

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: P643476

Luminaire Tested: GWS-SA6F-722-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643476
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29061.3 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

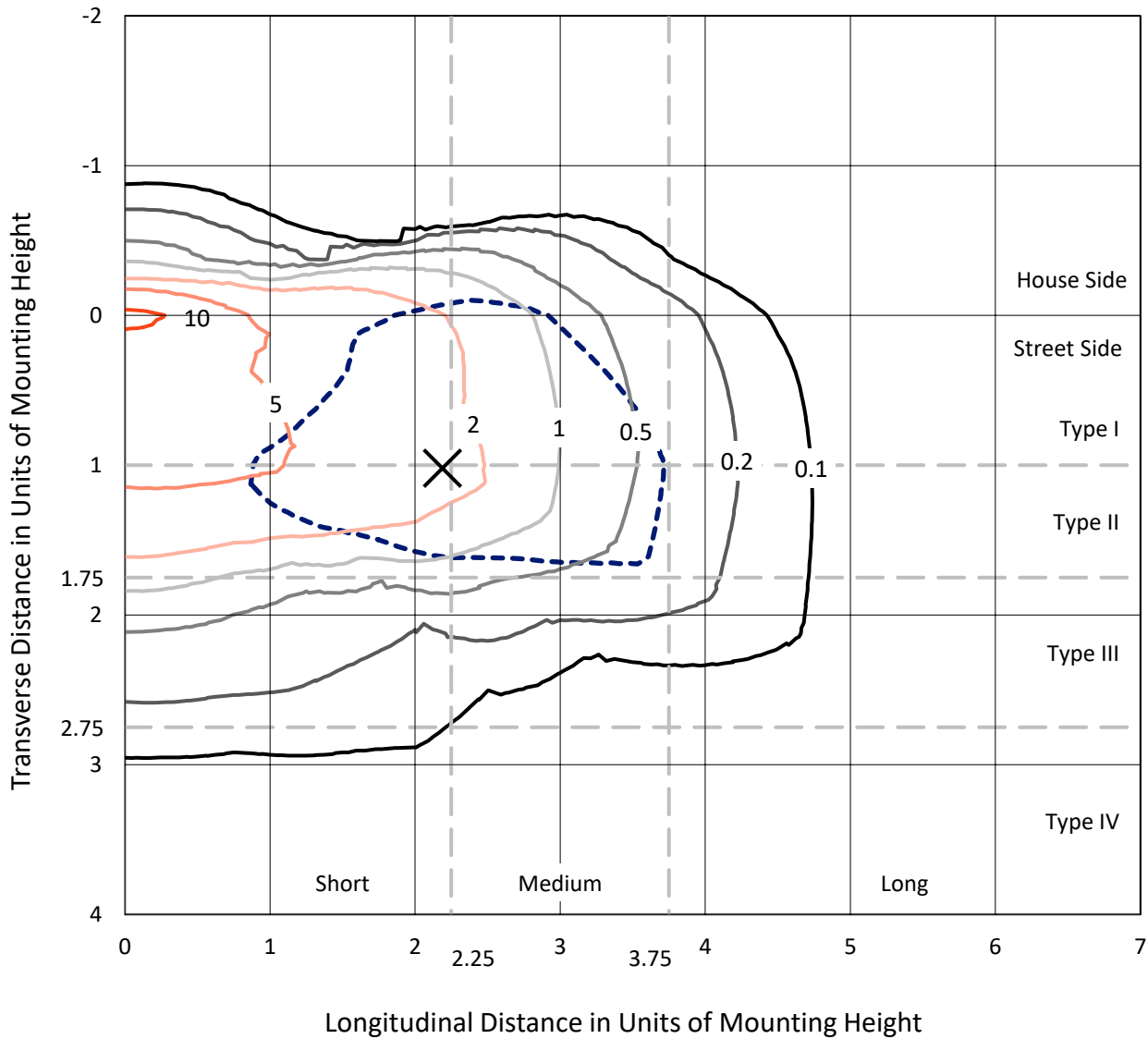
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

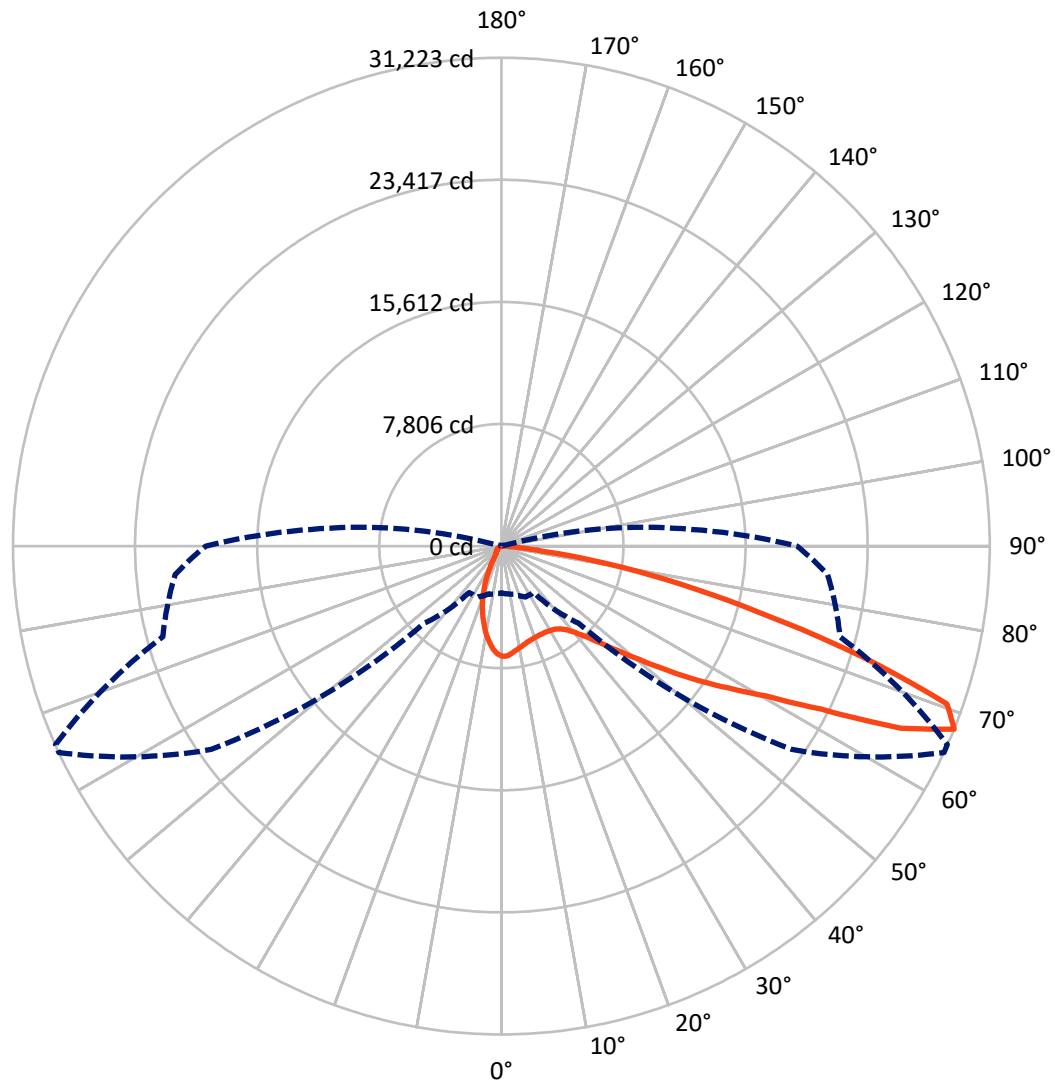
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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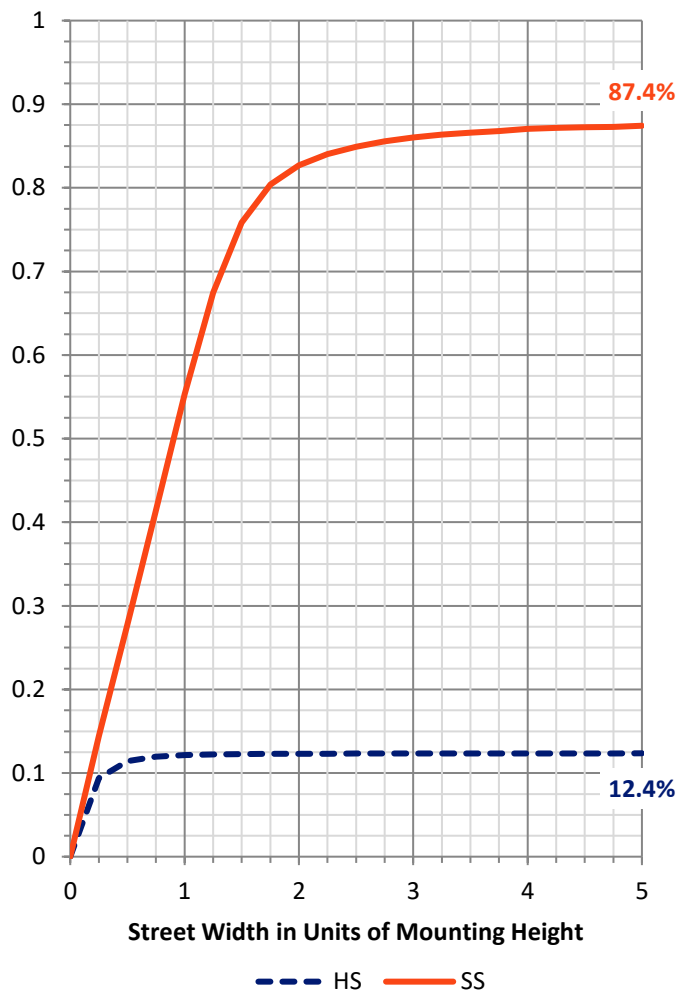
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3628.9	0.0	3628.9
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	25432.4	0.0	25432.4
	% Fixture	87.5	0.0	87.5
Total	Lumens	29061.3	0.0	29061.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.4	2.0
10°-20°	1315.9	4.5
20°-30°	1880.4	6.5
30°-40°	2735.7	9.4
40°-50°	4284.6	14.7
50°-60°	6684.2	23.0
60°-70°	7342.2	25.3
70°-80°	3907.5	13.4
80°-90°	325.3	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°	29061.3	100.0
0°-180°	29061.3	100.0

Coefficient of Utilization



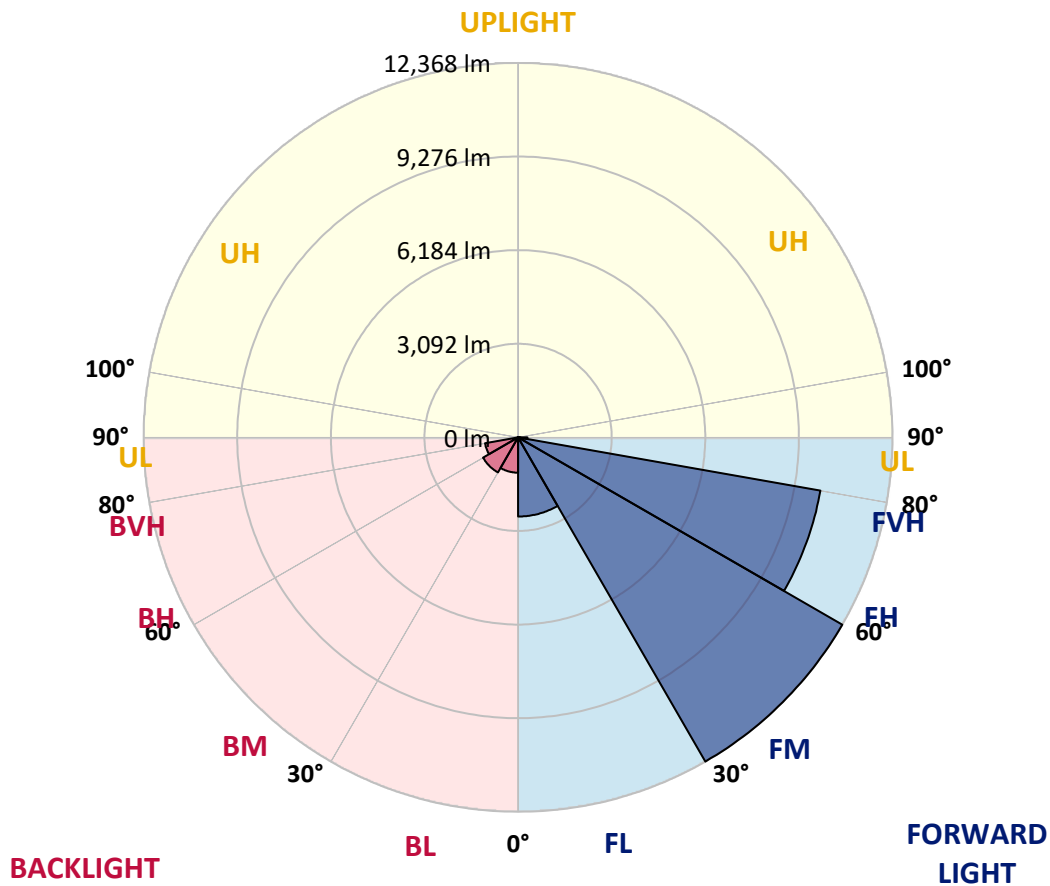
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2615.3	9.0			
