

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: P642265

Luminaire Tested: GWS-SA6C-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642265
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR 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: 24738.4 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

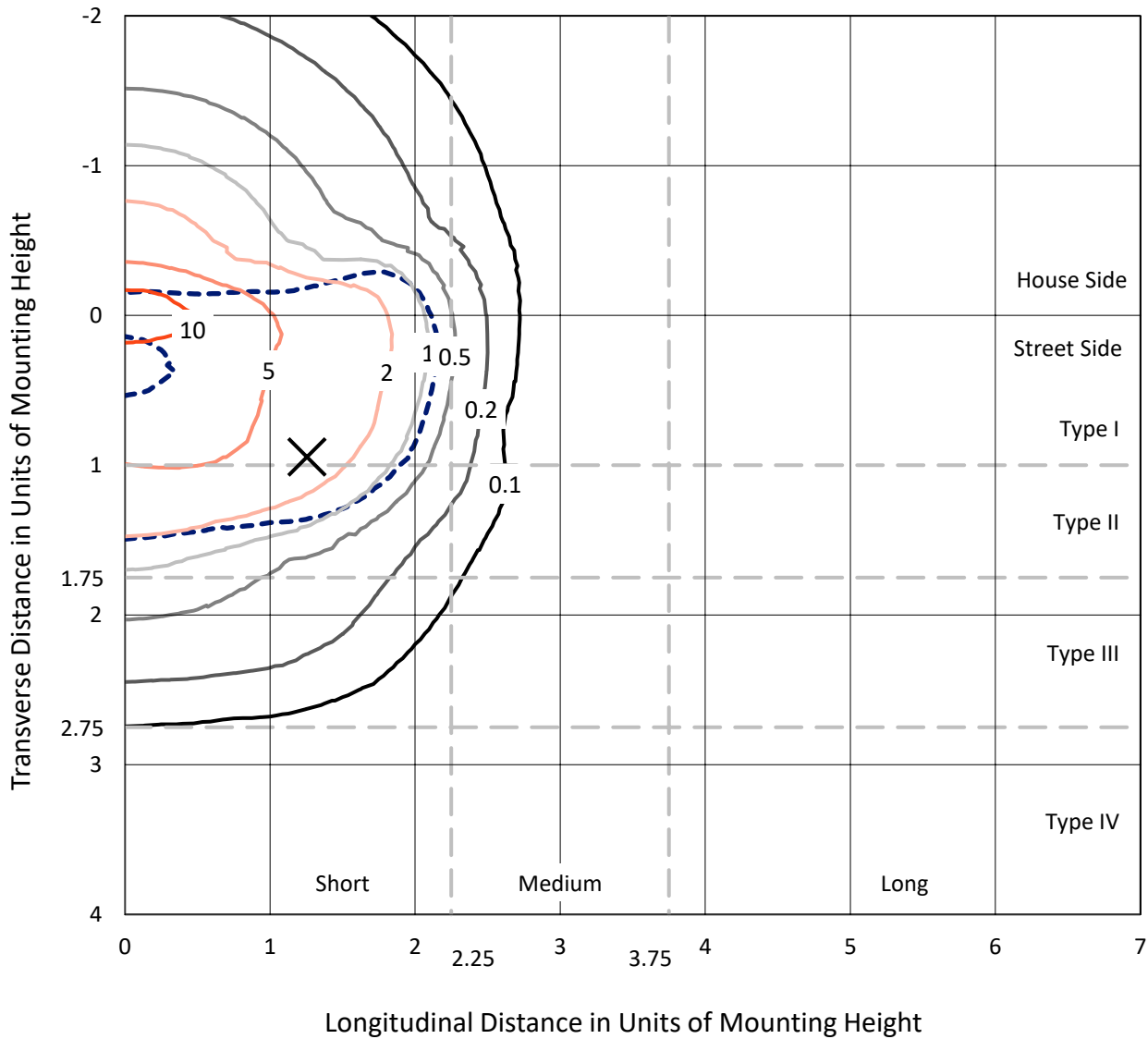
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

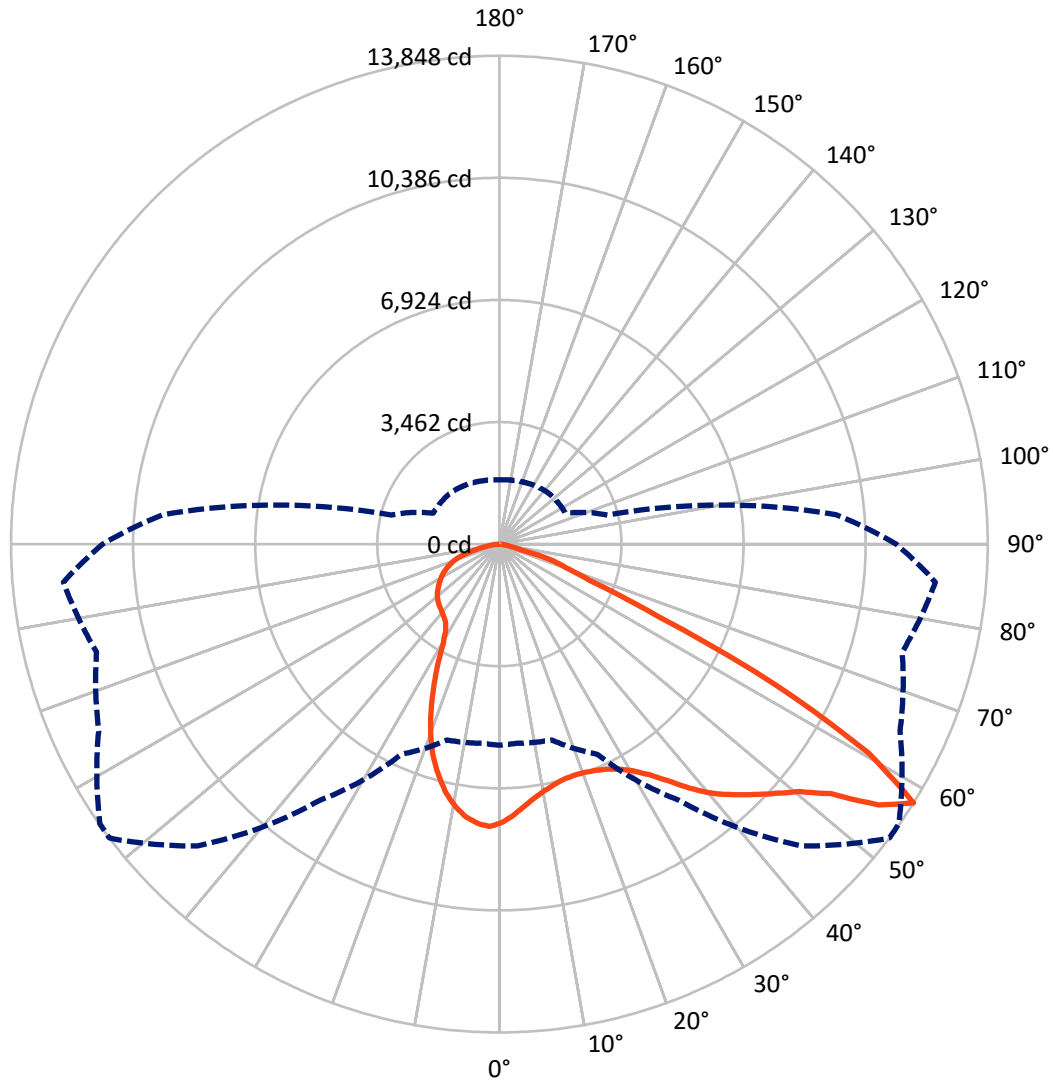
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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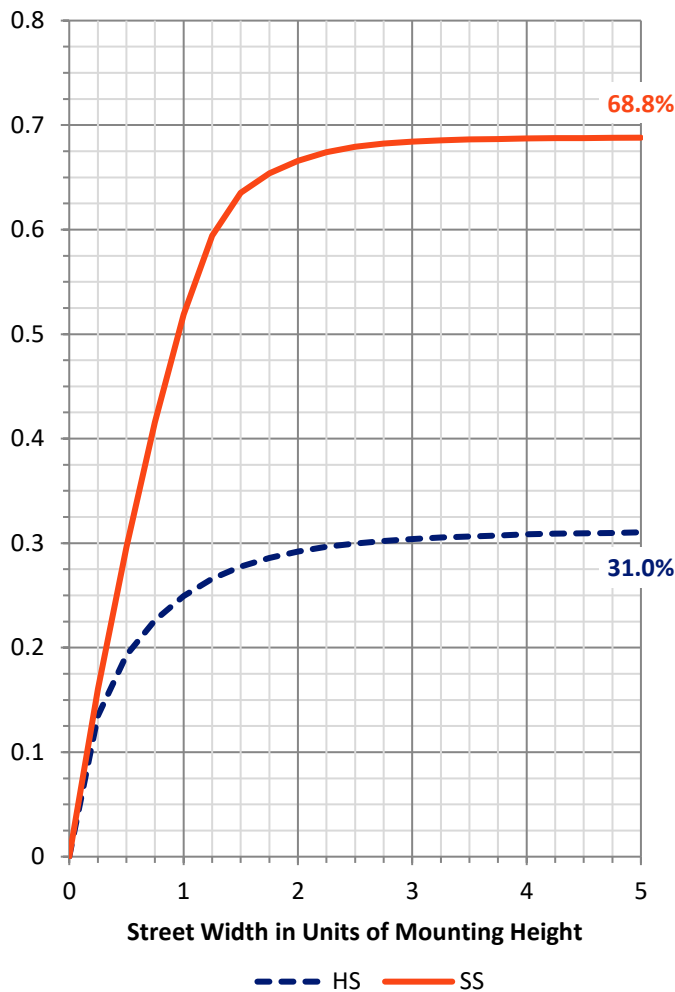
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7734.8	0.0	7734.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	17003.6	0.0	17003.6
	% Fixture	68.7	0.0	68.7
Total	Lumens	24738.4	0.0	24738.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	714.4	2.9
10°-20°	1874.2	7.6
20°-30°	2761.3	11.2
30°-40°	3865.1	15.6
40°-50°	5081.0	20.5
50°-60°	5957.4	24.1
60°-70°	3509.6	14.2
70°-80°	873.1	3.5
80°-90°	102.4	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°	24738.4	100.0
0°-180°	24738.4	100.0

Coefficient of Utilization



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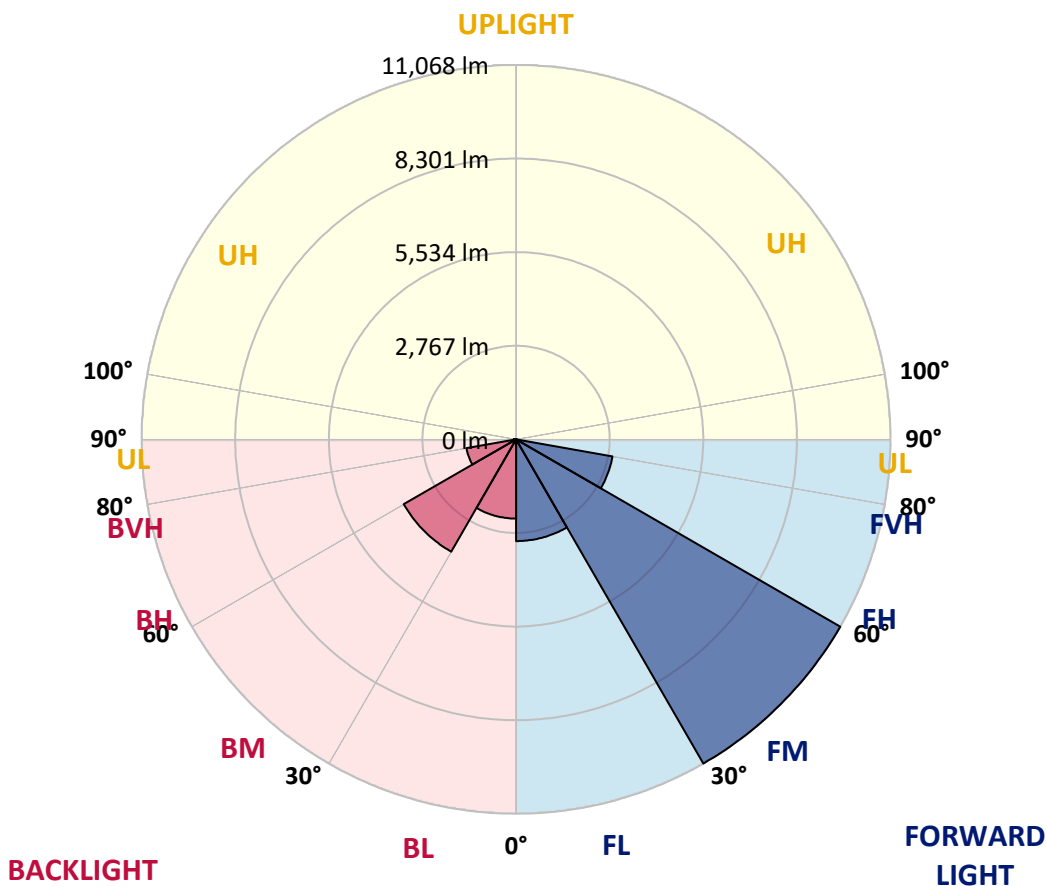
