

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: P640312

Luminaire Tested: GWS-SA5D-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640312
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-SA5D-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26227.7 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

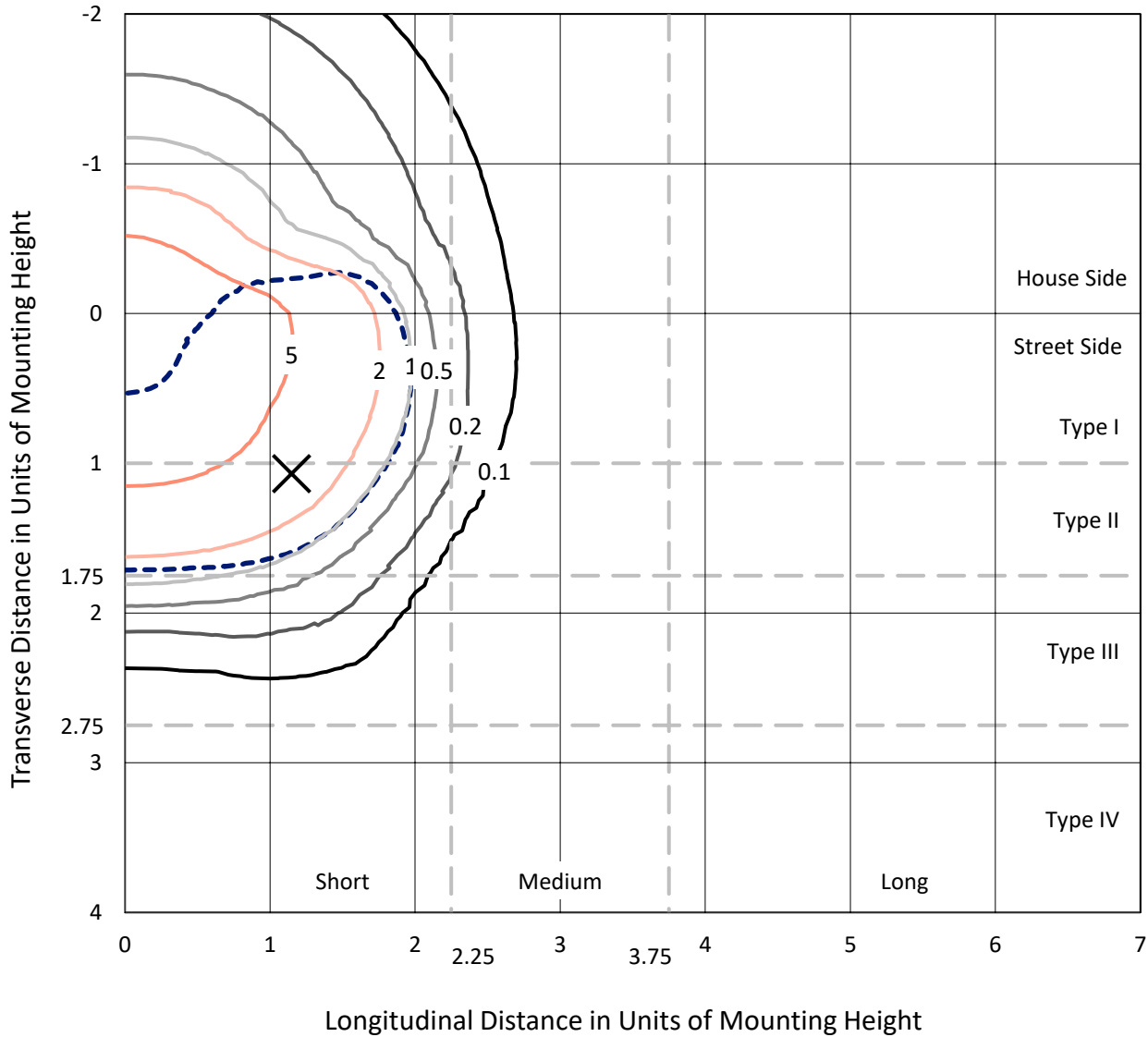
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

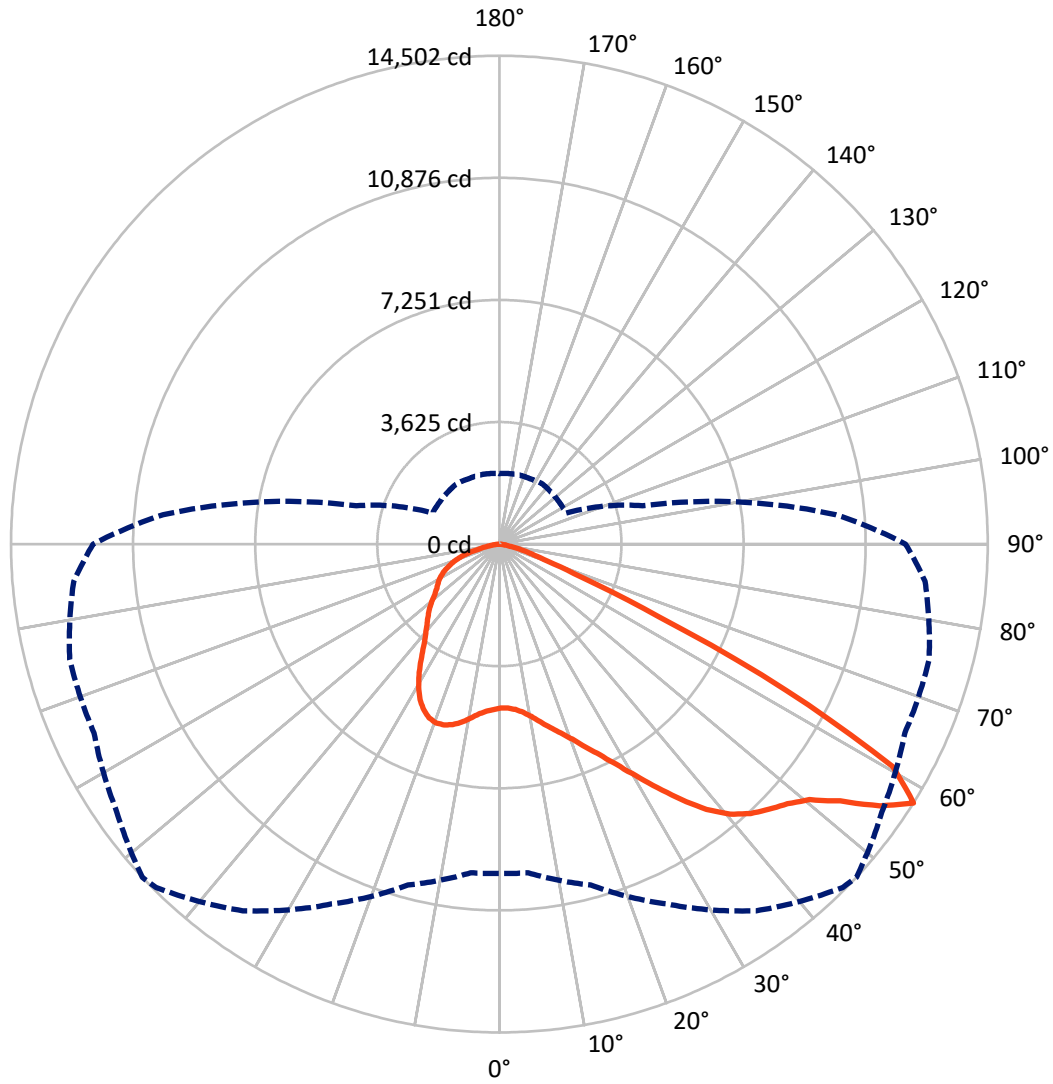
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 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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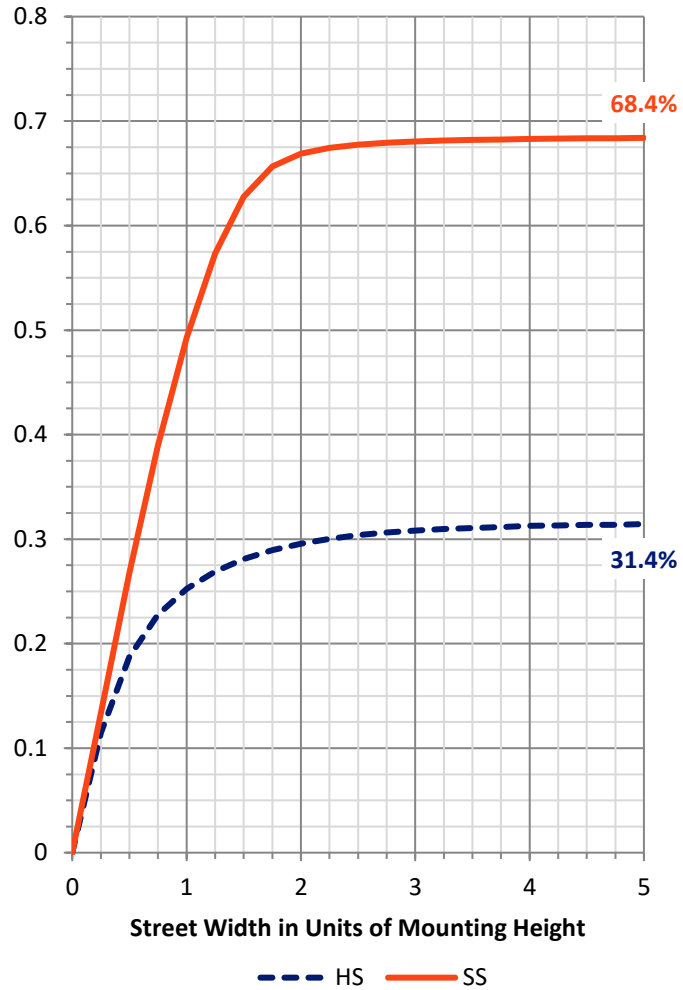
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8301.0	0.0	8301.0
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17926.7	0.0	17926.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	26227.7	0.0	26227.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	479.7	1.8
10°-20°	1577.9	6.0
20°-30°	2841.2	10.8
30°-40°	4291.3	16.4
40°-50°	5778.7	22.0
50°-60°	6943.9	26.5
60°-70°	3381.8	12.9
70°-80°	833.1	3.2
80°-90°	100.1	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°	26227.7	100.0
0°-180°	26227.7	100.0

Coefficient of Utilization



