

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: P642216

Luminaire Tested: GWS-SA6C-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642216
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-SA6C-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27821.7 lumens
Efficiency: N/A
Efficacy: 147.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

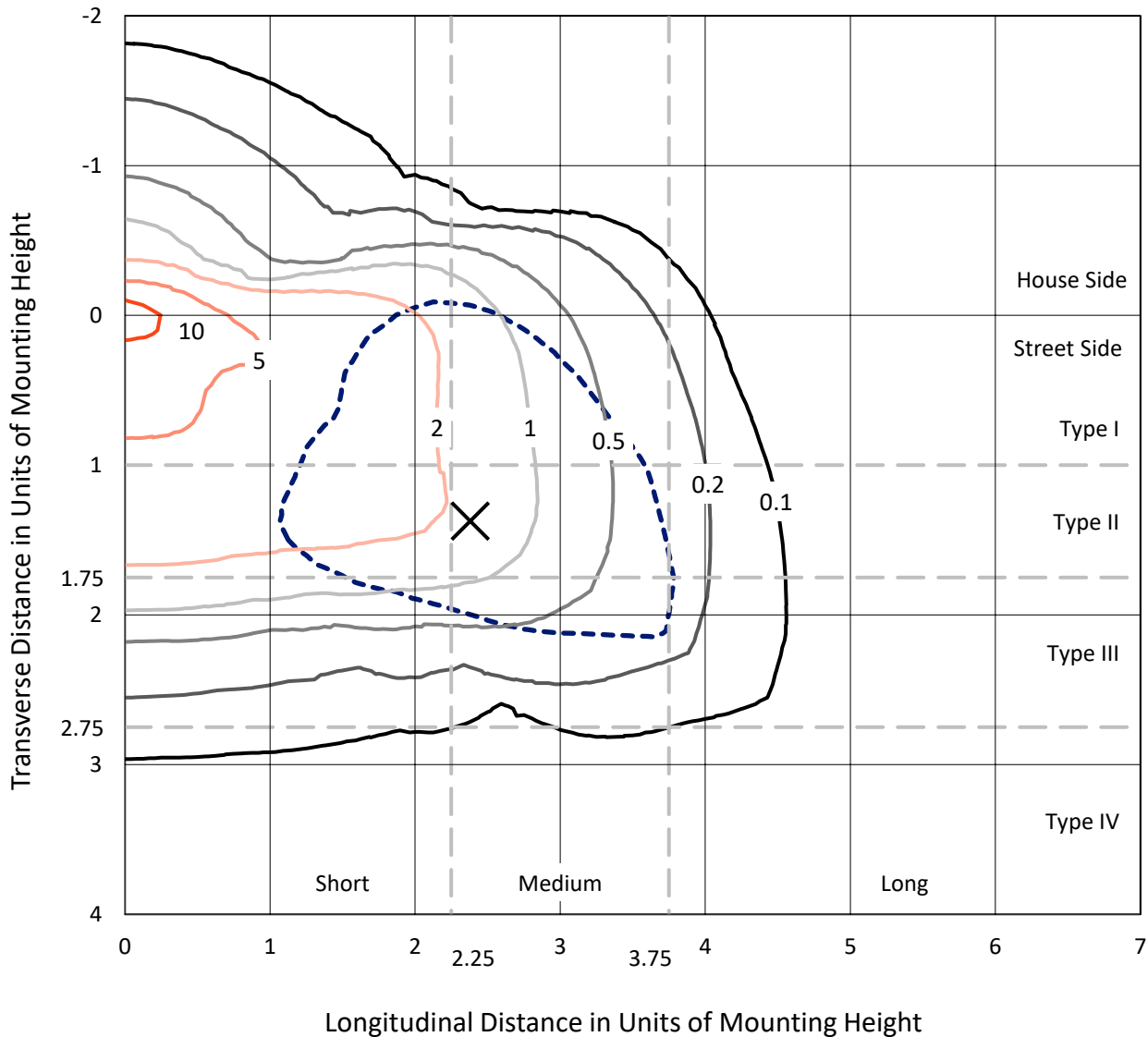
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

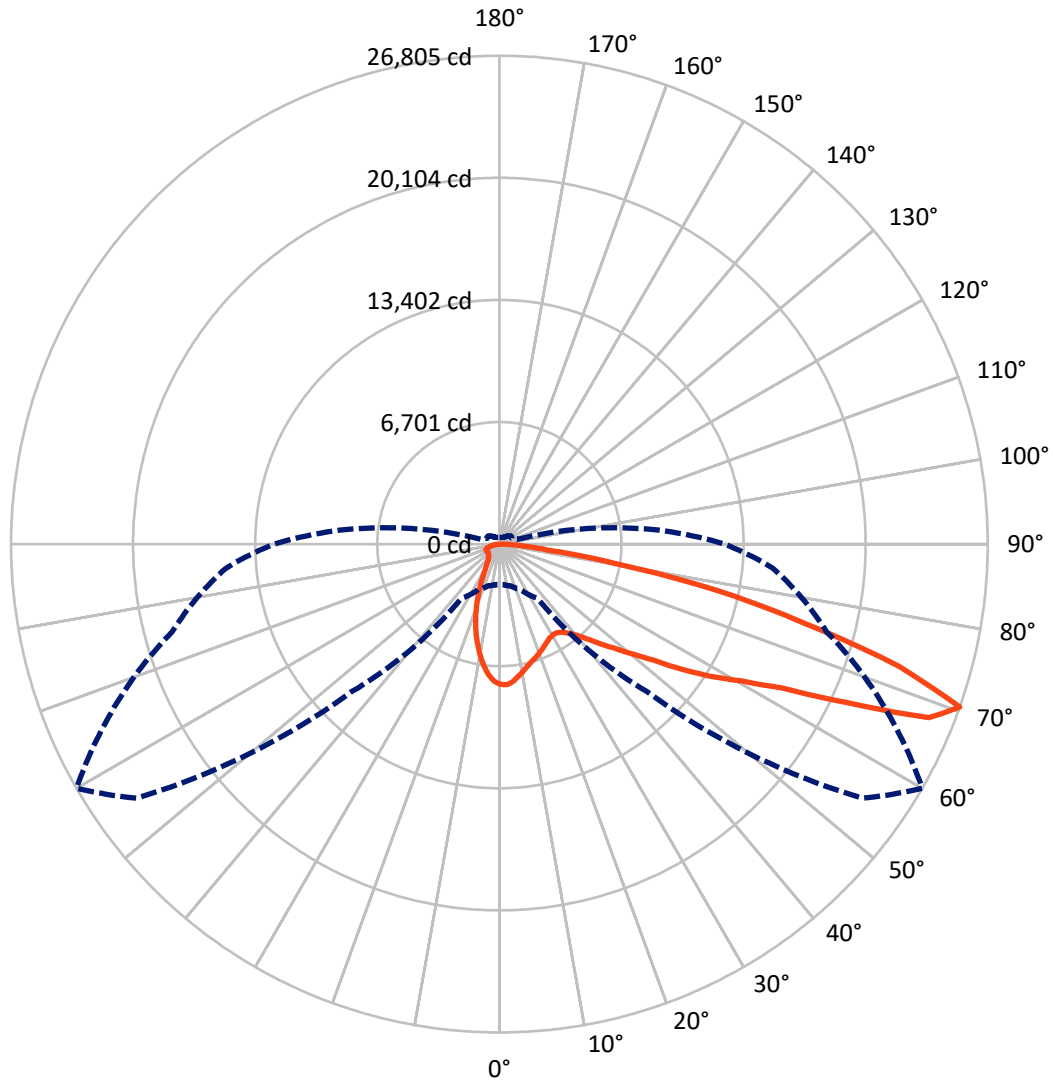
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 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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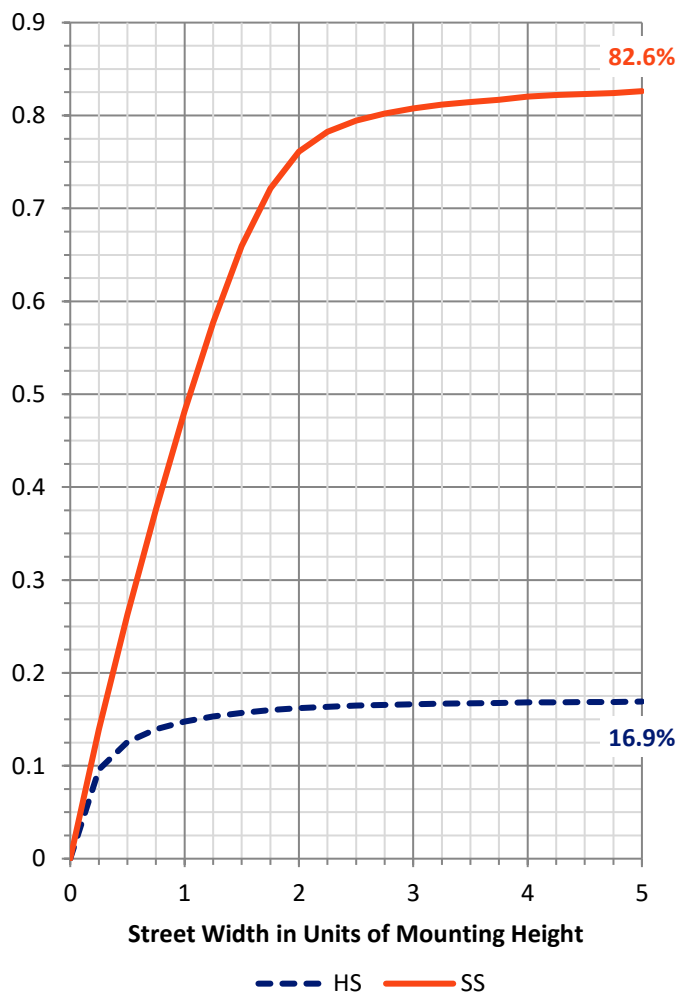
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4758.2	0.0	4758.2
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	23063.5	0.0	23063.5
	% Fixture	82.9	0.0	82.9
Total	Lumens	27821.7	0.0	27821.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.6	2.4
10°-20°	1486.7	5.3
20°-30°	1903.9	6.8
30°-40°	2502.2	9.0
40°-50°	3630.3	13.0
50°-60°	5664.1	20.4
60°-70°	7415.4	26.7
70°-80°	4100.5	14.7
80°-90°	455.1	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°	27821.7	100.0
0°-180°	27821.7	100.0

Coefficient of Utilization



