

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: P636276

Luminaire Tested: GWS-SA3F-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636276
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23957.2 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

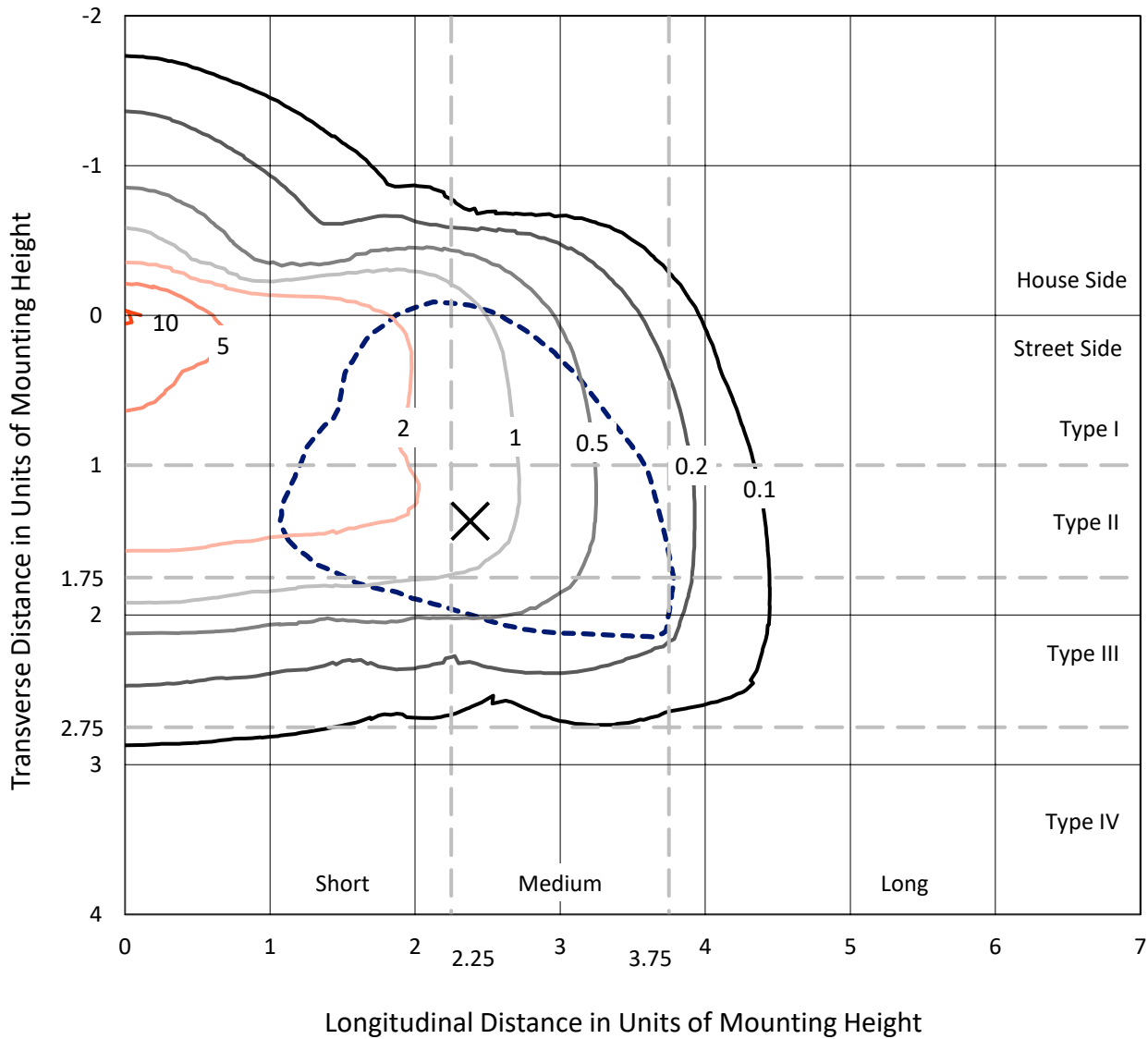
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

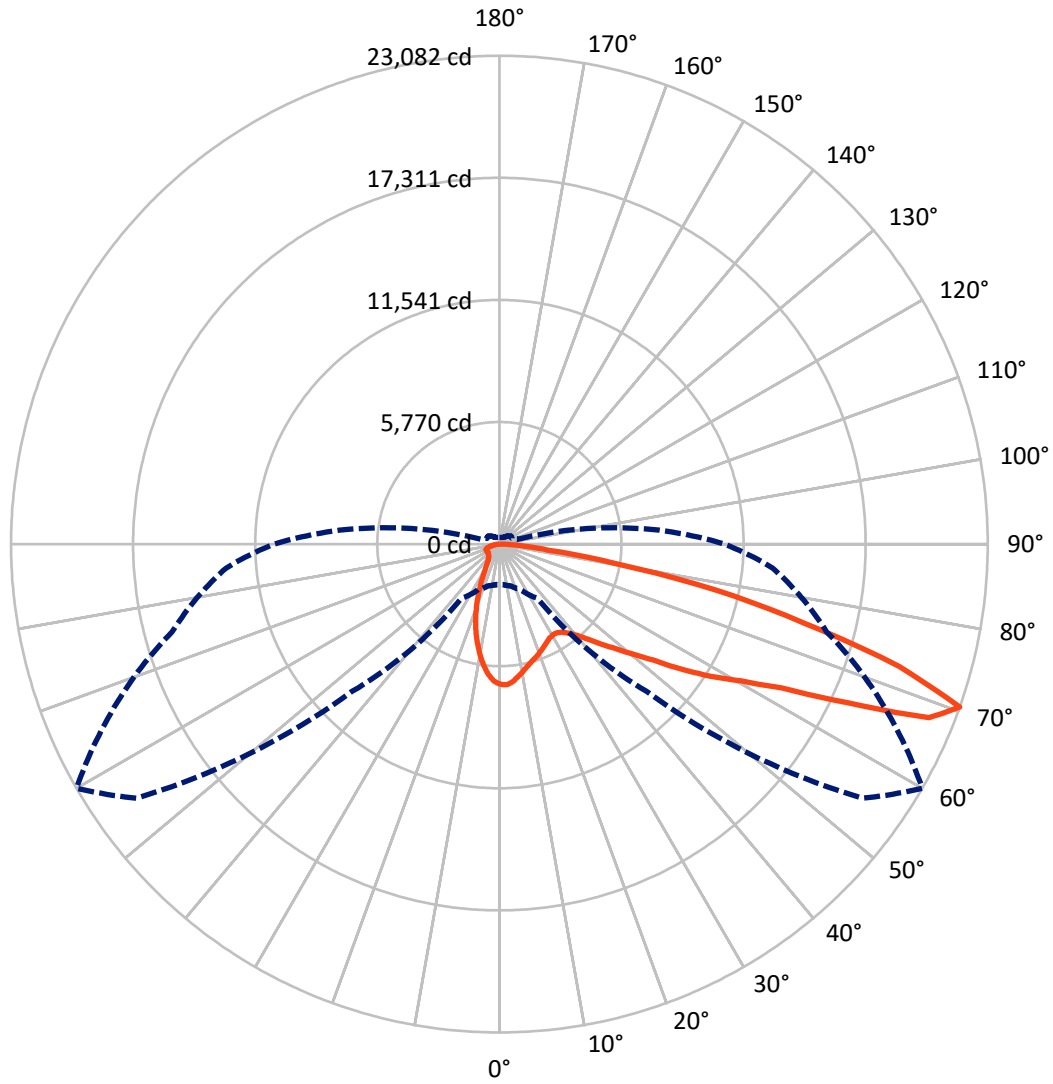
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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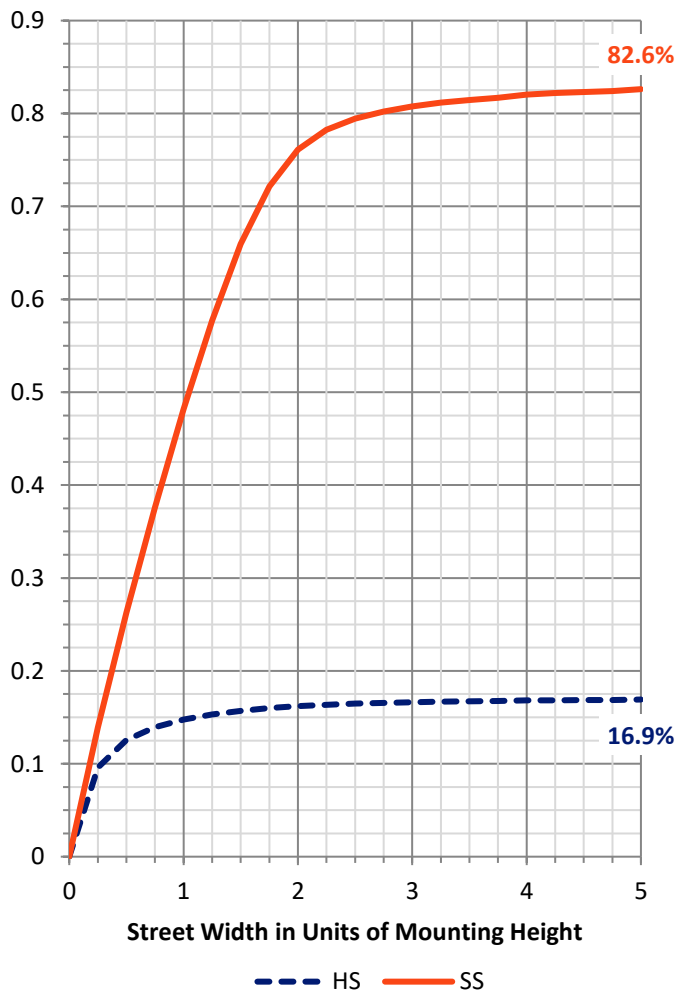
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4097.2	0.0	4097.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	19860.0	0.0	19860.0
	% Fixture	82.9	0.0	82.9
Total	Lumens	23957.2	0.0	23957.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.4	2.4
10°-20°	1280.2	5.3
20°-30°	1639.5	6.8
30°-40°	2154.6	9.0
40°-50°	3126.0	13.0
50°-60°	4877.3	20.4
60°-70°	6385.4	26.7
70°-80°	3530.9	14.7
80°-90°	391.9	1.6
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°	23957.2	100.0
0°-180°	23957.2	100.0

Coefficient of Utilization



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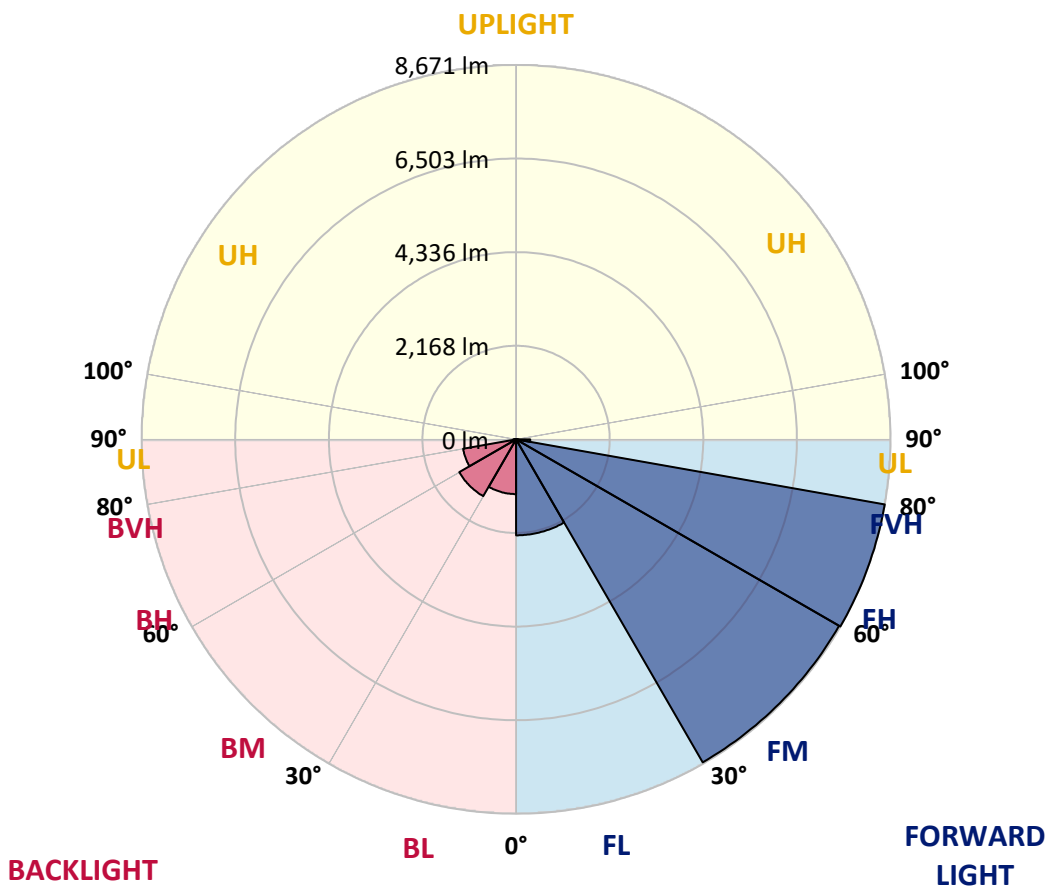
