

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: P642622

Luminaire Tested: GWS-SA6D-730-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27841.2 lumens
Efficiency: N/A
Efficacy: 113.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

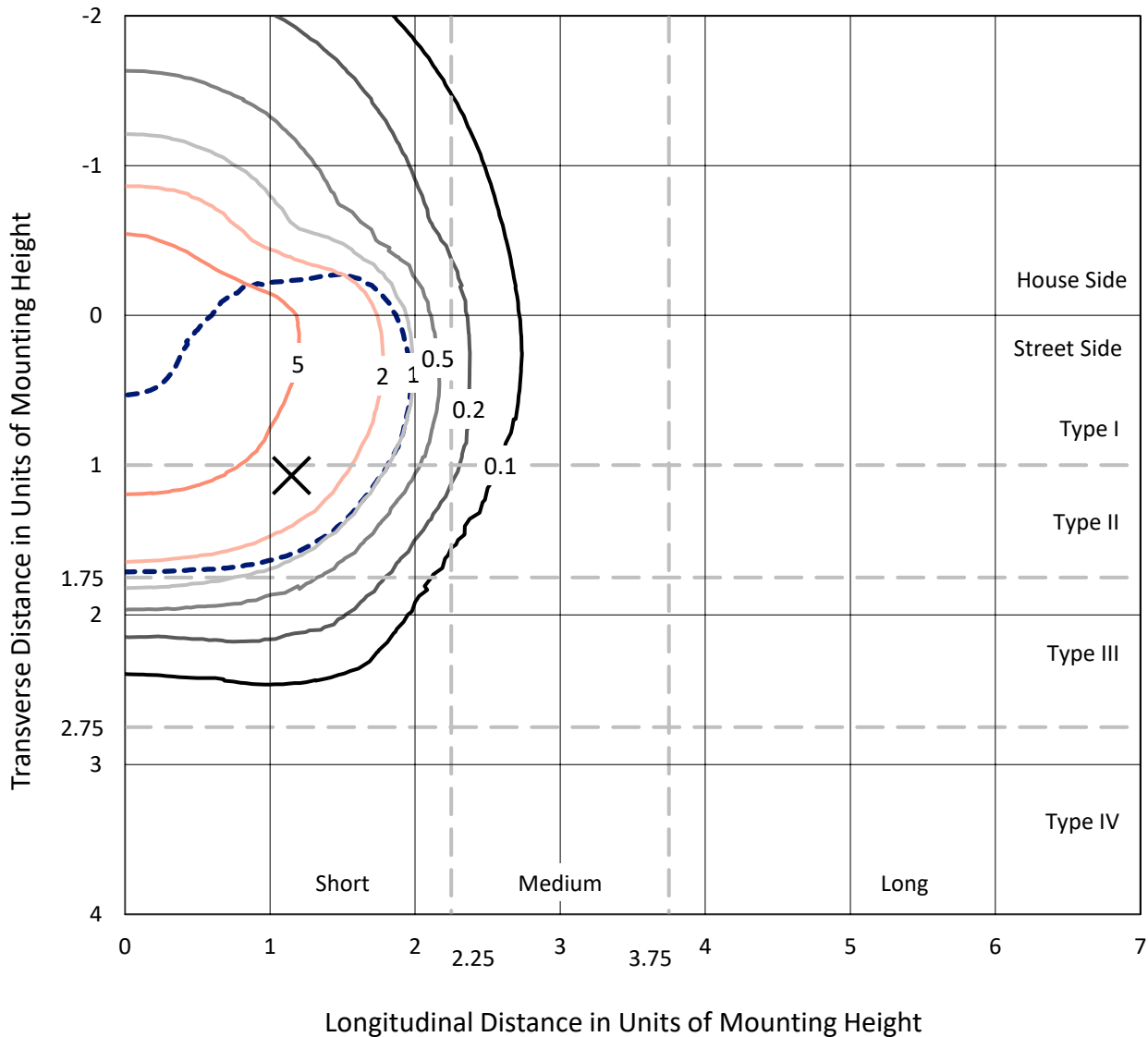
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

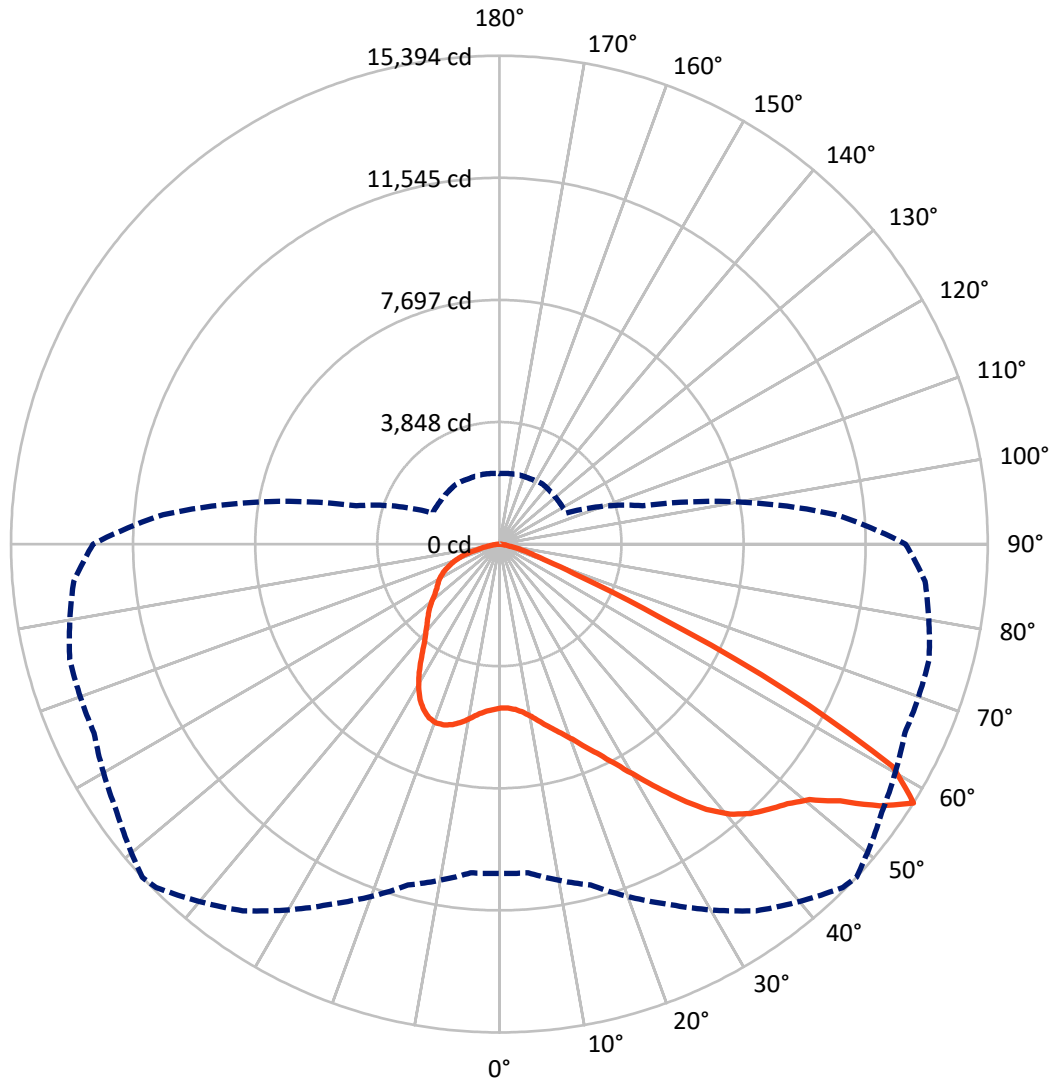
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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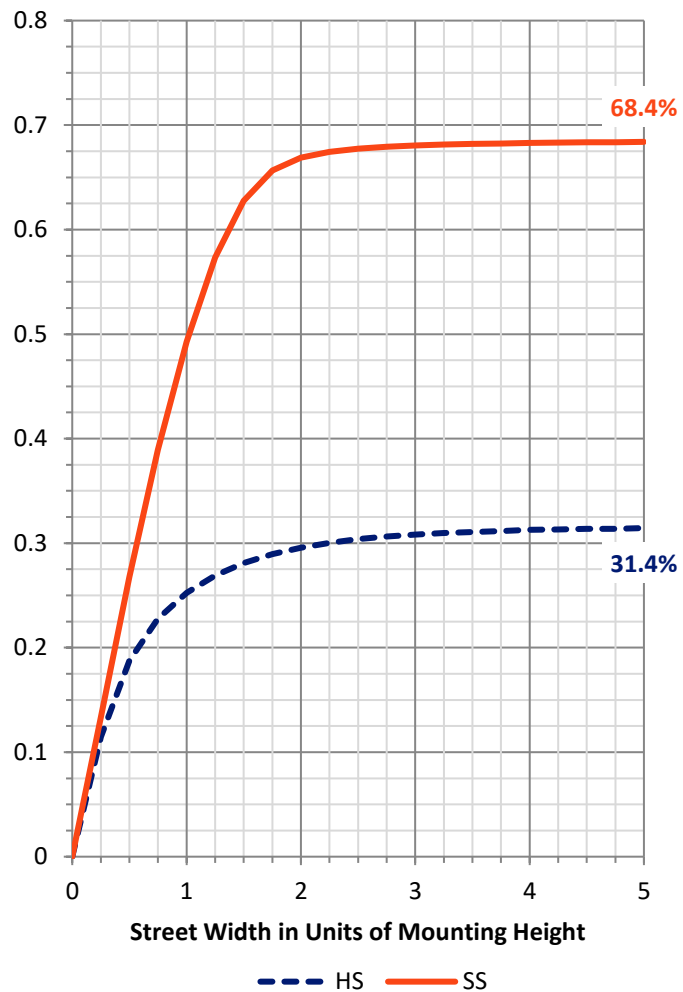
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8811.7	0.0	8811.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	19029.5	0.0	19029.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	27841.2	0.0	27841.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.3	1.8
10°-20°	1675.0	6.0
20°-30°	3015.9	10.8
30°-40°	4555.3	16.4
40°-50°	6134.2	22.0
50°-60°	7371.1	26.5
60°-70°	3589.8	12.9
70°-80°	884.4	3.2
80°-90°	106.3	0.4
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°	27841.2	100.0
0°-180°	27841.2	100.0

Coefficient of Utilization



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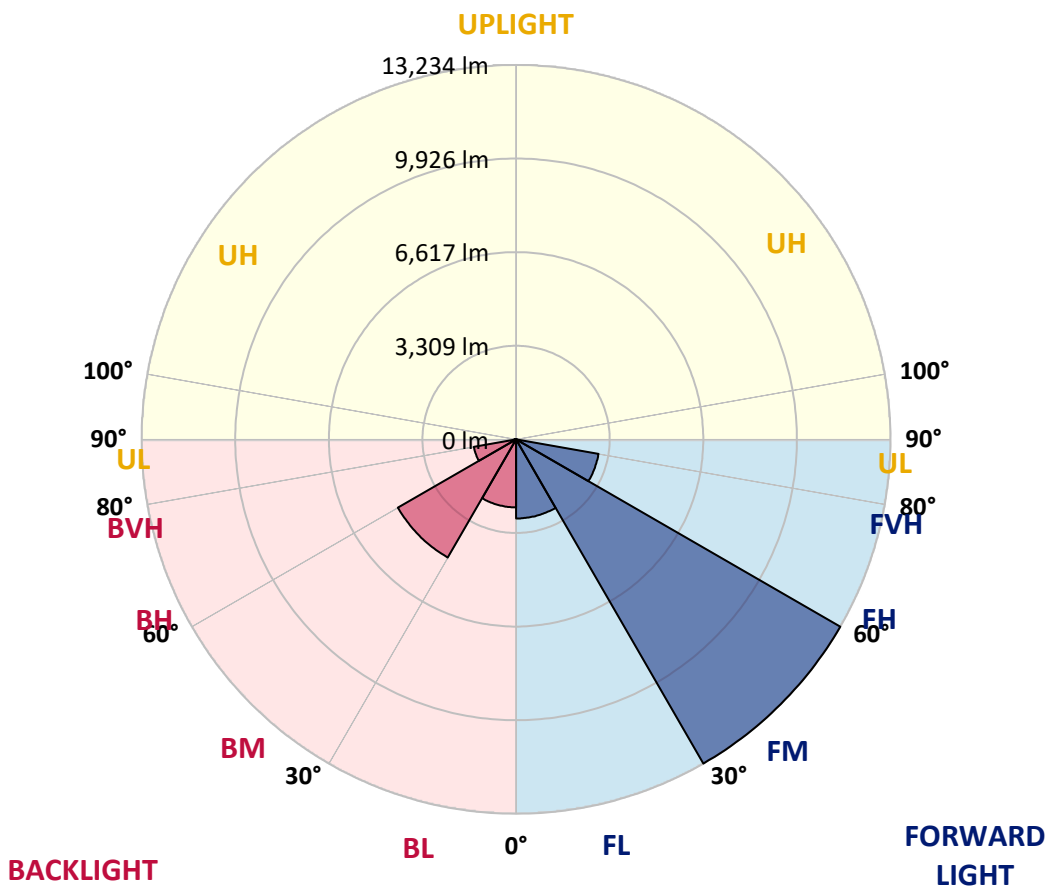
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2796.5	10.0			
