

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: P642321

Luminaire Tested: GWS-SA6C-760-U-SL2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642321
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-SA6C-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22709.2 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

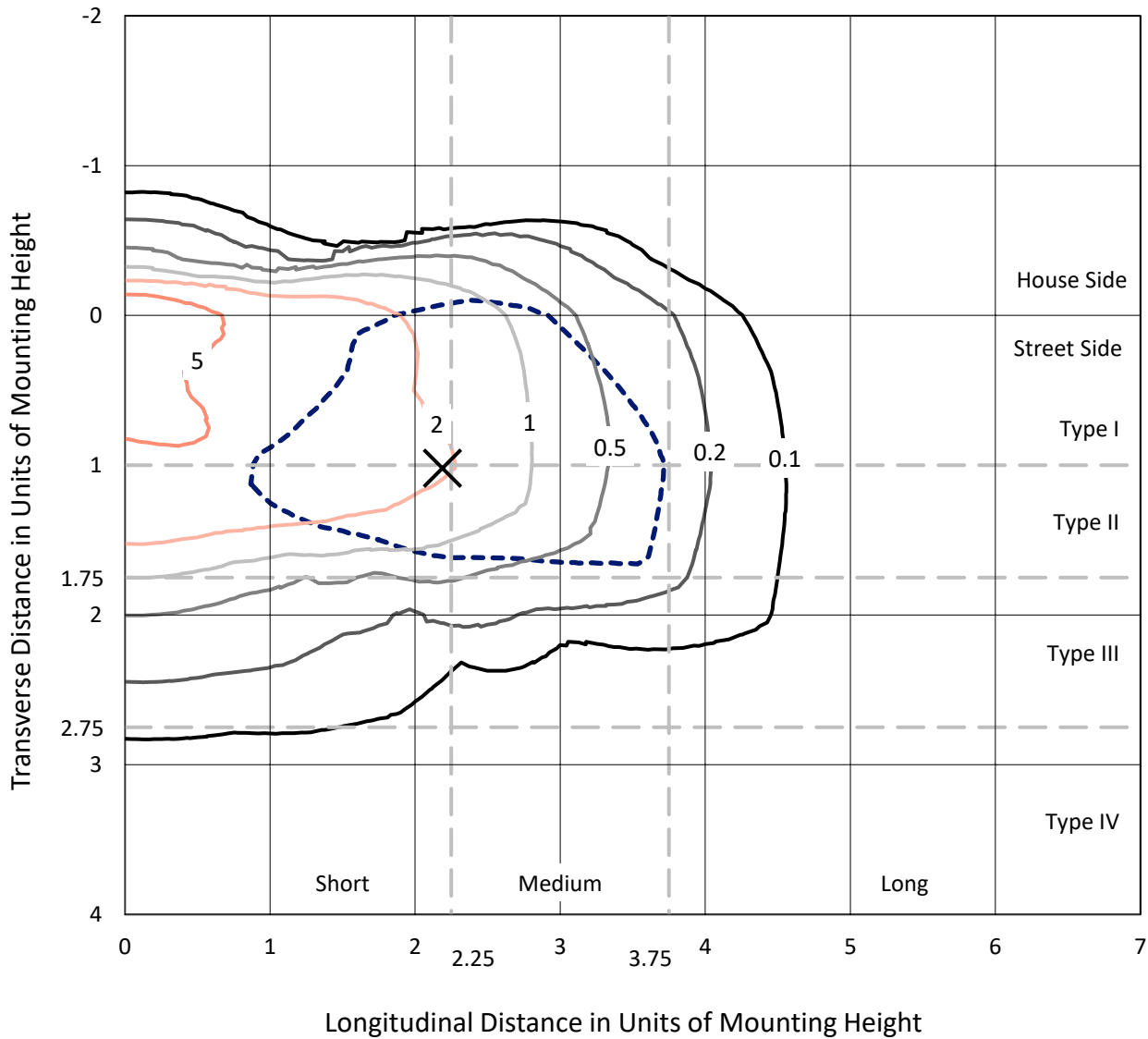
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

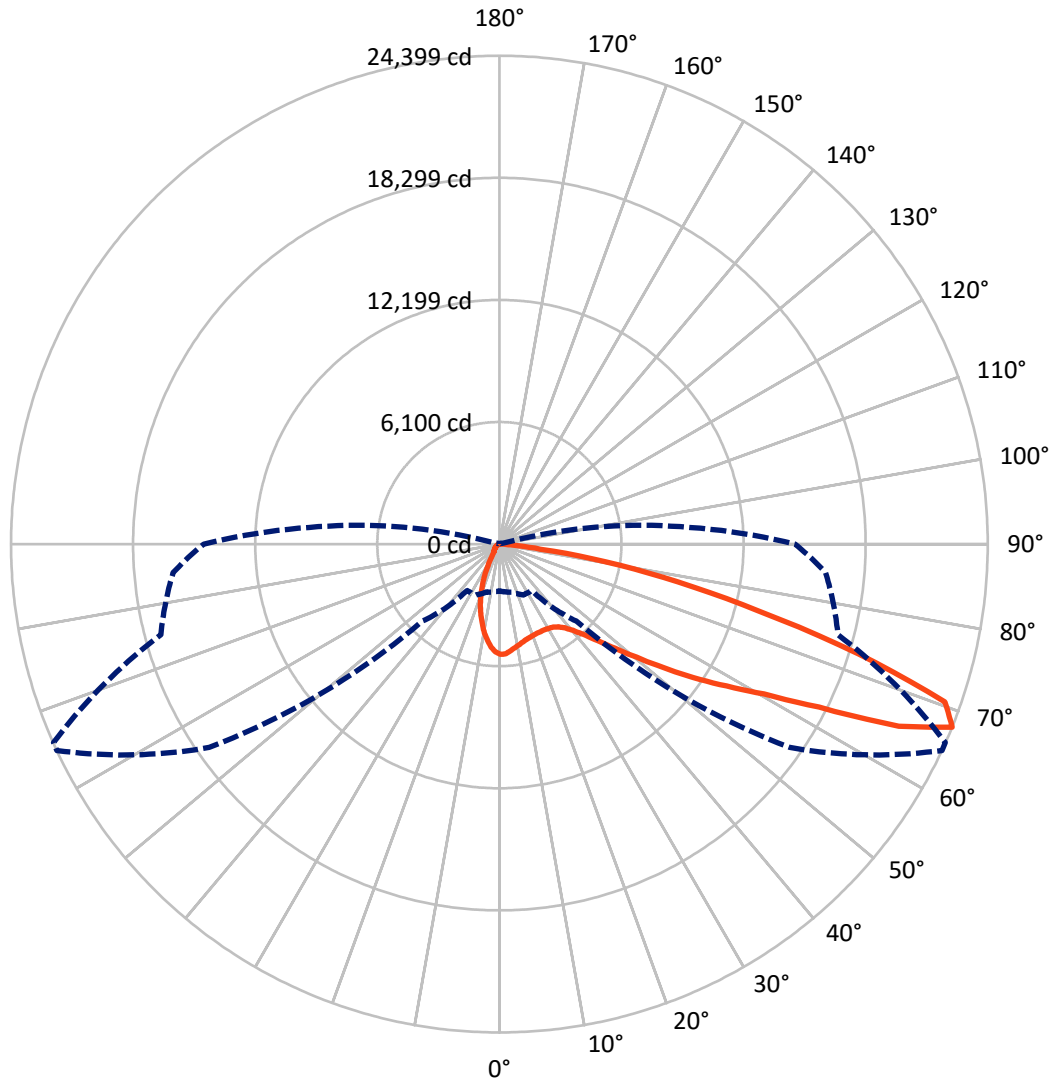
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 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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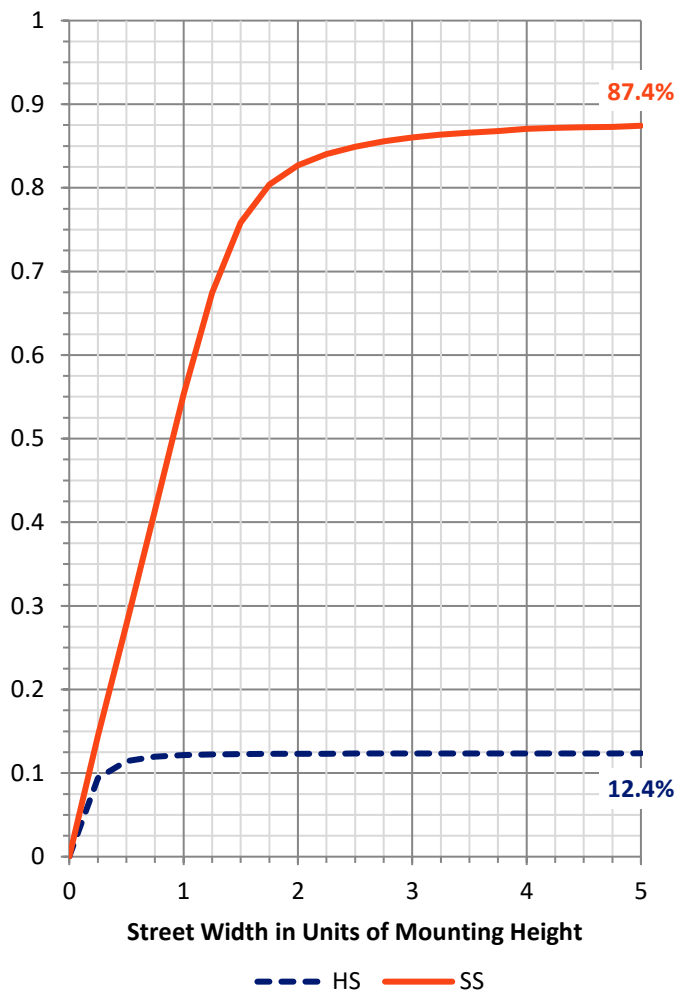
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2835.7	0.0	2835.7
	% Fixture	12.5	0.0	12.5
Street Side	Lumens	19873.5	0.0	19873.5
	% Fixture	87.5	0.0	87.5
Total	Lumens	22709.2	0.0	22709.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.4	2.0
10°-20°	1028.3	4.5
20°-30°	1469.4	6.5
30°-40°	2137.8	9.4
40°-50°	3348.1	14.7
50°-60°	5223.2	23.0
60°-70°	5737.4	25.3
70°-80°	3053.4	13.4
80°-90°	254.2	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°	22709.2	100.0
0°-180°	22709.2	100.0