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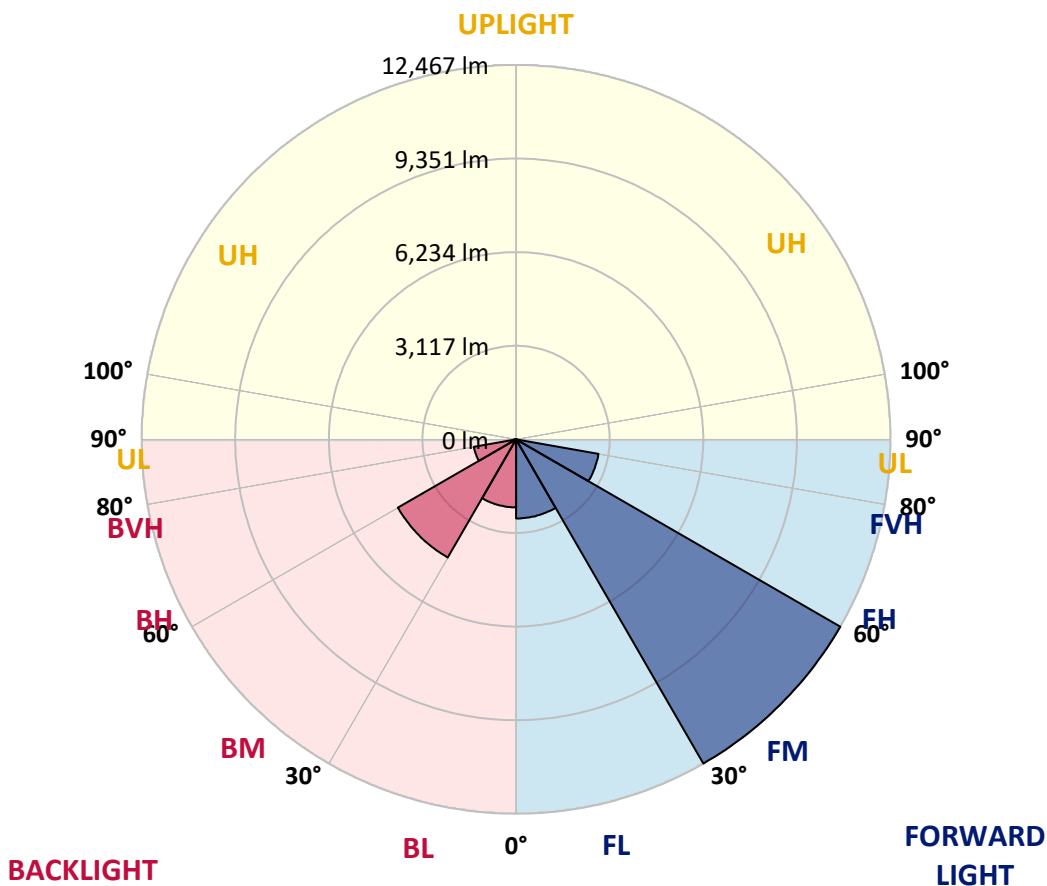
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2634.4	10.0			
FM (30°-60°)	12467.4	47.5			
FH (60°-80°)	2787.2	10.6			G2/5000
FVH (80°-90°)	37.6	0.1			G1/100
BL (0°-30°)	2264.4	8.6	B3/2500		
BM (30°-60°)	4546.4	17.3	B3/5000		
BH (60°-80°)	1427.7	5.4	B3/2500		G3/2500
BVH (80°-90°)	62.5	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°	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0
2.5°	4855.2	4853.0	4853.0	4866.2	4866.2	4870.6	4877.2	4883.8	4886.0	4875.0	4850.7
5°	4908.0	4908.0	4908.0	4919.0	4919.0	4923.4	4932.3	4934.5	4932.3	4914.6	4890.4
7.5°	4991.7	4991.7	4993.9	5007.2	5018.2	5024.8	5040.2	5038.0	5031.4	5002.7	4971.9
10°	5128.3	5134.9	5141.5	5156.9	5179.0	5194.4	5205.4	5205.4	5196.6	5152.5	5112.9
12.5°	5322.2	5331.0	5337.6	5350.8	5368.4	5394.9	5419.1	5419.1	5408.1	5353.0	5293.5
15°	5549.1	5557.9	5555.7	5560.1	5593.1	5630.6	5650.4	5663.6	5668.0	5590.9	5498.4
17.5°	5809.0	5817.8	5809.0	5795.8	5800.2	5859.7	5894.9	5943.4	5972.0	5868.5	5720.9
20°	6044.7	6035.9	6035.9	6044.7	6057.9	6130.6	6183.5	6262.8	6298.0	6172.5	5943.4
22.5°	6293.6	6313.5	6304.7	6304.7	6357.5	6478.7	6542.6	6646.1	6683.5	6520.5	6212.1
25°	6615.3	6632.9	6628.5	6632.9	6694.6	6866.4	6930.3	7121.9	7159.4	6925.9	6509.5
