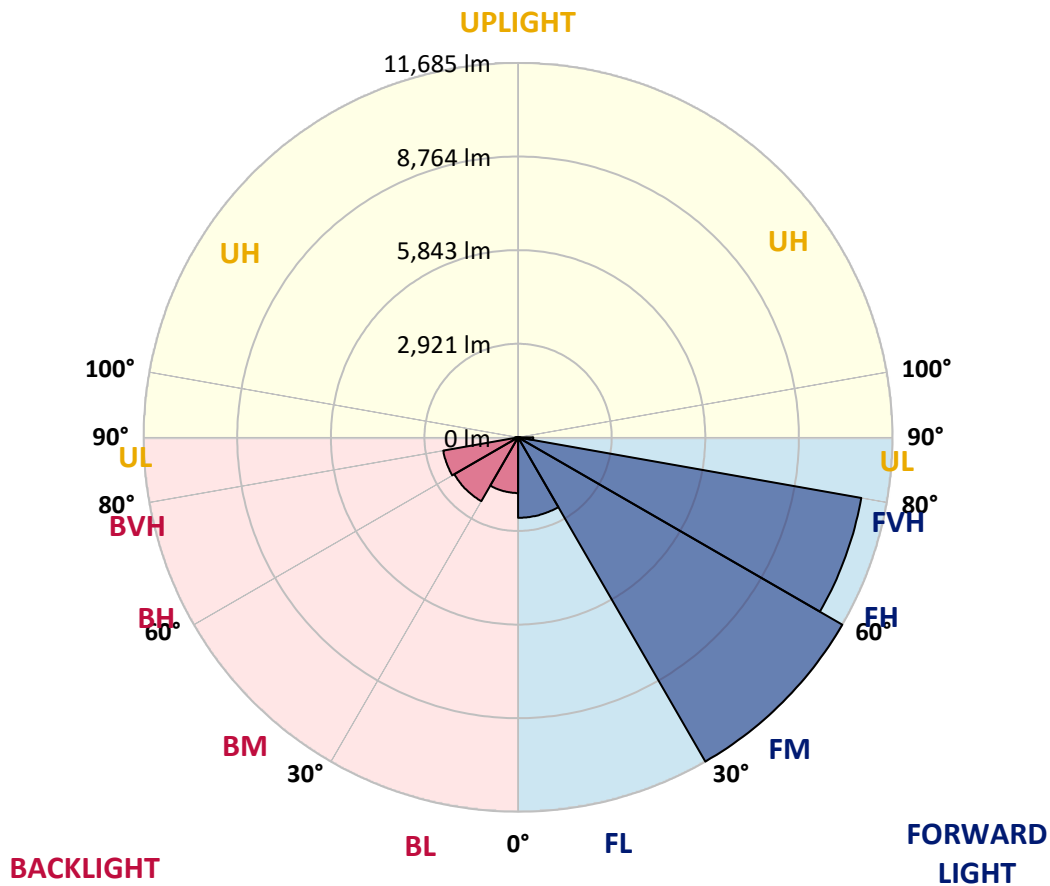
REPORT NUMBER: P642597

CATALOG NUMBER: GWS-SA6D-730-U-SL2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2511.7	7.8			
FM (30°-60°)	11685.3	36.5			
FH (60°-80°)	10877.1	33.9			G4/12000
FVH (80°-90°)	476.3	1.5			G3/500
BL (0°-30°)	1737.7	5.4	B3/2500		
BM (30°-60°)	2298.7	7.2	B2/2500		
BH (60°-80°)	2371.7	7.4	B3/2500		G3/2500
BVH (80°-90°)	96.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2
2.5°	6634.3	6657.6	6643.6	6732.5	6737.2	6849.4	6912.5	6966.3	6971.0	7041.2	7087.9
5°	6180.6	6194.6	6194.6	6278.8	6334.9	6484.6	6629.6	6783.9	6795.6	6964.0	7092.6
7.5°	5813.5	5827.5	5818.1	5930.4	6002.9	6168.9	6353.6	6589.8	6613.2	6884.5	7109.0
10°	5525.8	5521.1	5544.5	5647.4	5741.0	5939.7	6145.5	6414.4	6449.5	6793.3	7127.7
12.5°	5329.4	5334.1	5348.1	5455.7	5556.2	5752.7	5965.5	6257.8	6295.2	6688.0	7118.3
15°	5235.8	5226.5	5238.2	5336.4	5432.3	5605.3	5825.1	6126.8	6164.2	6594.5	7120.7
17.5°	5214.8	5207.8	5205.4	5275.6	5348.1	5509.5	5719.9	6026.3	6066.0	6533.7	7134.7
20°	5280.3	5270.9	5245.2	5275.6	5306.0	5441.6	5645.1	5953.8	5998.2	6493.9	7162.8
22.5°	5460.3	5444.0	5404.2	5366.8	5327.0	5408.9	5598.3	5900.0	5944.4	6468.2	7190.8
25°	5733.9	5719.9	5677.8	5593.6	5448.6	5434.6	5589.0	5876.6	5921.0	6449.5	7202.5
27.5°	6110.4	6089.4	6047.3	5925.7	5689.5	5530.5	5624.0	5874.3	5916.3	6428.5	7190.8
30°	6557.1	6543.1	6519.7	6372.3	6056.7	5733.9	5703.5	5893.0	5925.7	6416.8	7167.4
32.5°	7010.8	6996.7	7015.4	6945.3	6557.1	6070.7	5876.6	5944.4	5967.8	6414.4	7146.4
35°	7410.6	7427.0	7562.6	7574.3	7193.2	6526.7	6150.2	6063.7	6068.3	6461.2	7155.7
37.5°	7829.2	7892.4	8070.1	8222.1	7904.1	7130.0	6557.1	6288.2	6283.5	6580.5	7214.2
40°	8383.4	8411.5	8638.3	8923.6	8724.9	7957.8	7134.7	6655.3	6622.6	6823.7	7370.9
42.5°	8923.6	8991.4	9353.9	9681.3	9615.8	8890.9	7862.0	7204.8	7146.4	7254.0	7693.6
45°	9611.1	9676.6	10083.5	10504.4	10623.7	9945.5	8792.7	7985.9	7927.4	7901.7	8285.2
47.5°	10298.6	10366.5	10731.3	11339.3	11757.9	11264.4	10004.0	9017.2	8921.3	8820.7	9178.5
50°	10761.7	10841.2	11189.6	11919.2	12901.4	12910.7	11439.8	10368.8	10247.2	10088.2	10436.6
