

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: P642787

Luminaire Tested: GWS-SA6D-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642787
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31274.7 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

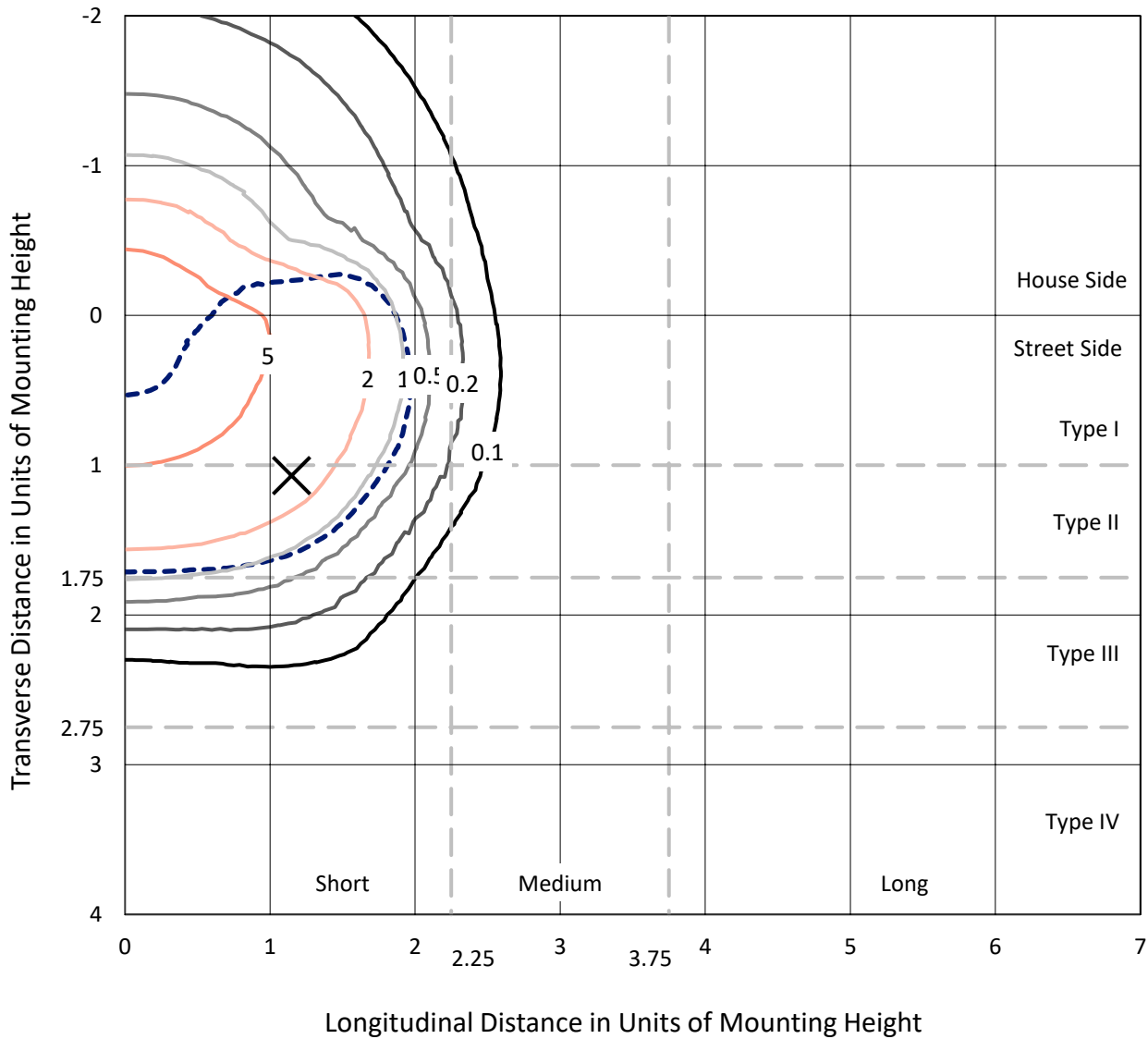
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

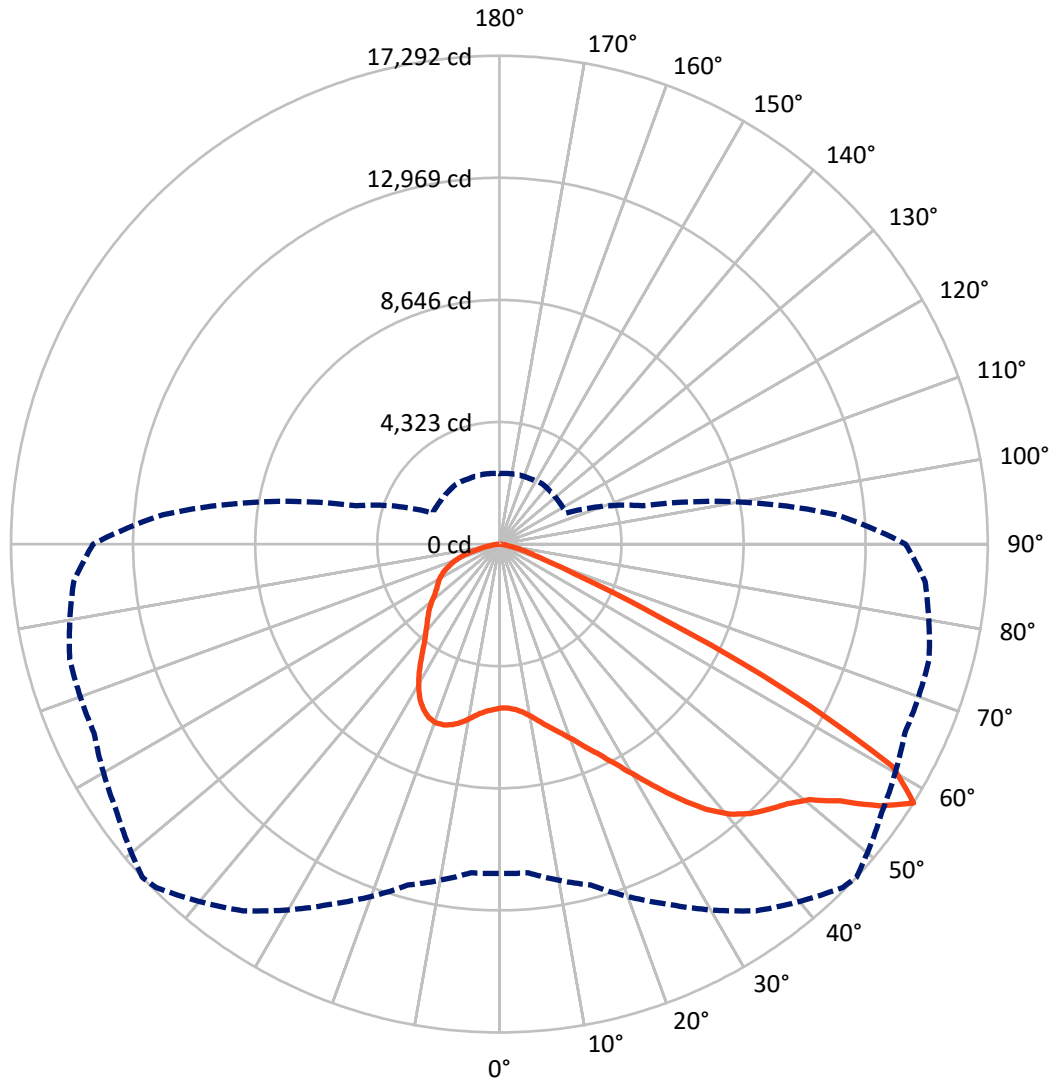
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.2 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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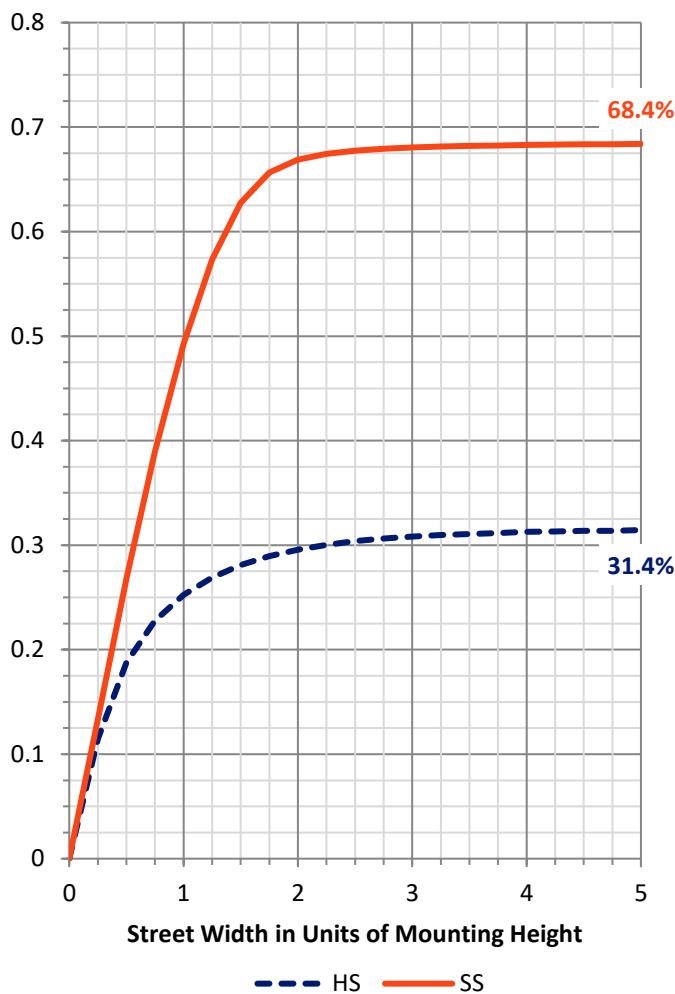
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9898.4	0.0	9898.4
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	21376.3	0.0	21376.3
	% Fixture	68.4	0.0	68.4
Total	Lumens	31274.7	0.0	31274.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	572.1	1.8
10°-20°	1881.5	6.0
20°-30°	3387.9	10.8
30°-40°	5117.0	16.4
40°-50°	6890.7	22.0
50°-60°	8280.1	26.5
60°-70°	4032.6	12.9
70°-80°	993.5	3.2
80°-90°	119.4	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°	31274.7	100.0
0°-180°	31274.7	100.0

Coefficient of Utilization



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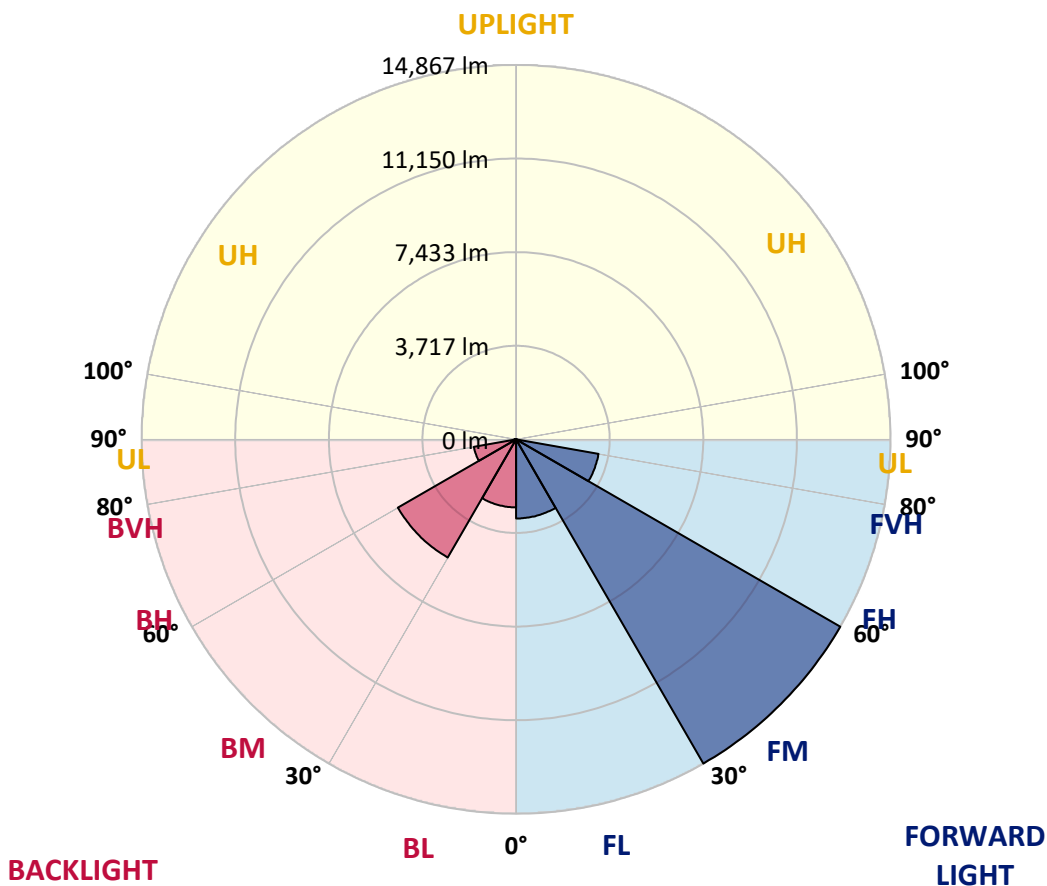