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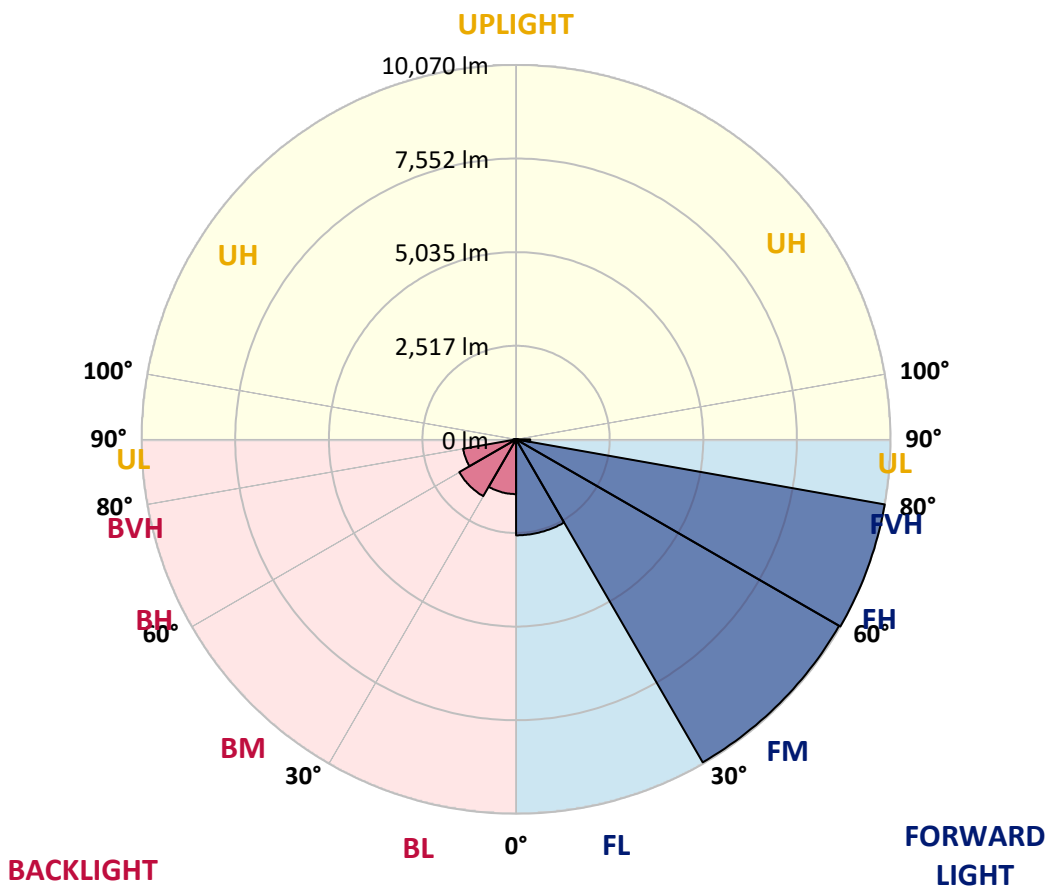
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2582.0	9.3			
FM (30°-60°)	10032.4	36.1			
FH (60°-80°)	10069.9	36.2			G4/12000
FVH (80°-90°)	379.2	1.4			G3/500
BL (0°-30°)	1472.1	5.3	B3/2500		
BM (30°-60°)	1764.2	6.3	B2/2500		
BH (60°-80°)	1446.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	75.9	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°	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6
2.5°	7590.7	7598.9	7621.3	7653.8	7686.4	7702.7	7743.4	7731.2	7723.1	7706.8	7686.4
5°	7254.9	7271.1	7291.5	7354.6	7425.9	7482.9	7574.5	7584.6	7588.7	7596.8	7564.3
7.5°	6827.4	6831.5	6880.3	6963.8	7057.4	7155.1	7307.8	7350.5	7387.2	7427.9	7401.4
10°	6355.1	6365.3	6401.9	6522.0	6682.9	6827.4	7033.0	7104.2	7181.6	7271.1	7234.5
12.5°	5968.4	5970.4	6029.4	6157.7	6332.7	6528.2	6784.6	6870.1	6971.9	7112.4	7079.8
15°	5661.0	5661.0	5716.0	5825.9	6027.4	6257.4	6562.8	6672.7	6811.1	7000.4	6943.4
17.5°	5416.7	5418.8	5453.4	5569.4	5748.5	6003.0	6365.3	6513.9	6666.6	6917.0	6831.5
20°	5288.5	5278.3	5284.4	5355.7	5508.3	5754.6	6167.9	6340.9	6546.5	6860.0	6729.7
22.5°	5282.4	5264.1	5237.6	5243.7	5333.3	5536.8	5956.2	6165.8	6424.3	6813.1	6625.9