Coefficient of Utilization



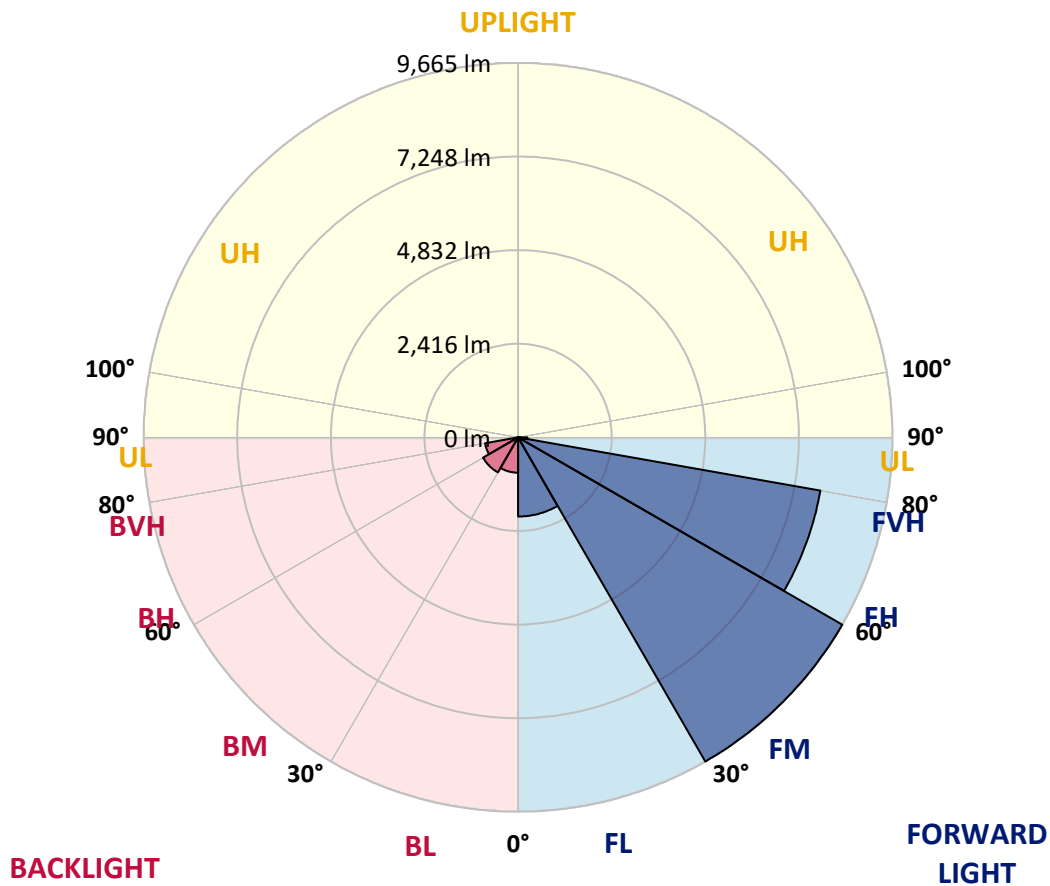
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2043.7	9.0			
FM (30°-60°)	9664.6	42.6			
FH (60°-80°)	7924.6	34.9			G4/12000
FVH (80°-90°)	240.6	1.1			G3/500
BL (0°-30°)	911.4	4.0	B2/1000		
BM (30°-60°)	1044.5	4.6	B2/2500		
BH (60°-80°)	866.1	3.8	B2/1000		G2/1000
BVH (80°-90°)	13.6	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7
2.5°	5316.7	5333.1	5310.6	5366.0	5376.3	5437.9	5472.8	5497.4	5495.4	5526.2	5526.2
5°	5004.6	5021.0	5008.7	5068.2	5115.5	5212.0	5292.1	5384.5	5388.6	5483.1	5518.0
7.5°	4739.7	4741.7	4741.7	4815.6	4877.2	4996.4	5115.5	5257.2	5273.6	5419.4	5511.8
10°	4522.0	4528.1	4530.2	4614.4	4682.2	4825.9	4977.9	5148.3	5166.8	5363.9	5507.7
12.5°	4372.1	4374.1	4382.3	4470.6	4544.6	4694.5	4848.5	5043.6	5068.2	5300.3	5489.2
15°	4300.2	4296.1	4300.2	4374.1	4448.1	4591.8	4749.9	4959.4	4986.1	5246.9	5491.3
17.5°	4296.1	4289.9	4285.8	4341.3	4388.5	4515.8	4676.0	4903.9	4932.7	5222.2	5513.9
20°	4355.6	4351.5	4331.0	4355.6	4365.9	4470.6	4628.8	4860.8	4889.6	5218.1	5563.1
22.5°	4511.7	4501.4	4470.6	4448.1	4392.6	4454.2	4595.9	4830.0	4862.9	5228.4	5626.8
25°	4743.8	4739.7	4700.6	4645.2	4503.5	4478.9	4598.0	4830.0	4860.8	5240.7	5694.6