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3141.4	10.0			
FM (30°-60°)	14866.5	47.5			
FH (60°-80°)	3323.6	10.6			G2/5000
FVH (80°-90°)	44.9	0.1			G1/100
BL (0°-30°)	2700.1	8.6	B4/5000		
BM (30°-60°)	5421.3	17.3	B4/8500		
BH (60°-80°)	1702.5	5.4	B3/2500		G3/2500
BVH (80°-90°)	74.5	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9
2.5°	5789.4	5786.8	5786.8	5802.6	5802.6	5807.8	5815.7	5823.6	5826.2	5813.1	5784.2
5°	5852.5	5852.5	5852.5	5865.6	5865.6	5870.9	5881.4	5884.0	5881.4	5860.4	5831.5
7.5°	5952.3	5952.3	5954.9	5970.7	5983.8	5991.7	6010.1	6007.5	5999.6	5965.4	5928.7
10°	6115.2	6123.0	6130.9	6149.3	6175.6	6194.0	6207.1	6207.1	6196.6	6144.0	6096.8
12.5°	6346.3	6356.8	6364.7	6380.5	6401.5	6433.0	6461.9	6461.9	6448.8	6383.1	6312.2
15°	6616.9	6627.4	6624.7	6630.0	6669.4	6714.1	6737.7	6753.5	6758.7	6666.8	6556.5
17.5°	6926.8	6937.3	6926.8	6911.1	6916.3	6987.2	7029.3	7087.1	7121.2	6997.8	6821.8
20°	7207.9	7197.4	7197.4	7207.9	7223.7	7310.3	7373.4	7467.9	7510.0	7360.2	7087.1
22.5°	7504.7	7528.4	7517.9	7517.9	7580.9	7725.4	7801.5	7925.0	7969.7	7775.3	7407.5
25°	7888.2	7909.2	7904.0	7909.2	7982.8	8187.7	8263.9	8492.4	8537.0	8258.6	7762.1
27.5°	8308.5	8342.7	8358.4	8353.2	8471.4	8739.3	8833.9	9151.7	9233.1	8799.7	8140.4