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3007.7	12.2			
FM (30°-60°)	11068.2	44.7			
FH (60°-80°)	2893.5	11.7			G2/5000
FVH (80°-90°)	34.3	0.1			G1/100
BL (0°-30°)	2342.1	9.5	B3/2500		
BM (30°-60°)	3835.3	15.5	B3/5000		
BH (60°-80°)	1489.2	6.0	B3/2500		G3/2500
BVH (80°-90°)	68.2	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6
2.5°	7445.7	7466.6	7470.7	7535.3	7539.4	7633.1	7695.6	7683.1	7747.6	7826.8	7889.2
5°	7089.7	7091.8	7112.6	7189.6	7231.3	7354.1	7458.2	7458.2	7583.2	7745.6	7885.1
7.5°	6796.1	6794.0	6812.8	6898.1	6966.8	7114.7	7256.3	7272.9	7447.8	7685.2	7912.1
10°	6523.3	6537.9	6558.7	6662.8	6750.3	6933.5	7102.2	7129.2	7350.0	7643.5	7949.6
12.5°	6348.4	6350.5	6381.8	6498.4	6610.8	6806.5	6983.5	7016.8	7270.8	7604.0	7976.7
15°	6236.0	6238.1	6271.4	6400.5	6531.7	6729.5	6910.6	6948.1	7225.0	7597.7	8028.7
17.5°	6186.0	6184.0	6215.2	6344.3	6487.9	6694.1	6887.7	6933.5	7245.8	7645.6	8120.3
20°	6186.0	6188.1	6204.8	6321.4	6467.1	6685.8	6910.6	6966.8	7327.1	7753.9	8261.9
22.5°	6273.5	6281.8	6290.1	6369.3	6483.8	6698.2	6971.0	7046.0	7502.0	7935.0	8447.2
25°	6444.2	6446.3	6454.6	6519.2	6571.2	6733.6	7070.9	7183.4	7774.7	8199.5	8680.4
27.5°	6673.3	6702.4	6710.7	6752.4	6752.4	6821.1	7227.1	7389.5	8143.2	8580.5	8978.2