27.5°	6967.7	6996.4	7009.6	7005.2	7104.3	7329.0	7408.3	7674.8	7743.1	7379.7	6826.7
30°	7425.9	7456.8	7467.8	7463.4	7580.1	7886.3	7976.6	8280.6	8377.6	7917.2	7229.9
32.5°	7956.8	7987.7	8020.7	8033.9	8183.7	8496.5	8626.5	8941.5	9080.3	8538.4	7716.7
35°	8483.3	8509.7	8573.6	8677.2	8882.0	9201.4	9316.0	9626.6	9761.0	9183.8	8304.9
37.5°	9064.9	9082.5	9137.6	9280.7	9575.9	9879.9	9994.5	10291.9	10307.3	9807.2	8970.1
40°	9701.5	9701.5	9690.5	9831.5	10139.9	10446.1	10545.2	10717.0	10626.7	10287.5	9617.8
42.5°	10241.2	10232.4	10241.2	10373.4	10602.5	10851.4	10937.3	10904.3	10789.7	10655.3	10203.8
45°	10728.0	10734.6	10814.0	10915.3	11034.2	11181.8	11232.5	11045.3	10941.7	10950.5	10673.0
47.5°	11058.5	11065.1	11250.1	11419.7	11492.4	11538.7	11516.7	11256.7	11203.9	11303.0	11034.2
50°	11102.5	11137.8	11457.2	11805.2	11985.9	11992.5	11930.8	11613.6	11598.2	11710.5	11228.1
52.5°	11111.3	11146.6	11545.3	12173.1	12642.3	12741.5	12671.0	12340.5	12179.7	12067.4	11466.0
55°	11078.3	11117.9	11558.5	12419.9	13318.6	13715.1	13721.8	13254.7	12741.5	12666.6	12144.5
57.5°	9780.8	9796.2	10479.1	11792.0	13292.2	14415.7	14501.6	13867.1	13281.2	13210.7	12688.6
60°	6813.5	6875.2	7617.6	9351.2	11166.4	13146.8	13424.4	13239.3	12847.2	12333.9	10886.6