30°	8854.9	8891.7	8904.8	8899.5	9038.8	9403.9	9511.6	9874.1	9989.7	9440.7	8621.1
32.5°	9487.9	9524.7	9564.1	9579.9	9758.5	10131.5	10286.5	10662.1	10827.6	10181.4	9201.6
35°	10115.7	10147.3	10223.4	10346.9	10591.2	10972.1	11108.7	11479.0	11639.3	10951.1	9903.0
37.5°	10809.2	10830.2	10895.9	11066.6	11418.6	11781.1	11917.7	12272.3	12290.7	11694.4	10696.3
40°	11568.4	11568.4	11555.2	11723.3	12091.1	12456.2	12574.4	12779.3	12671.6	12267.1	11468.5
42.5°	12211.9	12201.4	12211.9	12369.5	12642.7	12939.5	13042.0	13002.6	12866.0	12705.8	12167.3
45°	12792.4	12800.3	12894.9	13015.7	13157.6	13333.6	13394.0	13170.7	13047.2	13057.7	12726.8
47.5°	13186.5	13194.3	13415.0	13617.2	13703.9	13759.1	13732.8	13422.9	13359.8	13478.0	13157.6
50°	13239.0	13281.0	13661.9	14076.9	14292.3	14300.2	14226.7	13848.4	13830.0	13964.0	13388.7
52.5°	13249.5	13291.5	13767.0	14515.6	15075.1	15193.3	15109.3	14715.2	14523.5	14389.5	13672.4
55°	13210.1	13257.4	13782.7	14809.8	15881.5	16354.4	16362.2	15805.4	15193.3	15104.0	14481.5
57.5°	11662.9	11681.3	12495.6	14061.2	15850.0	17189.7	17292.1	16535.6	15836.9	15752.8	15130.3
60°	8124.6	8198.2	9083.4	11150.7	13315.2	15676.6	16007.6	15787.0	15319.4	14707.4	12981.6
62.5°	4068.9	4131.9	5019.8	6974.1	9183.2	11048.3	11402.9	11636.7	11747.0	11090.3	8839.1