FM (30°-60°)	13234.4	47.5			
FH (60°-80°)	2958.7	10.6			G2/5000
FVH (80°-90°)	39.9	0.1			G1/100
BL (0°-30°)	2403.7	8.6	B3/2500		
BM (30°-60°)	4826.1	17.3	B3/5000		
BH (60°-80°)	1515.6	5.4	B3/2500		G3/2500
BVH (80°-90°)	66.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2
2.5°	5153.8	5151.5	5151.5	5165.5	5165.5	5170.2	5177.2	5184.2	5186.6	5174.9	5149.2
5°	5210.0	5210.0	5210.0	5221.7	5221.7	5226.3	5235.7	5238.0	5235.7	5217.0	5191.3
7.5°	5298.8	5298.8	5301.2	5315.2	5326.9	5333.9	5350.3	5347.9	5340.9	5310.5	5277.8
10°	5443.8	5450.8	5457.8	5474.2	5497.6	5514.0	5525.6	5525.6	5516.3	5469.5	5427.4
12.5°	5649.6	5658.9	5665.9	5680.0	5698.7	5726.7	5752.5	5752.5	5740.8	5682.3	5619.2
15°	5890.4	5899.8	5897.4	5902.1	5937.2	5977.0	5998.0	6012.0	6016.7	5934.9	5836.7
17.5°	6166.4	6175.7	6166.4	6152.3	6157.0	6220.1	6257.6	6309.0	6339.4	6229.5	6072.8
20°	6416.6	6407.2	6407.2	6416.6	6430.6	6507.8	6563.9	6648.1	6685.5	6552.2	6309.0
22.5°	6680.8	6701.9	6692.5	6692.5	6748.6	6877.2	6945.1	7055.0	7094.7	6921.7	6594.3
25°	7022.2	7040.9	7036.3	7040.9	7106.4	7288.8	7356.6	7560.1	7599.8	7351.9	6910.0
27.5°	7396.4	7426.8	7440.8	7436.1	7541.3	7779.9	7864.0	8147.0	8219.5	7833.6	7246.7