30°	6993.9	7004.3	7018.9	7064.7	7014.7	6985.6	7456.1	7664.4	8570.1	9040.7	9336.3
32.5°	7275.0	7297.9	7377.0	7452.0	7362.4	7270.8	7793.5	8039.1	8980.3	9519.5	9717.3
35°	7514.4	7570.7	7722.7	7889.2	7826.8	7735.2	8241.1	8497.2	9317.6	9863.1	10054.7
37.5°	7803.9	7847.6	8055.8	8326.5	8382.7	8339.0	8786.6	8969.9	9542.4	9950.5	10237.9
40°	8097.4	8164.1	8432.7	8807.5	9021.9	9053.1	9290.5	9413.4	9619.5	9779.8	10202.5
42.5°	8397.3	8511.8	8880.3	9317.6	9698.6	9769.4	9715.3	9767.3	9594.5	9544.5	10038.0
45°	8763.7	8899.1	9315.5	9873.5	10375.3	10485.7	10131.7	10083.8	9590.3	9455.0	9936.0
47.5°	9196.8	9332.2	9729.8	10379.5	11020.8	11102.0	10558.5	10471.1	9736.1	9592.4	10073.4
50°	9579.9	9673.6	10029.7	10756.3	11622.5	11670.4	11029.1	10922.9	10098.4	9973.5	10502.3
52.5°	9190.6	9180.2	9554.9	10450.3	11934.8	12511.6	11753.7	11651.7	10798.0	10606.4	11166.5
55°	7797.6	7678.9	8014.2	8894.9	11062.4	13259.1	13052.9	12848.9	11730.8	11243.6	11789.1
57.5°	5700.9	5667.6	5748.8	6575.4	8861.6	12101.4	13848.3	13829.6	12536.6	11826.6	12409.6
60°	4457.9	4407.9	4191.3	4214.3	6040.3	9452.9	12018.1	12569.9	13036.3	12176.4	12842.6
62.5°	3958.1	3920.7	3808.2	3498.0	3597.9	6338.0	8809.5	9315.5	11391.4	10754.3	11031.2