25°	5386.2	5365.8	5319.0	5266.1	5257.9	5380.1	5756.7	5994.8	6298.1	6792.8	6526.1
27.5°	5561.2	5547.0	5485.9	5406.5	5323.1	5319.0	5606.0	5854.4	6206.5	6813.1	6454.9
30°	5793.3	5768.9	5730.2	5628.4	5502.2	5371.9	5547.0	5779.1	6145.5	6878.3	6424.3
32.5°	6055.9	6041.6	6005.0	5903.2	5768.9	5561.2	5593.8	5795.3	6145.5	6992.3	6430.4
35°	6334.8	6332.7	6332.7	6265.6	6117.0	5858.4	5779.1	5933.8	6239.1	7175.5	6495.6
37.5°	6605.5	6603.5	6668.6	6693.0	6524.1	6245.2	6094.6	6210.6	6444.7	7446.2	6656.4
40°	6825.4	6833.5	6976.0	7098.1	7004.5	6746.0	6534.3	6593.3	6778.5	7830.9	6937.3
42.5°	7047.2	7069.6	7283.4	7499.1	7535.8	7311.9	7098.1	7132.7	7256.9	8339.8	7356.6
45°	7289.5	7299.6	7598.9	7900.1	8077.2	7944.9	7769.9	7816.7	7845.2	8968.8	7981.6
47.5°	7523.6	7550.0	7936.8	8350.0	8685.9	8673.7	8576.0	8561.7	8567.8	9734.2	8720.5
50°	7843.2	7881.8	8335.8	8834.5	9327.1	9553.1	9581.6	9473.7	9428.9	10585.1	9640.6
52.5°	8449.8	8449.8	8856.9	9347.5	10009.0	10568.8	10760.2	10583.1	10440.6	11484.8	10617.7
55°	9209.0	9241.6	9565.3	9962.2	10800.9	11637.5	12284.8	12089.4	11686.4	12464.0	11641.6
57.5°	9546.9	9587.7	10100.6	10717.4	11837.0	12852.8	13750.5	13681.2	13093.0	13481.8	12704.2
60°	8936.3	9021.8	9728.1	10762.2	12775.4	14813.0	15446.1	15244.6	14403.9	14550.4	13856.3