FM (30°-60°)	12367.9	42.6			
FH (60°-80°)	10141.3	34.9			G4/12000
FVH (80°-90°)	307.9	1.1			G3/500
BL (0°-30°)	1166.4	4.0	B3/2500		
BM (30°-60°)	1336.7	4.6	B2/2500		
BH (60°-80°)	1108.4	3.8	B3/2500		G3/2500
BVH (80°-90°)	17.4	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-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3
2.5°	6803.9	6824.9	6796.0	6866.9	6880.1	6958.9	7003.6	7035.1	7032.5	7071.9	7071.9
5°	6404.4	6425.4	6409.7	6485.9	6546.3	6669.8	6772.3	6890.6	6895.9	7016.7	7061.4
7.5°	6065.4	6068.0	6068.0	6162.6	6241.5	6393.9	6546.3	6727.7	6748.7	6935.3	7053.5
10°	5786.8	5794.7	5797.4	5905.1	5991.8	6175.8	6370.3	6588.4	6612.0	6864.3	7048.3
12.5°	5595.0	5597.6	5608.1	5721.1	5815.8	6007.6	6204.7	6454.4	6485.9	6782.9	7024.6
15°	5503.0	5497.8	5503.0	5597.6	5692.2	5876.2	6078.6	6346.6	6380.8	6714.5	7027.3
17.5°	5497.8	5489.9	5484.6	5555.6	5616.0	5779.0	5983.9	6275.7	6312.4	6683.0	7056.2
20°	5574.0	5568.7	5542.4	5574.0	5587.1	5721.1	5923.5	6220.5	6257.3	6677.7	7119.2
22.5°	5773.7	5760.6	5721.1	5692.2	5621.3	5700.1	5881.5	6181.0	6223.1	6690.9	7200.7
25°	6070.7	6065.4	6015.5	5944.5	5763.2	5731.7	5884.1	6181.0	6220.5	6706.6	7287.4