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2223.4	9.3			
FM (30°-60°)	8638.9	36.1			
FH (60°-80°)	8671.2	36.2			G4/12000
FVH (80°-90°)	326.5	1.4			G3/500
BL (0°-30°)	1267.6	5.3	B3/2500		
BM (30°-60°)	1519.1	6.3	B2/2500		
BH (60°-80°)	1245.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	65.3	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3
2.5°	6536.4	6543.4	6562.7	6590.7	6618.8	6632.8	6667.8	6657.3	6650.3	6636.3	6618.8
5°	6247.1	6261.2	6278.7	6333.0	6394.4	6443.5	6522.3	6531.1	6534.6	6541.6	6513.6
7.5°	5879.0	5882.6	5924.6	5996.5	6077.1	6161.3	6292.7	6329.5	6361.1	6396.1	6373.4
10°	5472.4	5481.2	5512.7	5616.1	5754.6	5879.0	6056.1	6117.4	6184.0	6261.2	6229.6
12.5°	5139.3	5141.1	5191.9	5302.4	5453.1	5621.4	5842.2	5915.9	6003.5	6124.4	6096.4
15°	4874.7	4874.7	4922.0	5016.6	5190.2	5388.3	5651.2	5745.8	5865.0	6028.0	5979.0
17.5°	4664.3	4666.1	4695.9	4795.8	4950.0	5169.1	5481.2	5609.1	5740.6	5956.2	5882.6
20°	4553.9	4545.1	4550.4	4611.7	4743.2	4955.3	5311.1	5460.1	5637.2	5907.1	5794.9
22.5°	4548.6	4532.9	4510.1	4515.3	4592.5	4767.7	5128.8	5309.4	5532.0	5866.8	5705.5
25°	4638.0	4620.5	4580.2	4534.6	4527.6	4632.8	4957.1	5162.1	5423.3	5849.3	5619.6
27.5°	4788.8	4776.5	4723.9	4655.6	4583.7	4580.2	4827.3	5041.2	5344.4	5866.8	5558.3