27.5°	5092.9	5068.2	5018.9	4922.4	4719.1	4575.4	4639.0	4842.3	4873.1	5257.2	5750.0
30°	5448.1	5446.1	5429.7	5331.1	5029.2	4760.2	4725.3	4875.2	4903.9	5271.5	5801.4
32.5°	5815.7	5821.9	5863.0	5787.0	5456.4	5035.4	4881.4	4943.0	4963.5	5300.3	5846.5
35°	6164.8	6177.2	6286.0	6312.7	5975.9	5452.2	5136.0	5078.5	5080.6	5363.9	5906.1
37.5°	6499.6	6540.6	6715.2	6844.6	6622.8	5957.4	5503.6	5308.5	5292.1	5491.3	5996.4
40°	6879.5	6957.5	7177.3	7397.0	7327.2	6624.8	6004.7	5661.7	5626.8	5725.4	6158.7
42.5°	7300.5	7384.7	7676.3	7984.3	8017.2	7431.9	6631.0	6177.2	6117.6	6119.7	6462.6
45°	7752.3	7865.2	8204.0	8647.6	8846.8	8331.4	7403.1	6873.3	6813.8	6725.5	6951.4
47.5°	8345.7	8444.3	8770.8	9282.2	9664.1	9296.5	8415.6	7768.7	7659.8	7530.5	7711.2
50°	8857.1	8943.3	9224.7	9865.4	10660.1	10541.0	9563.5	8887.9	8783.2	8563.4	8713.3
52.5°	8970.0	9037.8	9296.5	10017.4	11422.0	12112.0	10970.2	10241.2	10167.3	9760.7	9818.2
55°	8462.8	8565.5	8797.5	9598.4	11621.2	13648.1	12795.8	11767.0	11613.0	10964.1	11066.7
57.5°	7181.4	7364.1	7581.8	8623.0	11081.1	14465.4	15346.4	13383.2	13243.5	12122.3	12124.3
60°	5263.3	5411.2	5557.0	6509.8	9799.7	14410.0	17660.8	15198.5	14943.9	13069.0	13034.1