27.5°	6517.4	6485.9	6422.8	6299.3	6039.1	5855.2	5936.6	6196.8	6236.2	6727.7	7358.4
30°	6972.1	6969.4	6948.4	6822.3	6436.0	6091.7	6047.0	6238.9	6275.7	6746.1	7424.1
32.5°	7442.5	7450.4	7502.9	7405.7	6982.6	6443.8	6246.7	6325.6	6351.9	6782.9	7481.9
35°	7889.2	7905.0	8044.3	8078.5	7647.5	6977.3	6572.6	6499.0	6501.7	6864.3	7558.1
37.5°	8317.6	8370.2	8593.5	8759.1	8475.3	7623.8	7043.0	6793.4	6772.3	7027.3	7673.7
40°	8803.8	8903.6	9184.8	9466.0	9376.7	8477.9	7684.3	7245.4	7200.7	7326.8	7881.4
42.5°	9342.5	9450.3	9823.4	10217.6	10259.7	9510.7	8485.8	7905.0	7828.8	7831.4	8270.3
45°	9920.7	10065.2	10498.8	11066.5	11321.4	10661.8	9473.9	8795.9	8719.7	8606.7	8895.8
47.5°	10680.2	10806.3	11224.2	11878.5	12367.3	11896.9	10769.5	9941.7	9802.4	9636.9	9868.1
50°	11334.5	11444.9	11805.0	12624.9	13641.9	13489.5	12238.6	11374.0	11239.9	10958.7	11150.6
52.5°	11479.1	11565.8	11896.9	12819.4	14616.9	15499.9	14038.7	13105.8	13011.2	12490.9	12564.4
55°	10830.0	10961.4	11258.3	12283.2	14871.8	17465.7	16375.0	15058.4	14861.3	14030.9	14162.3
57.5°	9190.1	9424.0	9702.6	11034.9	14180.7	18511.6	19639.0	17126.6	16947.9	15513.1	15515.7
60°	6735.5	6924.8	7111.4	8330.7	12540.8	18440.6	22600.8	19449.8	19123.9	16724.6	16679.9
