

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: P643751

Luminaire Tested: GWS-SA6F-750-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643751
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-30)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGF-750-U-SL2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40357.6 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G5

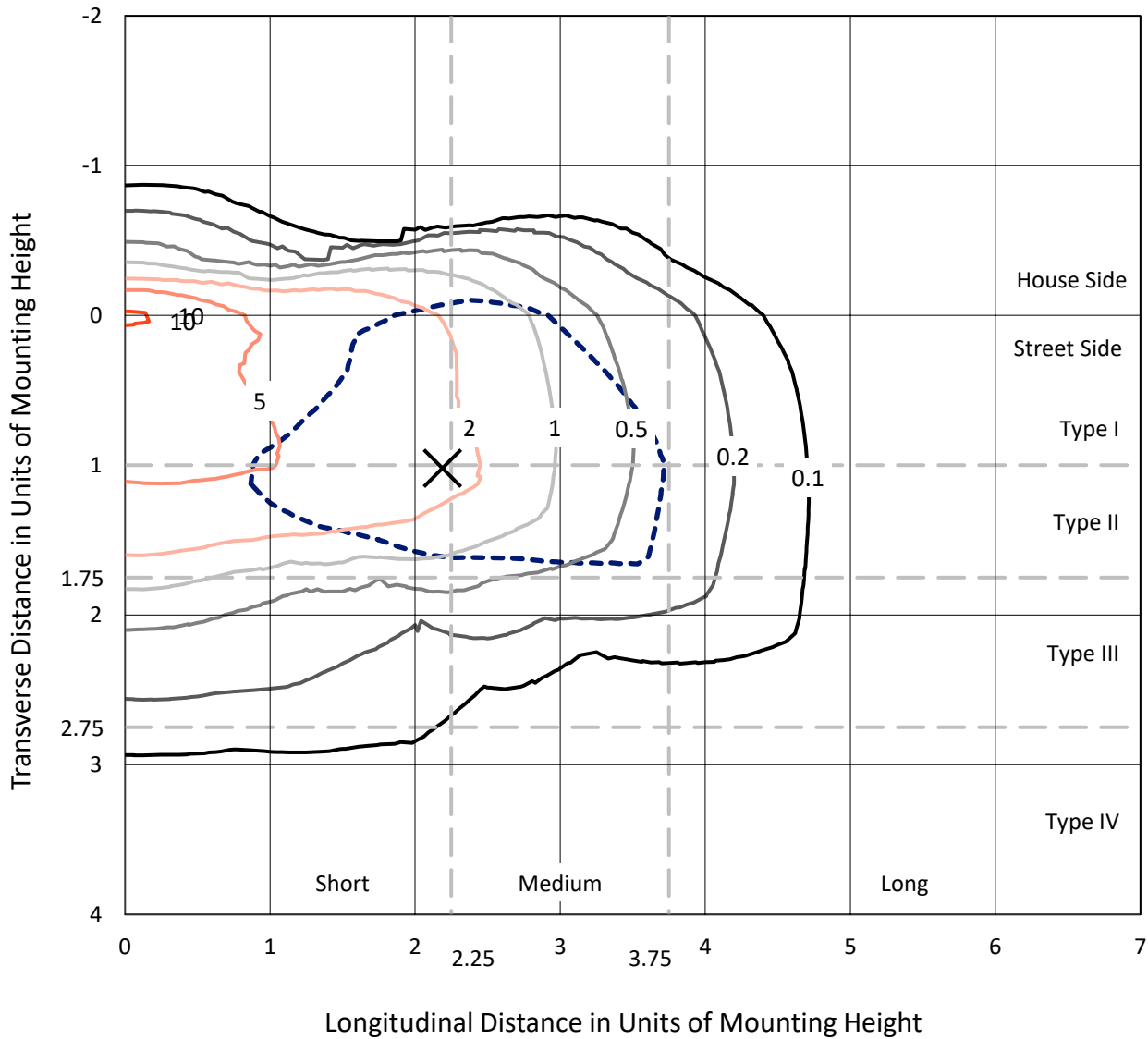
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

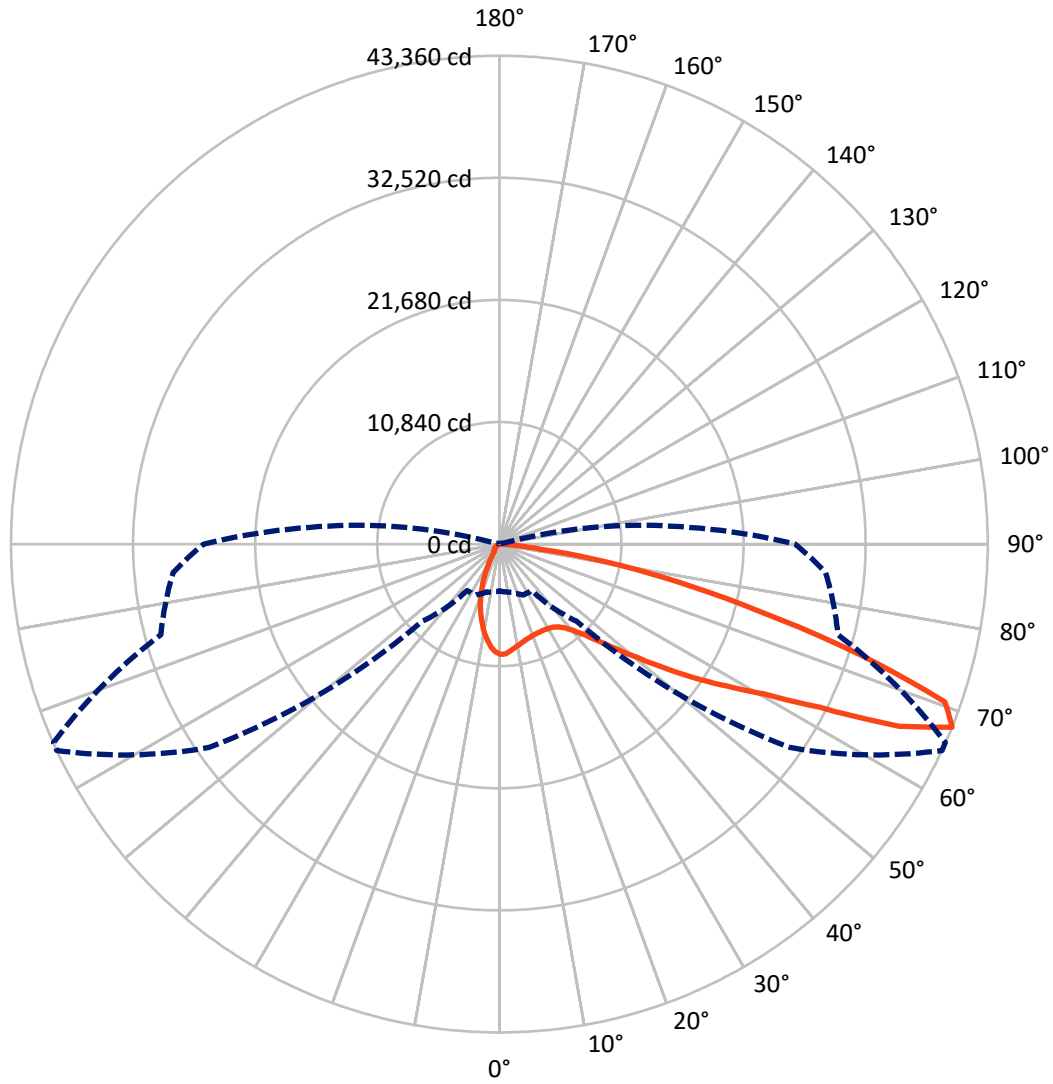
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.9 fc
 Type II - Short - N/A

REPORT NUMBER: P643751
CATALOG NUMBER: GWS-SA6F-750-U-SL2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA6F-750-U-SL2-W-HSS

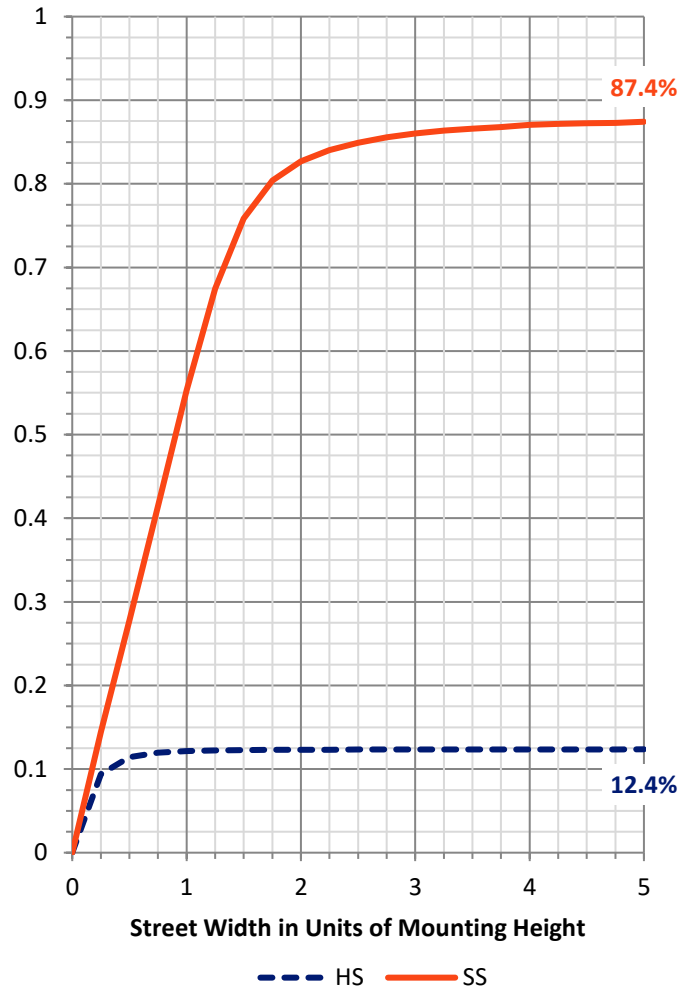
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5039.4	0.0	5039.4
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	35318.1	0.0	35318.1
	% Fixture	87.5	0.0	87.5
Total	Lumens	40357.6	0.0	40357.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	812.9	2.0
10°-20°	1827.5	4.5
20°-30°	2611.3	6.5
30°-40°	3799.1	9.4
40°-50°	5950.1	14.7
50°-60°	9282.3	23.0
60°-70°	10196.2	25.3
70°-80°	5426.3	13.4
80°-90°	451.8	1.1