65°	3277.3	3266.9	3360.6	3348.1	3014.9	3500.1	4972.2	5482.3	7162.6	7252.1	7162.6
67.5°	2382.0	2363.2	2600.6	3069.1	2902.5	2642.2	2771.3	2948.3	3672.9	3298.1	2969.1
70°	1549.1	1522.0	1659.5	2217.5	2598.5	2302.8	1996.8	1967.6	2019.7	1255.5	1357.6
72.5°	1039.0	1007.8	1005.7	1220.1	1569.9	1551.2	1547.0	1532.5	1368.0	991.1	1099.4
75°	578.8	553.8	547.6	526.8	562.2	572.6	610.1	630.9	682.9	751.7	832.9
77.5°	97.9	95.8	120.8	154.1	212.4	272.8	337.3	356.0	439.3	520.5	572.6
80°	54.1	56.2	72.9	89.5	118.7	162.4	208.2	220.7	270.7	314.4	356.0
82.5°	29.1	29.1	37.5	47.9	64.5	85.4	112.4	122.8	156.2	183.2	212.4
85°	10.4	10.4	14.6	18.7	27.1	35.4	43.7	50.0	68.7	93.7	106.2
87.5°	0.0	0.0	0.0	0.0	2.1	4.2	8.3	8.3	10.4	18.7	27.1
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°	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6	7899.6
2.5°	7941.3	7885.1	7962.1	7997.5	8010.0	8018.3	7964.2	7926.7	7914.2	7874.7	7851.8
5°	7970.4	7933.0	8005.8	8005.8	7953.8	7899.6	7789.3	7712.2	7658.1	7593.6	7583.2
7.5°	8020.4	7993.3	8032.9	7951.7	7820.5	7674.8	7483.2	7333.3	7212.5	7133.4	7135.5
10°	8087.0	8053.7	8022.5	7841.3	7601.9	7333.3	7039.7	6821.1	6621.2	6529.6	6479.6
12.5°	8130.8	8082.9	7951.7	7651.9	7300.0	6939.8	6525.4	6200.6	5911.2	5780.0	5769.6