62.5°	4898.6	4995.8	4993.2	5426.8	8611.9	17226.5	24156.5	22950.3	22190.8	18020.2	17765.2
65°	3852.6	3850.0	3963.0	4104.9	4809.2	13297.7	24348.4	28061.7	27241.8	19757.3	19226.4
67.5°	2998.5	3056.4	3169.4	3587.2	3613.5	6958.9	22661.2	31223.2	31207.4	22408.9	20937.2
70°	2312.6	2391.5	2551.8	3161.5	3337.6	3894.7	16955.8	30221.9	30476.8	23594.1	19725.7
72.5°	1484.8	1479.6	1716.1	2554.4	3206.2	3245.6	9376.7	24006.7	24295.8	21370.8	15949.3
75°	830.4	835.7	969.7	1563.7	2988.0	3053.7	4643.7	17118.8	17347.4	16661.5	12254.3
77.5°	325.9	336.4	454.6	822.6	1971.0	2727.9	2759.4	11673.6	11707.7	10325.4	7516.1
80°	131.4	139.3	231.3	509.8	1201.0	1837.0	1971.0	6877.5	6738.2	3997.2	2186.5
82.5°	39.4	42.0	92.0	289.1	628.1	1306.1	1329.8	2638.5	2491.3	859.4	557.1
85°	2.6	2.6	21.0	89.4	223.4	328.5	885.6	859.4	762.1	215.5	247.0
87.5°	0.0	0.0	2.6	2.6	5.3	10.5	94.6	157.7	160.3	39.4	110.4
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°	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3	7048.3
2.5°	7071.9	6977.3	6969.4	6895.9	6822.3	6730.3	6622.5	6543.7	6488.5	6391.3	6372.9
5°	7061.4	6935.3	6817.0	6606.8	6372.9	6120.6	5899.8	5694.9	5566.1	5479.4	5442.6