62.5°	7454.4	7548.0	8331.7	9774.9	12645.1	16932.1	18118.8	17375.8	16040.5	15900.0	15391.1
65°	4447.8	4443.7	5386.2	7299.6	11039.0	17520.4	22348.8	20962.6	18568.7	17752.4	16970.8
67.5°	2827.4	2821.3	3018.8	3867.6	7346.5	16079.2	25068.4	25428.7	22002.8	19114.2	17101.0
70°	2231.0	2229.0	2371.5	2758.2	3633.5	11442.1	24311.1	26804.7	24077.0	18595.2	15057.3
72.5°	1626.4	1630.5	1850.4	2310.4	2803.0	5744.5	19686.2	22935.1	22145.2	16415.0	12223.8
75°	1168.4	1174.5	1306.9	1768.9	2585.2	3140.9	13090.9	17245.6	16848.6	13158.1	8409.0
77.5°	743.0	751.1	867.2	1239.7	2088.5	2536.4	7936.8	12174.9	11210.0	7413.6	2990.3
80°	453.9	480.4	578.1	924.2	1669.2	1903.3	3967.4	6414.2	5614.2	2033.6	1005.6
82.5°	234.1	254.4	348.1	572.0	1150.1	1671.2	2245.3	2695.1	1738.4	850.9	535.4
85°	73.3	85.5	122.1	232.1	547.6	1036.1	1486.0	1339.4	798.0	401.0	248.3
87.5°	18.3	18.3	20.4	20.4	22.4	46.8	287.0	303.3	211.7	126.2	101.8
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°	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6	7698.6
2.5°	7645.7	7596.8	7576.5	7574.5	7523.6	7450.3	7401.4	7366.8	7346.5	7342.4	7342.4
5°	7509.3	7446.2	7362.8	7299.6	7163.3	7024.8	6908.8	6843.7	6768.4	6758.2	6756.1
7.5°	7328.1	7236.5	7077.8	6900.7	6662.5	6432.5	6237.1	6104.8	5972.4	5948.0	5939.9