30°	4988.6	4967.6	4934.3	4846.6	4737.9	4625.8	4776.5	4976.3	5291.8	5922.9	5532.0
32.5°	5214.7	5202.4	5170.9	5083.3	4967.6	4788.8	4816.8	4990.4	5291.8	6021.0	5537.2
35°	5454.9	5453.1	5453.1	5395.3	5267.3	5044.7	4976.3	5109.5	5372.5	6178.8	5593.3
37.5°	5688.0	5686.2	5742.3	5763.4	5617.9	5377.7	5248.0	5347.9	5549.5	6411.9	5731.8
40°	5877.3	5884.3	6007.0	6112.2	6031.5	5808.9	5626.6	5677.5	5837.0	6743.2	5973.7
42.5°	6068.4	6087.6	6271.7	6457.5	6489.0	6296.2	6112.2	6142.0	6248.9	7181.4	6334.8
45°	6276.9	6285.7	6543.4	6802.8	6955.3	6841.4	6690.6	6730.9	6755.5	7723.0	6872.9
47.5°	6478.5	6501.3	6834.4	7190.2	7479.4	7468.9	7384.7	7372.5	7377.7	8382.1	7509.2
50°	6753.7	6787.0	7177.9	7607.4	8031.5	8226.1	8250.7	8157.7	8119.2	9114.8	8301.5
52.5°	7276.1	7276.1	7626.6	8049.1	8618.7	9100.8	9265.5	9113.1	8990.4	9889.6	9142.8
55°	7929.9	7957.9	8236.6	8578.4	9300.6	10021.0	10578.4	10410.2	10063.1	10732.7	10024.5
57.5°	8220.9	8255.9	8697.6	9228.7	10192.8	11067.5	11840.5	11780.9	11274.3	11609.1	10939.5
60°	7695.0	7768.6	8376.9	9267.3	11000.9	12755.5	13300.6	13127.1	12403.1	12529.4	11931.6
62.5°	6418.9	6499.6	7174.4	8417.2	10888.7	14580.2	15602.1	14962.3	13812.4	13691.5	13253.3