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°	40357.6	100.0
0°-180°	40357.6	100.0

Coefficient of Utilization



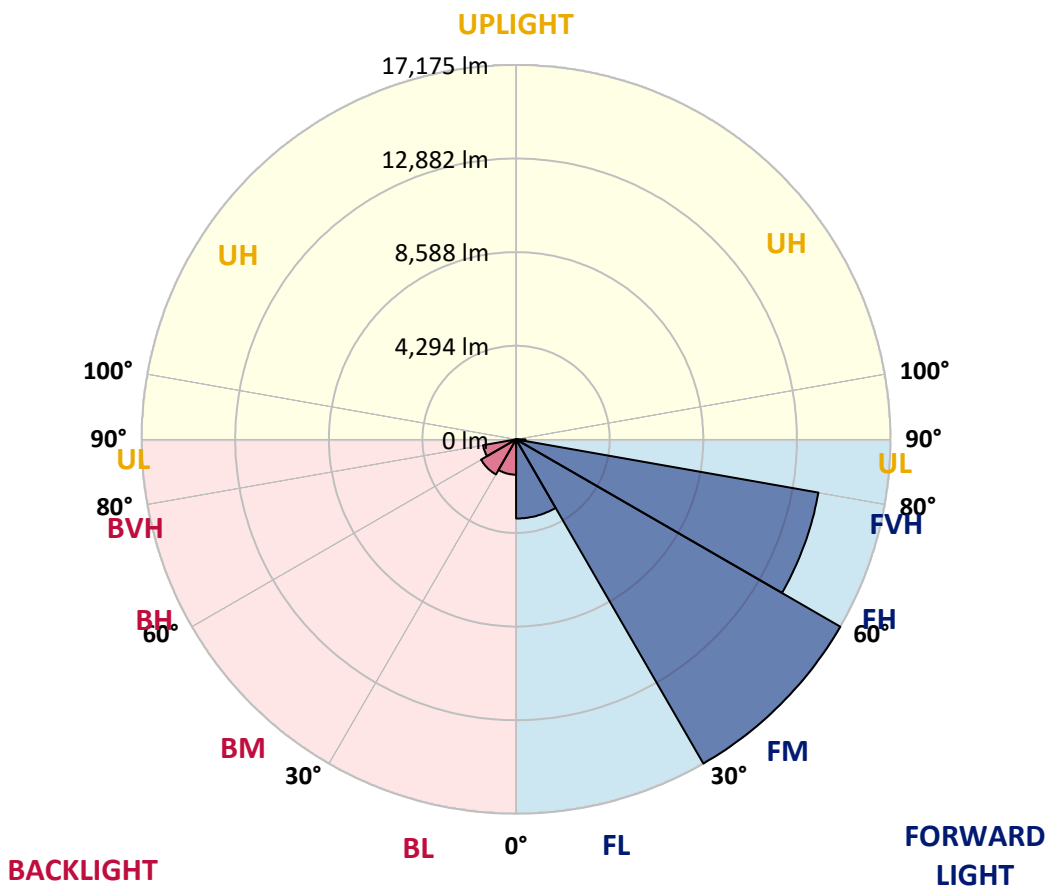
REPORT NUMBER: P643751

CATALOG NUMBER: GWS-SA6F-750-U-SL2-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3631.9	9.0			
FM (30°-60°)	17175.3	42.6			
FH (60°-80°)	14083.2	34.9			G5
FVH (80°-90°)	427.6	1.1			G3/500
BL (0°-30°)	1619.8	4.0	B3/2500		
BM (30°-60°)	1856.3	4.6	B2/2500		
BH (60°-80°)	1539.2	3.8	B3/2500		G3/2500
BVH (80°-90°)	24.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0
2.5°	9448.6	9477.8	9437.6	9536.2	9554.4	9663.9	9725.9	9769.7	9766.1	9820.8	9820.8
5°	8893.9	8923.1	8901.2	9007.0	9090.9	9262.5	9404.8	9569.0	9576.3	9744.2	9806.2
7.5°	8423.1	8426.7	8426.7	8558.1	8667.6	8879.3	9090.9	9342.7	9371.9	9631.1	9795.3
10°	8036.2	8047.2	8050.8	8200.5	8320.9	8576.4	8846.4	9149.3	9182.2	9532.5	9788.0
12.5°	7769.8	7773.5	7788.1	7945.0	8076.4	8342.8	8616.5	8963.2	9007.0	9419.4	9755.1
15°	7642.1	7634.8	7642.1	7773.5	7904.8	8160.3	8441.3	8813.6	8861.0	9324.5	9758.8
17.5°	7634.8	7623.8	7616.5	7715.1	7799.0	8025.3	8309.9	8715.0	8766.1	9280.7	9798.9
20°	7740.6	7733.3	7696.8	7740.6	7758.9	7945.0	8226.0	8638.4	8689.5	9273.4	9886.5
22.5°	8018.0	7999.7	7945.0	7904.8	7806.3	7915.8	8167.6	8583.7	8642.0	9291.7	9999.7