30°	7882.8	7915.5	7927.2	7922.5	8046.4	8371.5	8467.4	8790.1	8892.9	8404.2	7674.6
32.5°	8446.3	8479.0	8514.1	8528.2	8687.2	9019.2	9157.2	9491.6	9638.9	9063.6	8191.4
35°	9005.2	9033.2	9101.1	9211.0	9428.4	9767.5	9889.1	10218.8	10361.5	9748.8	8815.8
37.5°	9622.5	9641.2	9699.7	9851.7	10165.0	10487.7	10609.3	10925.0	10941.4	10410.6	9522.0
40°	10298.3	10298.3	10286.6	10436.3	10763.7	11088.7	11193.9	11376.3	11280.4	10920.3	10209.5
42.5°	10871.2	10861.9	10871.2	11011.5	11254.7	11519.0	11610.2	11575.1	11453.5	11310.8	10831.5
45°	11388.0	11395.0	11479.2	11586.8	11713.1	11869.7	11923.5	11724.7	11614.8	11624.2	11329.6
47.5°	11738.8	11745.8	11942.2	12122.3	12199.4	12248.5	12225.2	11949.2	11893.1	11998.3	11713.1
50°	11785.5	11823.0	12162.0	12531.5	12723.2	12730.3	12664.8	12328.1	12311.7	12430.9	11918.8
52.5°	11794.9	11832.3	12255.6	12922.0	13420.1	13525.3	13450.5	13099.7	12929.0	12809.8	12171.4
55°	11759.8	11801.9	12269.6	13183.9	14138.0	14558.9	14565.9	14070.2	13525.3	13445.8	12891.6
57.5°	10382.5	10398.9	11123.8	12517.5	14109.9	15302.5	15393.7	14720.2	14098.2	14023.4	13469.2
60°	7232.7	7298.2	8086.2	9926.5	11853.4	13955.6	14250.2	14053.8	13637.6	13092.7	11556.4
62.5°	3622.2	3678.3	4468.7	6208.5	8175.1	9835.3	10151.0	10359.1	10457.3	9872.7	7868.7