65°	3830.0	3826.5	4638.0	6285.7	9505.7	15086.8	19244.5	18050.8	15989.5	15286.6	14613.5
67.5°	2434.7	2429.4	2599.5	3330.4	6326.0	13845.7	21586.3	21896.6	18946.5	16459.2	14725.7
70°	1921.1	1919.4	2042.1	2375.1	3128.8	9852.8	20934.3	23081.5	20732.7	16012.3	12965.8
72.5°	1400.5	1404.0	1593.3	1989.5	2413.7	4946.5	16951.8	19749.3	19069.2	14135.0	10525.8
75°	1006.1	1011.4	1125.3	1523.2	2226.1	2704.6	11272.6	14850.1	14508.3	11330.4	7241.0
77.5°	639.8	646.8	746.7	1067.5	1798.4	2184.0	6834.4	10483.8	9652.9	6383.9	2574.9
80°	390.9	413.7	497.8	795.8	1437.3	1638.9	3416.3	5523.2	4834.4	1751.1	865.9
82.5°	201.6	219.1	299.7	492.6	990.4	1439.1	1933.4	2320.8	1496.9	732.7	461.0
85°	63.1	73.6	105.2	199.8	471.5	892.2	1279.6	1153.4	687.1	345.3	213.8
87.5°	15.8	15.8	17.5	17.5	19.3	40.3	247.2	261.2	182.3	108.7	87.6
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°	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3	6629.3
2.5°	6583.7	6541.6	6524.1	6522.3	6478.5	6415.4	6373.4	6343.6	6326.0	6322.5	6322.5
5°	6466.3	6411.9	6340.0	6285.7	6168.3	6049.1	5949.2	5893.1	5828.2	5819.5	5817.7
7.5°	6310.2	6231.4	6094.6	5942.2	5737.1	5539.0	5370.7	5256.8	5142.9	5121.8	5114.8
10°	6142.0	6035.1	5801.9	5533.7	5227.0	4930.8	4673.1	4471.5	4338.3	4243.6	4226.1