25°	8430.4	8423.1	8353.7	8255.2	8003.4	7959.6	8171.3	8583.7	8638.4	9313.6	10120.1
27.5°	9050.8	9007.0	8919.4	8747.9	8386.6	8131.1	8244.2	8605.5	8660.3	9342.7	10218.6
30°	9682.2	9678.5	9649.3	9474.1	8937.7	8459.6	8397.5	8663.9	8715.0	9368.3	10309.9
32.5°	10335.4	10346.4	10419.4	10284.3	9696.8	8948.6	8674.9	8784.4	8820.9	9419.4	10390.2
35°	10955.8	10977.7	11171.2	11218.6	10620.1	9689.5	9127.4	9025.2	9028.9	9532.5	10496.0
37.5°	11550.7	11623.7	11933.9	12163.8	11769.7	10587.2	9780.7	9434.0	9404.8	9758.8	10656.6
40°	12225.9	12364.5	12755.0	13145.5	13021.5	11773.3	10671.2	10061.7	9999.7	10174.8	10944.9
42.5°	12974.0	13123.6	13641.9	14189.3	14247.7	13207.6	11784.3	10977.7	10871.9	10875.5	11485.0
45°	13776.9	13977.6	14579.8	15368.1	15722.1	14806.1	13156.5	12214.9	12109.1	11952.1	12353.6
47.5°	14831.6	15006.8	15587.1	16495.8	17174.6	16521.3	14955.7	13806.1	13612.7	13382.8	13703.9
50°	15740.3	15893.6	16393.6	17532.3	18944.6	18732.9	16995.8	15795.1	15609.0	15218.5	15484.9
52.5°	15941.1	16061.5	16521.3	17802.3	20298.6	21524.8	19495.7	18200.1	18068.7	17346.1	17448.3
55°	15039.6	15222.1	15634.5	17057.8	20652.6	24254.7	22740.1	20911.7	20638.0	19484.7	19667.2
57.5°	12762.3	13087.1	13474.0	15324.3	19692.8	25707.2	27272.8	23783.9	23535.7	21543.1	21546.7