10°	7132.7	7008.6	6737.8	6426.4	6070.1	5726.1	5426.9	5192.8	5038.1	4928.2	4907.8
12.5°	6939.3	6774.5	6377.5	5913.4	5424.9	4954.6	4504.8	4122.1	3845.2	3684.4	3655.9
15°	6758.2	6528.2	5984.7	5392.3	4757.2	4113.9	3476.8	2980.1	2591.3	2452.9	2420.3
17.5°	6593.3	6306.3	5604.0	4852.9	4061.0	3220.3	2495.6	2053.9	1825.9	1756.7	1740.4
20°	6428.4	6078.3	5217.2	4284.9	3322.1	2379.6	1823.9	1616.3	1530.8	1504.3	1496.2
22.5°	6251.3	5827.9	4795.9	3725.1	2575.0	1781.1	1492.1	1400.5	1374.0	1376.1	1374.0
25°	6074.2	5573.5	4354.1	3116.5	1917.5	1445.3	1302.8	1268.2	1274.3	1292.6	1296.7
27.5°	5927.7	5347.5	3920.6	2448.8	1498.2	1243.7	1176.6	1174.5	1196.9	1221.4	1225.4
30°	5821.8	5146.0	3493.1	1882.9	1233.6	1105.3	1078.9	1091.1	1117.5	1135.9	1142.0
32.5°	5746.5	4973.0	3037.1	1479.9	1080.9	1007.6	995.4	1007.6	1023.9	1042.2	1046.3
35°	5720.0	4846.8	2589.3	1207.1	977.1	936.4	928.2	934.3	942.5	952.7	956.7
37.5°	5779.1	4783.7	2121.1	1050.4	914.0	889.6	877.3	873.3	875.3	879.4	881.4
40°	5954.1	4812.1	1738.4	958.8	873.3	850.9	830.5	822.4	820.3	824.4	822.4
42.5°	6255.4	4932.2	1461.6	905.8	840.7	808.1	785.7	777.6	777.6	787.8	787.8
45°	6697.1	5168.4	1262.1	867.2	812.2	771.5	747.1	743.0	751.1	767.4	769.5
47.5°	7344.4	5514.4	1142.0	838.7	785.7	738.9	714.5	712.5	728.7	755.2	757.2