65°	1559.7	1601.8	2092.9	3243.4	4627.7	5429.8	5539.7	5789.9	6402.5	5712.7	4239.5
67.5°	1042.9	1071.0	1321.2	1978.3	2726.6	2778.0	2761.7	2815.4	2948.7	2434.3	1915.2
70°	799.7	823.1	991.5	1449.8	1959.6	1676.6	1587.8	1440.5	1564.4	1594.8	1552.7
72.5°	579.9	598.6	724.9	989.1	1227.7	1071.0	1057.0	1131.8	1300.2	1346.9	1321.2
75°	374.1	383.5	460.7	542.5	633.7	687.5	715.6	851.2	1021.9	1057.0	1026.6
77.5°	250.2	257.2	301.7	348.4	360.1	362.5	371.8	432.6	549.5	615.0	608.0
80°	131.0	131.0	147.3	147.3	168.4	201.1	210.5	250.2	304.0	336.7	339.1
82.5°	51.4	53.8	63.1	70.2	84.2	102.9	109.9	131.0	159.0	182.4	203.4
85°	21.0	23.4	25.7	30.4	37.4	46.8	49.1	56.1	74.8	93.5	105.2
87.5°	0.0	0.0	2.3	2.3	4.7	7.0	7.0	9.4	11.7	21.0	28.1
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°	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2	5163.2
2.5°	5179.6	5149.2	5179.6	5188.9	5214.6	5224.0	5207.6	5205.3	5205.3	5181.9	5174.9
5°	5214.6	5186.6	5217.0	5231.0	5268.4	5291.8	5296.5	5315.2	5326.9	5317.5	5315.2
7.5°	5301.2	5266.1	5298.8	5319.9	5369.0	5406.4	5422.8	5464.8	5495.2	5490.6	5488.2
10°	5453.2	5406.4	5443.8	5478.9	5532.7	5577.1	5579.4	5602.8	5633.2	5623.9	5619.2
12.5°	5628.5	5584.1	5626.2	5661.3	5724.4	5743.1	5712.7	5703.4	5708.0	5696.3	5687.0