15°	8184.9	8097.4	7835.1	7406.2	6916.9	6425.5	5892.5	5440.6	5049.2	4845.1	4834.7
17.5°	8255.7	8112.0	7695.6	7125.1	6512.9	5788.3	5117.9	4549.5	4133.0	3974.8	4001.9
20°	8355.6	8128.7	7537.3	6812.8	6011.1	5063.8	4228.8	3706.2	3545.9	3535.5	3514.7
22.5°	8468.1	8139.1	7362.4	6463.0	5403.2	4291.3	3493.8	3271.0	3269.0	3321.0	3333.5
25°	8595.1	8147.4	7164.6	6054.9	4745.2	3520.9	3089.9	3023.3	3075.3	3173.2	3185.7
27.5°	8757.5	8164.1	6925.2	5607.2	4045.6	3042.0	2867.1	2850.4	2912.9	3004.5	3000.4
30°	8996.9	8224.5	6671.2	5092.9	3327.3	2815.1	2731.8	2733.8	2758.8	2802.6	2808.8
32.5°	9240.5	8318.1	6423.4	4514.1	2915.0	2686.0	2648.5	2644.3	2644.3	2663.1	2667.2
35°	9471.7	8424.3	6154.8	3910.3	2715.1	2611.0	2586.0	2573.5	2567.3	2563.1	2556.9
37.5°	9600.7	8476.4	5892.5	3314.8	2608.9	2561.0	2536.0	2519.4	2496.5	2479.8	2475.7
40°	9544.5	8416.0	5588.5	2869.2	2544.4	2513.1	2484.0	2461.1	2429.9	2415.3	2407.0
42.5°	9357.1	8228.6	5257.4	2658.9	2492.3	2461.1	2425.7	2388.2	2367.4	2354.9	2352.8
45°	9159.3	8001.7	4857.6	2536.0	2442.4	2404.9	2363.2	2321.6	2298.7	2292.4	2290.4
47.5°	9153.1	7889.2	4432.9	2438.2	2382.0	2344.5	2292.4	2250.8	2225.8	2217.5	2209.2
50°	9427.9	8003.7	3954.0	2352.8	2319.5	2279.9	2221.6	2175.8	2144.6	2134.2	2132.1