62.5°	3827.9	3903.9	3901.8	4240.6	6729.6	13461.2	18876.5	17933.9	17340.4	14081.4	13882.2
65°	3010.5	3008.5	3096.8	3207.7	3758.0	10391.1	19026.4	21928.1	21287.4	15438.8	15024.0
67.5°	2343.1	2388.3	2476.6	2803.1	2823.7	5437.9	17708.0	24398.6	24386.2	17510.9	16360.9
70°	1807.1	1868.8	1994.0	2470.5	2608.0	3043.4	13249.7	23616.1	23815.3	18437.0	15414.2
72.5°	1160.3	1156.2	1341.0	1996.1	2505.4	2536.2	7327.2	18759.4	18985.3	16699.7	12463.2
75°	648.9	653.0	757.8	1221.9	2334.9	2386.3	3628.7	13377.0	13555.7	13019.7	9575.8
77.5°	254.6	262.9	355.3	642.8	1540.2	2131.6	2156.3	9122.0	9148.7	8068.5	5873.2
80°	102.7	108.8	180.7	398.4	938.5	1435.5	1540.2	5374.2	5265.4	3123.5	1708.6
82.5°	30.8	32.9	71.9	225.9	490.8	1020.6	1039.1	2061.8	1946.8	671.5	435.4
85°	2.1	2.1	16.4	69.8	174.6	256.7	692.1	671.5	595.5	168.4	193.0
87.5°	0.0	0.0	2.1	2.1	4.1	8.2	73.9	123.2	125.3	30.8	86.3
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°	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7	5507.7
2.5°	5526.2	5452.2	5446.1	5388.6	5331.1	5259.2	5175.0	5113.4	5070.3	4994.3	4979.9
5°	5518.0	5419.4	5327.0	5162.7	4979.9	4782.8	4610.3	4450.1	4349.5	4281.7	4253.0