12.5°	5975.5	5833.5	5491.7	5092.0	4671.3	4266.4	3879.1	3549.5	3311.1	3172.7	3148.1
15°	5819.5	5621.4	5153.4	4643.3	4096.4	3542.5	2993.9	2566.2	2231.4	2112.2	2084.1
17.5°	5677.5	5430.3	4825.6	4178.8	3496.9	2773.0	2149.0	1768.6	1572.3	1512.7	1498.7
20°	5535.5	5234.0	4492.5	3689.7	2860.6	2049.1	1570.6	1391.8	1318.1	1295.4	1288.3
22.5°	5383.0	5018.4	4129.7	3207.7	2217.4	1533.7	1284.8	1206.0	1183.2	1184.9	1183.2
25°	5230.5	4799.3	3749.3	2683.6	1651.2	1244.5	1121.8	1092.0	1097.3	1113.1	1116.6
27.5°	5104.3	4604.7	3376.0	2108.7	1290.1	1071.0	1013.1	1011.4	1030.7	1051.7	1055.2
30°	5013.1	4431.2	3007.9	1621.4	1062.2	951.8	929.0	939.5	962.3	978.1	983.3
32.5°	4948.3	4282.2	2615.2	1274.3	930.8	867.7	857.1	867.7	881.7	897.5	901.0
35°	4925.5	4173.5	2229.6	1039.4	841.4	806.3	799.3	804.6	811.6	820.3	823.8
37.5°	4976.3	4119.2	1826.5	904.5	787.0	766.0	755.5	752.0	753.7	757.2	759.0
40°	5127.1	4143.7	1496.9	825.6	752.0	732.7	715.2	708.2	706.4	709.9	708.2
42.5°	5386.5	4247.1	1258.5	780.0	723.9	695.9	676.6	669.6	669.6	678.4	678.4
45°	5766.9	4450.5	1086.8	746.7	699.4	664.3	643.3	639.8	646.8	660.8	662.6
47.5°	6324.3	4748.5	983.3	722.2	676.6	636.3	615.2	613.5	627.5	650.3	652.1