62.5°	3412.3	3465.1	4209.7	5848.7	7701.3	9265.3	9562.7	9758.8	9851.3	9300.6	7412.7
65°	1469.3	1509.0	1971.6	3055.4	4359.5	5115.1	5218.6	5454.3	6031.5	5381.6	3993.8
67.5°	982.5	1008.9	1244.6	1863.6	2568.6	2617.0	2601.6	2652.3	2777.8	2293.2	1804.2
70°	753.4	775.4	934.0	1365.8	1846.0	1579.5	1495.8	1357.0	1473.7	1502.4	1462.7
72.5°	546.3	563.9	682.9	931.8	1156.5	1008.9	995.7	1066.2	1224.8	1268.9	1244.6
75°	352.5	361.3	434.0	511.1	597.0	647.6	674.1	801.8	962.7	995.7	967.1
77.5°	235.7	242.3	284.2	328.2	339.2	341.4	350.3	407.5	517.7	579.4	572.7
80°	123.4	123.4	138.8	138.8	158.6	189.4	198.3	235.7	286.4	317.2	319.4
82.5°	48.5	50.7	59.5	66.1	79.3	96.9	103.5	123.4	149.8	171.8	191.7
85°	19.8	22.0	24.2	28.6	35.2	44.1	46.3	52.9	70.5	88.1	99.1
87.5°	0.0	0.0	2.2	2.2	4.4	6.6	6.6	8.8	11.0	19.8	26.4
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°	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0	4864.0
2.5°	4879.4	4850.7	4879.4	4888.2	4912.4	4921.2	4905.8	4903.6	4903.6	4881.6	4875.0
5°	4912.4	4886.0	4914.6	4927.8	4963.1	4985.1	4989.5	5007.2	5018.2	5009.4	5007.2
7.5°	4993.9	4960.9	4991.7	5011.6	5057.8	5093.1	5108.5	5148.1	5176.8	5172.4	5170.2
10°	5137.1	5093.1	5128.3	5161.4	5212.0	5253.9	5256.1	5278.1	5306.7	5297.9	5293.5