7.5°	5501.5	5376.3	5162.7	4852.6	4546.6	4201.6	3932.6	3686.2	3517.8	3419.2	3376.1
10°	5489.2	5320.8	4973.8	4503.5	4029.1	3552.7	3144.0	2778.5	2575.2	2415.0	2388.3
12.5°	5464.6	5240.7	4731.4	4094.8	3482.9	2850.4	2328.8	1881.1	1571.0	1431.3	1382.1
15°	5439.9	5156.5	4489.1	3663.6	2887.3	2107.0	1474.5	1043.2	829.6	763.9	759.8
17.5°	5435.8	5080.6	4226.3	3254.9	2263.0	1380.0	839.9	675.6	630.4	614.0	614.0
20°	5448.1	5016.9	3967.5	2784.7	1649.0	839.9	626.3	585.3	558.6	544.2	544.2
22.5°	5460.5	4951.2	3719.0	2310.3	1094.6	614.0	552.4	517.5	486.7	470.3	462.1
25°	5468.7	4879.3	3443.9	1833.8	714.6	533.9	484.6	439.5	402.5	382.0	382.0
27.5°	5466.6	4793.1	3166.6	1367.7	554.5	474.4	414.8	367.6	330.6	308.0	310.1
30°	5450.2	4698.6	2879.1	954.9	484.6	414.8	355.3	306.0	269.0	250.5	248.5
32.5°	5437.9	4598.0	2546.4	671.5	435.4	363.5	301.9	254.6	223.8	209.5	207.4
35°	5423.5	4499.4	2230.2	511.3	392.2	314.2	254.6	215.6	191.0	178.7	178.7
37.5°	5427.6	4396.7	1887.2	439.5	349.1	273.1	217.7	184.8	164.3	152.0	149.9
40°	5491.3	4335.1	1550.5	398.4	310.1	236.2	188.9	160.2	139.6	127.3	125.3
42.5°	5649.4	4337.2	1228.0	367.6	275.2	201.3	164.3	137.6	119.1	104.7	102.7
45°	5965.6	4423.4	942.6	334.7	238.2	174.6	141.7	117.1	98.6	86.3	84.2