52.5°	10745.3	10796.7	11128.8	11970.7	13724.5	14802.6	13362.1	12089.9	11991.7	11645.6	11949.6
55°	9901.1	9978.3	10312.7	11365.0	13813.4	16596.2	16186.9	14119.7	13944.3	13324.6	13659.0
57.5°	8205.7	8271.2	8607.9	9905.8	13025.3	17515.2	19774.2	16706.1	16465.2	15153.3	15539.2
60°	6194.6	6115.1	6274.1	7410.6	11140.5	17538.6	22940.5	20213.8	19811.6	17108.3	17431.0
62.5°	4648.9	4569.4	4604.5	4924.8	7553.3	16121.5	24745.8	25012.3	24348.2	19315.8	19252.7
65°	3673.7	3629.3	3729.9	3949.7	4403.4	12277.0	24759.8	30201.4	29782.8	21874.1	21121.1
67.5°	2993.2	2965.2	3068.1	3475.0	3570.9	6596.8	22201.5	32624.1	32787.8	24675.6	22853.9
70°	2411.0	2368.9	2530.2	3065.7	3320.6	3991.8	15904.0	31389.4	31653.6	26345.3	22365.2
72.5°	1665.0	1667.3	1749.2	2483.5	3206.1	3446.9	8996.1	26137.2	26710.1	24832.3	19661.9
75°	1122.5	1131.8	1155.2	1639.3	2953.5	3344.0	4793.9	19788.2	20192.7	20524.8	16252.4
77.5°	678.2	682.8	736.6	991.5	2036.8	3121.9	3248.1	14344.2	14662.2	13530.4	10074.2
80°	392.9	409.2	458.3	664.1	1375.0	2345.5	2513.9	8795.0	9155.1	6014.6	3201.4
82.5°	173.0	184.7	250.2	385.8	802.1	1994.7	1962.0	3475.0	3423.5	1676.7	1110.8
85°	30.4	37.4	53.8	121.6	294.6	1052.3	1522.3	1534.0	1442.8	636.1	460.7
87.5°	0.0	0.0	0.0	0.0	0.0	7.0	229.2	411.6	409.2	180.1	159.0
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°	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2	7083.2
2.5°	7118.3	7055.2	7111.3	7118.3	7106.6	7097.3	7027.1	6966.3	6959.3	6893.8	6893.8
5°	7144.0	7085.6	7113.6	7059.9	6975.7	6889.2	6739.5	6636.6	6589.8	6505.6	6505.6
7.5°	7179.1	7118.3	7085.6	6952.3	6755.9	6566.4	6325.6	6124.5	6042.6	5923.4	5918.7
10°	7211.9	7134.7	7022.4	6762.9	6449.5	6147.9	5797.1	5511.8	5317.7	5175.0	5175.0
12.5°	7209.5	7109.0	6886.8	6503.3	6070.7	5633.4	5165.7	4735.4	4478.2	4256.0	4242.0
15°	7204.8	7066.9	6713.8	6201.6	5628.7	5023.0	4387.0	3825.7	3444.6	3227.1	3208.4
17.5°	7200.2	7013.1	6519.7	5857.9	5090.9	4265.4	3425.9	2817.9	2499.8	2366.5	2371.2
20°	7200.2	6952.3	6311.5	5462.7	4471.2	3358.1	2513.9	2071.9	1992.4	1999.4	2006.4