7.5°	7040.4	6880.1	6606.8	6210.0	5818.4	5376.9	5032.6	4717.2	4501.8	4375.6	4320.4
10°	7024.6	6809.1	6365.0	5763.2	5156.1	4546.4	4023.5	3555.7	3295.5	3090.5	3056.4
12.5°	6993.1	6706.6	6054.9	5240.2	4457.1	3647.7	2980.1	2407.2	2010.4	1831.7	1768.6
15°	6961.6	6598.9	5744.8	4688.3	3695.0	2696.3	1886.9	1335.0	1061.7	977.6	972.4
17.5°	6956.3	6501.7	5408.4	4165.4	2896.0	1766.0	1074.8	864.6	806.8	785.8	785.8
20°	6972.1	6420.2	5077.3	3563.6	2110.3	1074.8	801.5	749.0	714.8	696.4	696.4
22.5°	6987.8	6336.1	4759.3	2956.5	1400.7	785.8	706.9	662.3	622.8	601.8	591.3
25°	6998.3	6244.1	4407.1	2346.8	914.5	683.3	620.2	562.4	515.1	488.8	488.8
27.5°	6995.7	6133.7	4052.4	1750.2	709.6	607.1	530.9	470.4	423.1	394.2	396.8
30°	6974.7	6012.9	3684.4	1222.0	620.2	530.9	454.6	391.6	344.3	320.6	318.0
32.5°	6958.9	5884.1	3258.7	859.4	557.1	465.2	386.3	325.9	286.5	268.1	265.4
35°	6940.5	5757.9	2854.0	654.4	501.9	402.1	325.9	275.9	244.4	228.6	228.6
37.5°	6945.8	5626.5	2415.1	562.4	446.8	349.5	278.6	236.5	210.2	194.5	191.8
40°	7027.3	5547.7	1984.1	509.8	396.8	302.2	241.8	205.0	178.7	162.9	160.3
42.5°	7229.6	5550.3	1571.5	470.4	352.2	257.5	210.2	176.1	152.4	134.0	131.4
45°	7634.3	5660.7	1206.2	428.4	304.8	223.4	181.3	149.8	126.1	110.4	107.7