12.5°	5302.3	5260.5	5300.1	5333.2	5392.7	5410.3	5381.6	5372.8	5377.2	5366.2	5357.4
15°	5505.0	5445.5	5480.8	5518.2	5551.3	5531.4	5469.8	5445.5	5443.3	5427.9	5419.1
17.5°	5707.7	5632.8	5659.2	5679.0	5663.6	5601.9	5524.8	5483.0	5463.1	5432.3	5423.5
20°	5908.1	5813.4	5809.0	5793.6	5723.1	5610.7	5507.2	5423.5	5372.8	5331.0	5315.6
22.5°	6137.2	6005.1	5939.0	5868.5	5714.3	5531.4	5375.0	5256.1	5174.6	5121.7	5104.1
25°	6384.0	6196.7	6060.1	5919.1	5626.2	5361.8	5143.7	4980.7	4883.8	4826.5	4806.7
27.5°	6628.5	6370.7	6165.9	5925.8	5449.9	5117.3	4824.3	4604.0	4507.1	4460.8	4445.4
30°	6958.9	6602.0	6291.4	5839.8	5218.6	4778.1	4412.4	4189.9	4126.0	4093.0	4079.7
32.5°	7340.0	6895.0	6458.9	5659.2	4923.4	4381.5	3996.0	3841.8	3797.8	3733.9	3731.7
35°	7842.3	7313.6	6617.5	5392.7	4551.2	3956.4	3676.6	3566.5	3487.2	3385.8	3377.0
37.5°	8428.2	7835.7	6703.4	5053.4	4117.2	3606.1	3438.7	3315.3	3187.6	3053.2	3035.6
40°	9034.0	8445.9	6710.0	4652.5	3692.0	3374.8	3233.8	3073.0	2914.4	2764.6	2744.8
42.5°	9670.7	9014.2	6593.2	4189.9	3344.0	3174.4	3031.2	2828.5	2650.1	2548.7	2537.7
45°	10239.0	9472.4	6328.9	3703.0	3086.2	3006.9	2824.1	2606.0	2511.3	2438.6	2423.2
47.5°	10686.2	9776.4	5972.0	3266.9	2877.0	2835.1	2597.2	2484.9	2412.2	2346.1	2330.6