50°	6985.1	5177.9	927.3	704.6	660.8	613.5	592.5	594.2	610.0	634.5	639.8
52.5°	7780.9	5763.4	930.8	697.6	652.1	599.5	578.4	574.9	590.7	615.2	620.5
55°	8603.0	6475.0	999.1	699.4	639.8	592.5	564.4	552.1	566.2	583.7	585.5
57.5°	9507.4	7277.8	1169.1	695.9	624.0	585.5	552.1	524.1	532.9	543.4	548.6
60°	10527.6	8222.6	1535.5	702.9	617.0	569.7	527.6	490.8	489.0	496.1	497.8
62.5°	11891.3	9507.4	1947.4	715.2	632.8	550.4	490.8	452.2	445.2	448.7	450.5
65°	12934.3	10120.9	1817.7	704.6	666.1	536.4	455.7	415.4	401.4	397.9	397.9
67.5°	12510.1	9309.4	1265.6	676.6	681.9	538.1	427.7	376.9	359.3	350.6	348.8
70°	10645.0	7561.8	879.9	648.6	664.3	534.6	397.9	345.3	322.5	310.3	308.5
72.5°	8410.2	5773.9	711.7	592.5	603.0	482.0	354.1	310.3	291.0	275.2	275.2
75°	5412.8	3523.2	594.2	527.6	492.6	375.1	306.7	276.9	257.7	241.9	241.9
77.5°	1821.2	1307.6	461.0	447.0	368.1	282.2	257.7	238.4	222.6	208.6	206.8
80°	739.7	620.5	338.3	338.3	257.7	215.6	201.6	192.8	182.3	164.8	164.8
82.5°	429.4	376.9	236.6	205.1	171.8	149.0	140.2	131.5	131.5	119.2	119.2
85°	206.8	208.6	142.0	126.2	98.2	85.9	82.4	77.1	75.4	68.4	66.6
87.5°	112.2	113.9	71.9	56.1	38.6	33.3	28.0	26.3	24.5	22.8	22.8
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)