15°	5843.7	5780.5	5817.9	5857.7	5892.8	5871.7	5806.3	5780.5	5778.2	5761.8	5752.5
17.5°	6058.8	5979.3	6007.4	6028.4	6012.0	5946.6	5864.7	5820.3	5799.2	5766.5	5757.1
20°	6271.6	6171.0	6166.4	6150.0	6075.2	5955.9	5846.0	5757.1	5703.4	5658.9	5642.6
22.5°	6514.8	6374.5	6304.3	6229.5	6065.8	5871.7	5705.7	5579.4	5492.9	5436.8	5418.1
25°	6776.7	6577.9	6432.9	6283.3	5972.3	5691.7	5460.2	5287.1	5184.2	5123.4	5102.4
27.5°	7036.3	6762.7	6545.2	6290.3	5785.2	5432.1	5121.1	4887.3	4784.4	4735.3	4718.9
30°	7387.0	7008.2	6678.5	6199.1	5539.7	5072.0	4683.8	4447.6	4379.8	4344.8	4330.7
32.5°	7791.6	7319.2	6856.2	6007.4	5226.3	4651.1	4241.9	4078.2	4031.4	3963.6	3961.3
35°	8324.7	7763.5	7024.6	5724.4	4831.1	4199.8	3902.8	3785.9	3701.7	3594.1	3584.8
37.5°	8946.7	8317.7	7115.8	5364.3	4370.5	3828.0	3650.2	3519.3	3383.7	3241.0	3222.3
40°	9589.8	8965.4	7122.8	4938.7	3919.2	3582.4	3432.8	3262.1	3093.7	2934.7	2913.6
42.5°	10265.6	9568.7	6998.8	4447.6	3549.7	3369.6	3217.6	3002.5	2813.1	2705.5	2693.8
45°	10868.9	10055.1	6718.2	3930.9	3276.1	3191.9	2997.8	2766.3	2665.8	2588.6	2572.2
47.5°	11343.6	10377.8	6339.4	3467.8	3054.0	3009.5	2757.0	2637.7	2560.5	2490.4	2474.0
50°	11577.4	10450.3	5846.0	3091.4	2848.2	2794.4	2621.3	2530.2	2478.7	2422.6	2408.6