47.5°	6483.1	4680.1	714.6	306.0	207.4	152.0	121.2	98.6	82.1	71.9	69.8
50°	7306.6	5144.2	562.7	271.1	174.6	131.4	102.7	82.1	67.8	57.5	55.4
52.5°	8296.5	5840.4	482.6	240.3	149.9	115.0	88.3	67.8	55.4	47.2	45.2
55°	9434.1	6672.1	445.6	209.5	127.3	98.6	71.9	55.4	45.2	39.0	34.9
57.5°	10477.4	7421.6	443.6	178.7	108.8	84.2	59.6	47.2	39.0	30.8	28.8
60°	11493.9	8048.0	416.9	147.9	94.5	69.8	51.3	39.0	32.9	26.7	24.6
62.5°	12415.9	8557.3	349.1	119.1	80.1	57.5	43.1	34.9	28.8	22.6	22.6
65°	13574.2	9206.2	267.0	96.5	65.7	47.2	37.0	30.8	26.7	20.5	20.5
67.5°	14771.4	9549.1	191.0	80.1	53.4	41.1	32.9	28.8	22.6	18.5	18.5
70°	13379.1	8068.5	137.6	65.7	45.2	34.9	28.8	26.7	22.6	18.5	16.4
72.5°	10448.6	5817.8	102.7	51.3	39.0	32.9	26.7	24.6	20.5	16.4	16.4
75°	7748.2	3392.5	78.0	41.1	30.8	26.7	26.7	24.6	20.5	16.4	14.4
77.5°	4211.9	1182.9	59.6	32.9	24.6	20.5	22.6	22.6	18.5	14.4	12.3
80°	1115.1	324.5	41.1	24.6	20.5	16.4	16.4	20.5	16.4	12.3	12.3
82.5°	324.5	94.5	28.8	20.5	16.4	14.4	14.4	14.4	12.3	10.3	8.2
85°	158.1	34.9	20.5	16.4	14.4	12.3	10.3	10.3	8.2	6.2	6.2
87.5°	69.8	14.4	16.4	14.4	14.4	10.3	8.2	6.2	6.2	4.1	2.1
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)