60°	9353.7	9616.5	9875.6	11569.0	17415.5	25608.6	31385.8	27010.0	26557.5	23225.5	23163.4
62.5°	6802.7	6937.7	6934.1	7536.2	11959.4	23922.5	33546.3	31871.2	30816.5	25024.7	24670.7
65°	5350.2	5346.5	5503.5	5700.5	6678.6	18466.5	33812.7	38969.5	37830.8	27437.0	26699.8
67.5°	4164.1	4244.4	4401.3	4981.6	5018.1	9663.9	31469.7	43359.8	43337.9	31119.4	29075.7
70°	3211.6	3321.1	3543.7	4390.4	4634.9	5408.6	23546.6	41969.4	42323.4	32765.3	27393.2
72.5°	2062.0	2054.7	2383.1	3547.3	4452.4	4507.1	13021.5	33338.3	33739.7	29677.8	22148.9
75°	1153.2	1160.5	1346.7	2171.5	4149.5	4240.7	6448.7	23772.9	24090.4	23137.9	17017.7
77.5°	452.5	467.1	631.4	1142.3	2737.1	3788.2	3832.0	16211.1	16258.6	14338.9	10437.6
80°	182.5	193.4	321.2	708.0	1667.8	2551.0	2737.1	9550.8	9357.3	5550.9	3036.4
82.5°	54.7	58.4	127.7	401.4	872.2	1813.8	1846.7	3664.1	3459.7	1193.4	773.7
85°	3.6	3.6	29.2	124.1	310.2	456.2	1229.9	1193.4	1058.4	299.3	343.1
87.5°	0.0	0.0	3.6	3.6	7.3	14.6	131.4	219.0	222.6	54.7	153.3
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°	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0	9788.0
2.5°	9820.8	9689.5	9678.5	9576.3	9474.1	9346.4	9196.8	9087.3	9010.6	8875.6	8850.1