65°	1752.1	1799.3	2351.0	3643.3	5198.4	6099.4	6222.9	6503.9	7192.1	6417.2	4762.4
67.5°	1171.5	1203.1	1484.1	2222.3	3062.8	3120.6	3102.2	3162.6	3312.4	2734.5	2151.3
70°	898.4	924.6	1113.8	1628.6	2201.2	1883.4	1783.6	1618.1	1757.3	1791.5	1744.2
72.5°	651.4	672.5	814.3	1111.1	1379.1	1203.1	1187.3	1271.4	1460.5	1513.0	1484.1
75°	420.3	430.8	517.5	609.4	711.9	772.3	803.8	956.1	1147.9	1187.3	1153.2
77.5°	281.1	288.9	338.9	391.4	404.5	407.2	417.7	486.0	617.3	690.8	683.0
80°	147.1	147.1	165.5	165.5	189.1	225.9	236.4	281.1	341.5	378.3	380.9
82.5°	57.8	60.4	70.9	78.8	94.6	115.6	123.5	147.1	178.6	204.9	228.5
85°	23.6	26.3	28.9	34.1	42.0	52.5	55.2	63.0	84.1	105.1	118.2
87.5°	0.0	0.0	2.6	2.6	5.3	7.9	7.9	10.5	13.1	23.6	31.5
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°	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9	5799.9
2.5°	5818.3	5784.2	5818.3	5828.8	5857.7	5868.2	5849.8	5847.2	5847.2	5821.0	5813.1
5°	5857.7	5826.2	5860.4	5876.1	5918.1	5944.4	5949.7	5970.7	5983.8	5973.3	5970.7
7.5°	5954.9	5915.5	5952.3	5975.9	6031.1	6073.1	6091.5	6138.8	6172.9	6167.7	6165.1
10°	6125.7	6073.1	6115.2	6154.6	6215.0	6264.9	6267.5	6293.8	6327.9	6317.4	6312.2
12.5°	6322.7	6272.8	6320.0	6359.4	6430.4	6451.4	6417.2	6406.7	6412.0	6398.8	6388.3