52.5°	9998.4	8434.7	3525.1	2267.5	2236.2	2190.4	2142.5	2096.7	2059.2	2040.5	2038.4
55°	10614.8	8982.4	3258.5	2180.0	2138.4	2098.8	2055.1	2005.1	1963.5	1934.3	1930.1
57.5°	11251.9	9579.9	3177.3	2069.6	2038.4	2011.3	1959.3	1905.2	1857.3	1830.2	1824.0
60°	11776.6	10094.2	3329.3	1953.0	1936.4	1901.0	1853.1	1801.1	1767.7	1746.9	1742.8
62.5°	9858.9	8218.2	2688.0	1826.0	1826.0	1788.6	1734.4	1696.9	1674.0	1659.5	1655.3
65°	6256.8	5088.8	1834.4	1699.0	1696.9	1647.0	1601.2	1576.2	1565.8	1542.9	1538.7
67.5°	2725.5	2325.8	1567.9	1569.9	1561.6	1507.5	1461.7	1442.9	1422.1	1397.1	1395.0
70°	1413.8	1440.8	1403.4	1426.3	1411.7	1347.1	1303.4	1274.3	1230.5	1205.6	1207.6
72.5°	1141.0	1170.2	1211.8	1247.2	1216.0	1163.9	1095.2	1059.8	1003.6	976.5	978.6
75°	870.3	901.6	941.1	978.6	953.6	889.1	845.3	810.0	745.4	714.2	720.4
77.5°	599.7	616.3	664.2	662.1	653.8	635.1	570.5	528.9	462.2	424.8	428.9
80°	372.7	383.1	406.0	416.4	412.3	387.3	335.2	304.0	264.4	241.5	243.6
82.5°	224.9	231.1	251.9	254.0	251.9	233.2	193.6	170.7	145.7	133.3	133.3
85°	114.5	118.7	131.2	131.2	118.7	99.9	89.5	79.1	64.5	58.3	58.3
87.5°	31.2	31.2	39.6	33.3	27.1	25.0	12.5	10.4	4.2	2.1	2.1
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)