5°	9806.2	9631.1	9466.8	9174.9	8850.1	8499.7	8193.2	7908.5	7729.7	7609.2	7558.1
7.5°	9777.0	9554.4	9174.9	8623.8	8080.0	7466.9	6988.8	6550.9	6251.6	6076.4	5999.8
10°	9755.1	9455.9	8839.1	8003.4	7160.3	6313.7	5587.4	4937.8	4576.5	4291.8	4244.4
12.5°	9711.3	9313.6	8408.5	7277.1	6189.6	5065.5	4138.5	3343.0	2791.9	2543.7	2456.1
15°	9667.6	9163.9	7977.8	6510.7	5131.2	3744.4	2620.3	1854.0	1474.4	1357.6	1350.3
17.5°	9660.3	9028.9	7510.7	5784.5	4021.8	2452.5	1492.7	1200.7	1120.4	1091.2	1091.2
20°	9682.2	8915.8	7050.9	4948.7	2930.6	1492.7	1113.1	1040.1	992.7	967.1	967.1
22.5°	9704.1	8799.0	6609.3	4105.7	1945.2	1091.2	981.7	919.7	864.9	835.7	821.1
25°	9718.6	8671.2	6120.2	3259.0	1270.0	948.9	861.3	781.0	715.3	678.8	678.8
27.5°	9715.0	8518.0	5627.5	2430.6	985.4	843.0	737.2	653.3	587.6	547.4	551.1
30°	9685.8	8350.1	5116.6	1697.0	861.3	737.2	631.4	543.8	478.1	445.2	441.6
32.5°	9663.9	8171.3	4525.4	1193.4	773.7	646.0	536.5	452.5	397.8	372.3	368.6
35°	9638.4	7996.1	3963.4	908.7	697.1	558.4	452.5	383.2	339.4	317.5	317.5
37.5°	9645.7	7813.6	3353.9	781.0	620.4	485.4	386.8	328.5	292.0	270.1	266.4
40°	9758.8	7704.1	2755.4	708.0	551.1	419.7	335.8	284.7	248.2	226.3	222.6
42.5°	10039.8	7707.8	2182.4	653.3	489.0	357.7	292.0	244.5	211.7	186.1	182.5