15°	6564.3	6493.4	6535.4	6580.1	6619.5	6595.9	6522.3	6493.4	6490.8	6472.4	6461.9
17.5°	6806.0	6716.7	6748.2	6771.8	6753.5	6679.9	6588.0	6538.1	6514.4	6477.6	6467.1
20°	7045.0	6932.1	6926.8	6908.4	6824.4	6690.4	6567.0	6467.1	6406.7	6356.8	6338.4
22.5°	7318.2	7160.6	7081.8	6997.8	6813.9	6595.9	6409.4	6267.5	6170.3	6107.3	6086.3
25°	7612.4	7389.1	7226.3	7058.2	6708.8	6393.6	6133.5	5939.2	5823.6	5755.3	5731.6
27.5°	7904.0	7596.7	7352.4	7066.0	6498.7	6102.0	5752.7	5490.0	5374.4	5319.2	5300.8
30°	8298.0	7872.5	7502.1	6963.6	6222.9	5697.5	5261.4	4996.1	4920.0	4880.6	4864.8
32.5°	8752.4	8221.8	7701.7	6748.2	5870.9	5224.7	4765.0	4581.1	4528.6	4452.4	4449.8
35°	9351.3	8720.9	7890.9	6430.4	5426.9	4717.7	4384.1	4252.8	4158.2	4037.4	4026.9
37.5°	10050.1	9343.5	7993.3	6025.8	4909.5	4300.0	4100.4	3953.3	3801.0	3640.7	3619.7
40°	10772.4	10071.1	8001.2	5547.8	4402.5	4024.2	3856.1	3664.4	3475.2	3296.6	3273.0
42.5°	11531.6	10748.8	7862.0	4996.1	3987.5	3785.2	3614.5	3372.8	3160.0	3039.2	3026.1
45°	12209.3	11295.2	7546.7	4415.6	3680.1	3585.6	3367.5	3107.5	2994.5	2907.8	2889.5
47.5°	12742.5	11657.7	7121.2	3895.5	3430.6	3380.7	3097.0	2963.0	2876.3	2797.5	2779.1
50°	13005.2	11739.1	6567.0	3472.6	3199.4	3139.0	2944.6	2842.2	2784.4	2721.3	2705.6