50°	10906.5	9844.7	5507.2	2912.2	2683.1	2632.4	2469.4	2383.5	2335.1	2282.2	2269.0
52.5°	11179.6	9921.8	5106.3	2614.8	2493.7	2425.4	2363.7	2295.4	2260.2	2227.1	2216.1
55°	11807.5	10212.6	4894.8	2376.9	2313.0	2282.2	2273.4	2216.1	2205.1	2183.1	2163.2
57.5°	12063.0	10025.3	4394.8	2183.1	2169.8	2174.2	2196.3	2143.4	2132.4	2106.0	2092.7
60°	9701.5	7577.9	2976.1	2015.6	2050.9	2079.5	2101.6	2048.7	2033.3	2028.9	2011.2
62.5°	6216.5	4661.3	2077.3	1859.2	1912.1	1947.3	1960.6	1909.9	1898.9	1934.1	1936.3
65°	3236.0	2539.9	1685.2	1691.8	1735.9	1788.7	1815.2	1797.6	1793.1	1830.6	1832.8
67.5°	1652.2	1553.0	1469.3	1493.6	1528.8	1597.1	1658.8	1735.9	1762.3	1766.7	1768.9
70°	1407.6	1363.6	1321.7	1337.1	1374.6	1412.0	1471.5	1509.0	1464.9	1453.9	1449.5
72.5°	1198.4	1165.3	1145.5	1163.1	1182.9	1176.3	1158.7	1176.3	1182.9	1185.2	1187.4
75°	931.8	907.6	892.2	894.4	894.4	870.1	837.1	817.3	795.2	777.6	777.6
77.5°	570.5	575.0	590.4	588.2	586.0	577.2	544.1	526.5	473.6	458.2	458.2
80°	326.0	332.6	348.1	352.5	352.5	341.4	308.4	288.6	264.3	253.3	251.1
82.5°	198.3	207.1	215.9	220.3	222.5	209.3	180.6	165.2	152.0	141.0	141.0
85°	103.5	107.9	116.8	119.0	112.3	99.1	83.7	77.1	63.9	61.7	61.7
87.5°	28.6	30.8	35.2	28.6	26.4	19.8	11.0	8.8	4.4	2.2	2.2
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)