45°	10601.8	7861.0	1675.1	594.9	423.3	310.2	251.8	208.0	175.2	153.3	149.6
47.5°	11521.5	8317.2	1270.0	543.8	368.6	270.1	215.3	175.2	146.0	127.7	124.1
50°	12985.0	9142.0	1000.0	481.7	310.2	233.6	182.5	146.0	120.4	102.2	98.5
52.5°	14744.0	10379.2	857.6	427.0	266.4	204.4	156.9	120.4	98.5	83.9	80.3
55°	16765.9	11857.3	791.9	372.3	226.3	175.2	127.7	98.5	80.3	69.3	62.0
57.5°	18619.8	13189.3	788.3	317.5	193.4	149.6	105.8	83.9	69.3	54.7	51.1
60°	20426.3	14302.4	740.9	262.8	167.9	124.1	91.2	69.3	58.4	47.4	43.8
62.5°	22064.9	15207.5	620.4	211.7	142.3	102.2	76.6	62.0	51.1	40.1	40.1
65°	24123.3	16360.8	474.4	171.5	116.8	83.9	65.7	54.7	47.4	36.5	36.5
67.5°	26250.9	16970.2	339.4	142.3	94.9	73.0	58.4	51.1	40.1	32.8	32.8
70°	23776.6	14338.9	244.5	116.8	80.3	62.0	51.1	47.4	40.1	32.8	29.2
72.5°	18568.7	10339.1	182.5	91.2	69.3	58.4	47.4	43.8	36.5	29.2	29.2
75°	13769.6	6029.0	138.7	73.0	54.7	47.4	47.4	43.8	36.5	29.2	25.5
77.5°	7485.1	2102.1	105.8	58.4	43.8	36.5	40.1	40.1	32.8	25.5	21.9
80°	1981.7	576.6	73.0	43.8	36.5	29.2	29.2	36.5	29.2	21.9	21.9
82.5°	576.6	167.9	51.1	36.5	29.2	25.5	25.5	25.5	21.9	18.2	14.6
85°	281.0	62.0	36.5	29.2	25.5	21.9	18.2	18.2	14.6	10.9	10.9
87.5°	124.1	25.5	29.2	25.5	25.5	18.2	14.6	10.9	10.9	7.3	3.6
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)