52.5°	13330.9	11831.0	6088.9	3118.0	2973.5	2892.1	2818.5	2737.1	2695.1	2655.7	2642.5
55°	14079.6	12177.8	5836.7	2834.3	2758.1	2721.3	2710.8	2642.5	2629.4	2603.1	2579.5
57.5°	14384.3	11954.5	5240.4	2603.1	2587.4	2592.6	2618.9	2555.9	2542.7	2511.2	2495.4
60°	11568.4	9036.1	3548.8	2403.5	2445.5	2479.7	2506.0	2442.9	2424.5	2419.3	2398.3
62.5°	7412.8	5558.3	2477.1	2217.0	2280.0	2322.1	2337.8	2277.4	2264.3	2306.3	2308.9
65°	3858.7	3028.7	2009.5	2017.4	2069.9	2132.9	2164.5	2143.5	2138.2	2182.9	2185.5
67.5°	1970.1	1851.9	1752.1	1781.0	1823.0	1904.4	1978.0	2069.9	2101.4	2106.7	2109.3
70°	1678.5	1626.0	1576.1	1594.5	1639.1	1683.8	1754.7	1799.3	1746.8	1733.7	1728.4
72.5°	1429.0	1389.6	1365.9	1386.9	1410.6	1402.7	1381.7	1402.7	1410.6	1413.2	1415.8
75°	1111.1	1082.2	1063.8	1066.5	1066.5	1037.6	998.2	974.5	948.3	927.3	927.3
77.5°	680.3	685.6	704.0	701.4	698.7	688.2	648.8	627.8	564.8	546.4	546.4
80°	388.8	396.6	415.0	420.3	420.3	407.2	367.7	344.1	315.2	302.1	299.5
82.5°	236.4	246.9	257.4	262.7	265.3	249.5	215.4	197.0	181.2	168.1	168.1
85°	123.5	128.7	139.2	141.8	134.0	118.2	99.8	91.9	76.2	73.5	73.5
87.5°	34.1	36.8	42.0	34.1	31.5	23.6	13.1	10.5	5.3	2.6	2.6
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)