22.5°	7179.1	6877.5	6080.0	5032.4	3781.3	2469.4	1854.4	1704.7	1746.8	1812.3	1821.7
25°	7130.0	6753.5	5811.1	4555.4	2960.5	1798.3	1513.0	1484.9	1562.1	1643.9	1667.3
27.5°	7052.8	6610.9	5509.5	3996.5	2179.5	1445.2	1330.6	1328.3	1389.1	1449.9	1470.9
30°	6971.0	6451.9	5191.4	3374.4	1578.5	1258.1	1213.7	1213.7	1244.1	1281.5	1276.8
32.5°	6875.1	6290.5	4850.0	2726.7	1286.2	1152.9	1138.8	1131.8	1136.5	1150.5	1150.5
35°	6793.3	6147.9	4499.2	2041.5	1152.9	1094.4	1080.4	1064.0	1057.0	1047.6	1052.3
37.5°	6762.9	6035.6	4136.8	1538.7	1087.4	1052.3	1028.9	1005.5	989.2	984.5	982.2
40°	6812.0	5988.8	3774.3	1267.5	1040.6	1007.9	982.2	951.8	937.7	937.7	937.7
42.5°	7003.7	6023.9	3404.8	1145.9	1007.9	970.5	933.1	905.0	900.3	905.0	907.3
45°	7354.5	6159.5	3021.3	1085.1	979.8	933.1	888.6	867.6	867.6	872.3	872.3
47.5°	7981.2	6515.0	2642.5	1047.6	951.8	902.7	855.9	834.8	832.5	837.2	837.2
50°	9066.3	7155.7	2301.1	1021.9	930.7	879.3	832.5	804.4	797.4	795.1	795.1
52.5°	10434.3	8266.5	2083.6	1003.2	905.0	853.5	806.8	769.4	755.3	748.3	748.3
55°	12087.6	9746.8	2083.6	989.2	872.3	823.1	769.4	731.9	710.9	701.5	701.5
57.5°	13960.7	11470.2	2443.7	977.5	846.5	788.1	729.6	692.2	668.8	654.8	654.8
60°	15866.6	13291.9	3334.7	961.1	823.1	743.6	685.2	650.1	619.7	603.3	601.0
62.5°	17842.6	15298.3	4508.6	970.5	806.8	701.5	638.4	598.6	572.9	556.6	554.2
65°	19652.6	17208.8	5535.2	1043.0	809.1	664.1	584.6	549.5	528.5	507.4	505.1
67.5°	21188.9	18263.5	4814.9	1190.3	858.2	619.7	530.8	495.8	477.0	463.0	460.7
70°	20113.2	16654.6	2731.3	1281.5	926.0	572.9	470.0	446.6	427.9	418.6	416.2
72.5°	17199.5	14101.0	1826.4	1131.8	844.2	512.1	413.9	395.2	381.2	369.5	367.1
75°	13932.6	11182.6	1396.1	928.4	657.1	416.2	355.4	341.4	327.4	315.7	313.4
77.5°	8243.1	6461.2	1028.9	734.3	463.0	325.0	294.6	283.0	268.9	259.6	257.2
80°	2630.8	2244.9	652.4	505.1	306.3	250.2	226.8	217.5	203.4	191.8	189.4
82.5°	1003.2	867.6	346.1	257.2	203.4	170.7	152.0	142.6	133.3	121.6	119.3
85°	444.3	416.2	191.8	138.0	109.9	84.2	74.8	70.2	58.5	49.1	46.8
87.5°	156.7	156.7	81.8	39.8	23.4	11.7	7.0	2.3	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)