50°	8111.9	6013.2	1076.8	818.3	767.4	712.5	688.0	690.1	708.4	736.9	743.0
52.5°	9036.0	6693.0	1080.9	810.2	757.2	696.2	671.7	667.7	686.0	714.5	720.6
55°	9990.7	7519.5	1160.3	812.2	743.0	688.0	655.5	641.2	657.5	677.9	679.9
57.5°	11041.1	8451.8	1357.7	808.1	724.7	679.9	641.2	608.6	618.8	631.0	637.1
60°	12225.8	9549.0	1783.2	816.3	716.5	661.6	612.7	570.0	567.9	576.1	578.1
62.5°	13809.5	11041.1	2261.5	830.5	734.9	639.2	570.0	525.2	517.0	521.1	523.1
65°	15020.7	11753.5	2110.9	818.3	773.5	622.9	529.3	482.4	466.2	462.1	462.1
67.5°	14528.0	10811.1	1469.7	785.7	791.8	624.9	496.7	437.7	417.3	407.1	405.1
70°	12362.2	8781.6	1021.9	753.2	771.5	620.9	462.1	401.0	374.5	360.3	358.3
72.5°	9766.8	6705.3	826.5	688.0	700.2	559.8	411.2	360.3	337.9	319.6	319.6
75°	6285.9	4091.5	690.1	612.7	572.0	435.6	356.2	321.6	299.2	280.9	280.9
77.5°	2115.0	1518.6	535.4	519.1	427.5	327.7	299.2	276.8	258.5	242.2	240.2
80°	859.0	720.6	392.9	392.9	299.2	250.4	234.1	223.9	211.7	191.3	191.3
82.5°	498.7	437.7	274.8	238.2	199.5	173.0	162.8	152.7	152.7	138.4	138.4
85°	240.2	242.2	164.9	146.6	114.0	99.7	95.7	89.6	87.5	79.4	77.4
87.5°	130.3	132.3	83.5	65.1	44.8	38.7	32.6	30.5	28.5	26.5	26.5
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)