47.5°	8296.6	5989.2	914.5	391.6	265.4	194.5	155.1	126.1	105.1	92.0	89.4
50°	9350.4	6583.1	720.1	346.9	223.4	168.2	131.4	105.1	86.7	73.6	71.0
52.5°	10617.1	7474.0	617.6	307.5	191.8	147.2	113.0	86.7	71.0	60.4	57.8
55°	12073.0	8538.4	570.3	268.1	162.9	126.1	92.0	71.0	57.8	49.9	44.7
57.5°	13408.0	9497.6	567.6	228.6	139.3	107.7	76.2	60.4	49.9	39.4	36.8
60°	14708.9	10299.1	533.5	189.2	120.9	89.4	65.7	49.9	42.0	34.2	31.5
62.5°	15888.9	10950.9	446.8	152.4	102.5	73.6	55.2	44.7	36.8	28.9	28.9
65°	17371.0	11781.3	341.6	123.5	84.1	60.4	47.3	39.4	34.2	26.3	26.3
67.5°	18903.2	12220.2	244.4	102.5	68.3	52.6	42.0	36.8	28.9	23.7	23.7
70°	17121.4	10325.4	176.1	84.1	57.8	44.7	36.8	34.2	28.9	23.7	21.0
72.5°	13371.2	7445.1	131.4	65.7	49.9	42.0	34.2	31.5	26.3	21.0	21.0
75°	9915.4	4341.4	99.9	52.6	39.4	34.2	34.2	31.5	26.3	21.0	18.4
77.5°	5390.0	1513.7	76.2	42.0	31.5	26.3	28.9	28.9	23.7	18.4	15.8
80°	1427.0	415.2	52.6	31.5	26.3	21.0	21.0	26.3	21.0	15.8	15.8
82.5°	415.2	120.9	36.8	26.3	21.0	18.4	18.4	18.4	15.8	13.1	10.5
85°	202.4	44.7	26.3	21.0	18.4	15.8	13.1	13.1	10.5	7.9	7.9
87.5°	89.4	18.4	21.0	18.4	18.4	13.1	10.5	7.9	7.9	5.3	2.6
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)