52.5°	11867.4	10532.2	5420.4	2775.7	2647.1	2574.6	2509.1	2436.6	2399.2	2364.1	2352.4
55°	12533.8	10840.8	5195.9	2523.1	2455.3	2422.6	2413.2	2352.4	2340.7	2317.4	2296.3
57.5°	12805.1	10642.1	4665.1	2317.4	2303.3	2308.0	2331.4	2275.3	2263.6	2235.5	2221.5
60°	10298.3	8044.1	3159.2	2139.6	2177.1	2207.5	2230.8	2174.7	2158.3	2153.7	2135.0
62.5°	6599.0	4948.1	2205.1	1973.6	2029.7	2067.1	2081.2	2027.4	2015.7	2053.1	2055.5
65°	3435.1	2696.2	1788.9	1795.9	1842.7	1898.8	1926.8	1908.1	1903.5	1943.2	1945.6
67.5°	1753.8	1648.6	1559.7	1585.4	1622.9	1695.3	1760.8	1842.7	1870.7	1875.4	1877.7
70°	1494.2	1447.5	1403.0	1419.4	1459.2	1498.9	1562.1	1601.8	1555.0	1543.3	1538.7
72.5°	1272.1	1237.0	1216.0	1234.7	1255.7	1248.7	1230.0	1248.7	1255.7	1258.1	1260.4
75°	989.1	963.4	947.1	949.4	949.4	923.7	888.6	867.5	844.2	825.5	825.5
77.5°	605.6	610.3	626.7	624.4	622.0	612.7	577.6	558.9	502.8	486.4	486.4
80°	346.1	353.1	369.5	374.1	374.1	362.5	327.4	306.3	280.6	268.9	266.6
82.5°	210.5	219.8	229.2	233.8	236.2	222.1	191.7	175.4	161.3	149.7	149.7
85°	109.9	114.6	123.9	126.3	119.3	105.2	88.9	81.8	67.8	65.5	65.5
87.5°	30.4	32.7	37.4	30.4	28.1	21.0	11.7	9.4	4.7	2.3	2.3
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)