

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: P642013

Luminaire Tested: GWS-SA6C-722-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642013
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18407.7 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

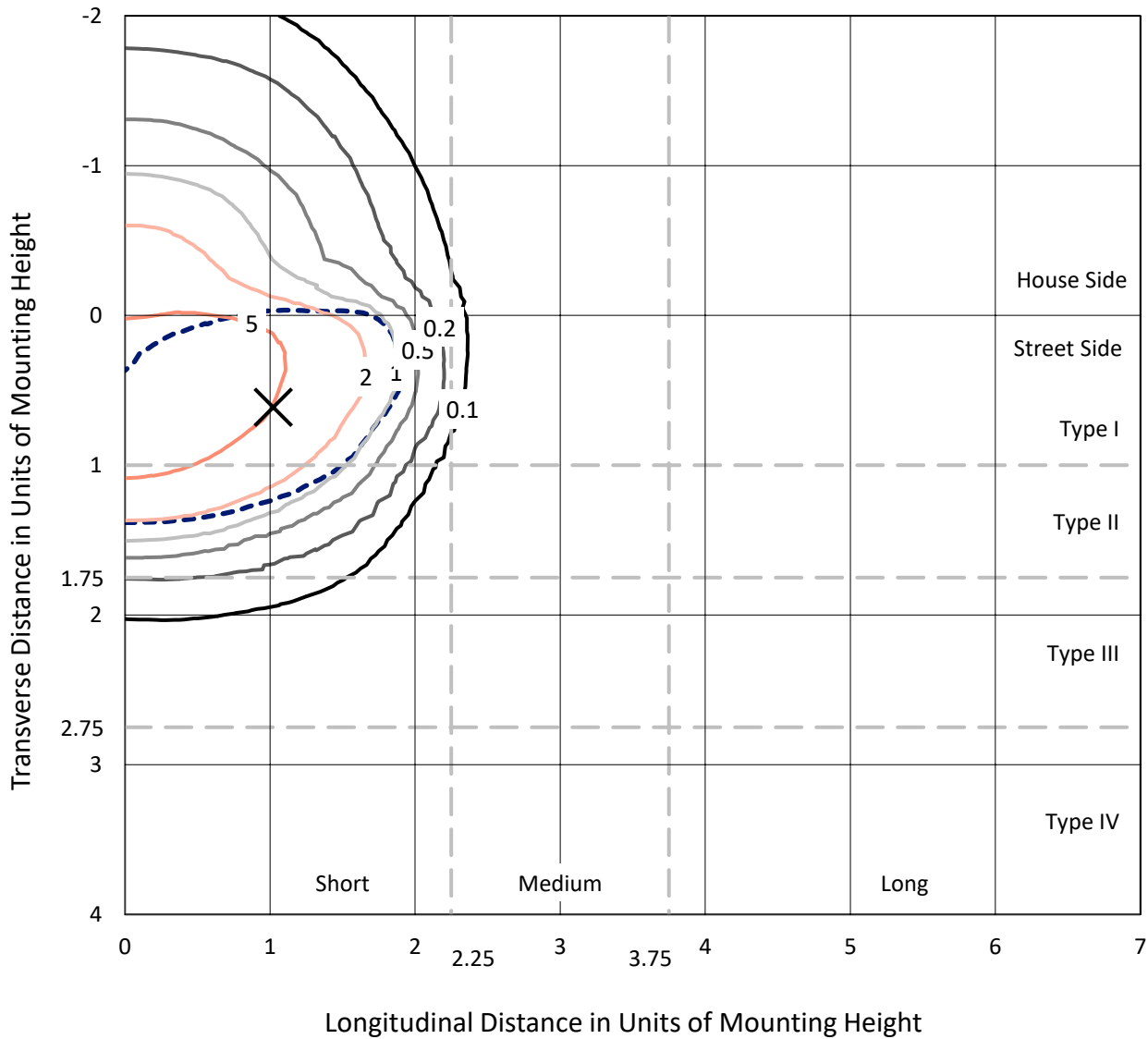
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

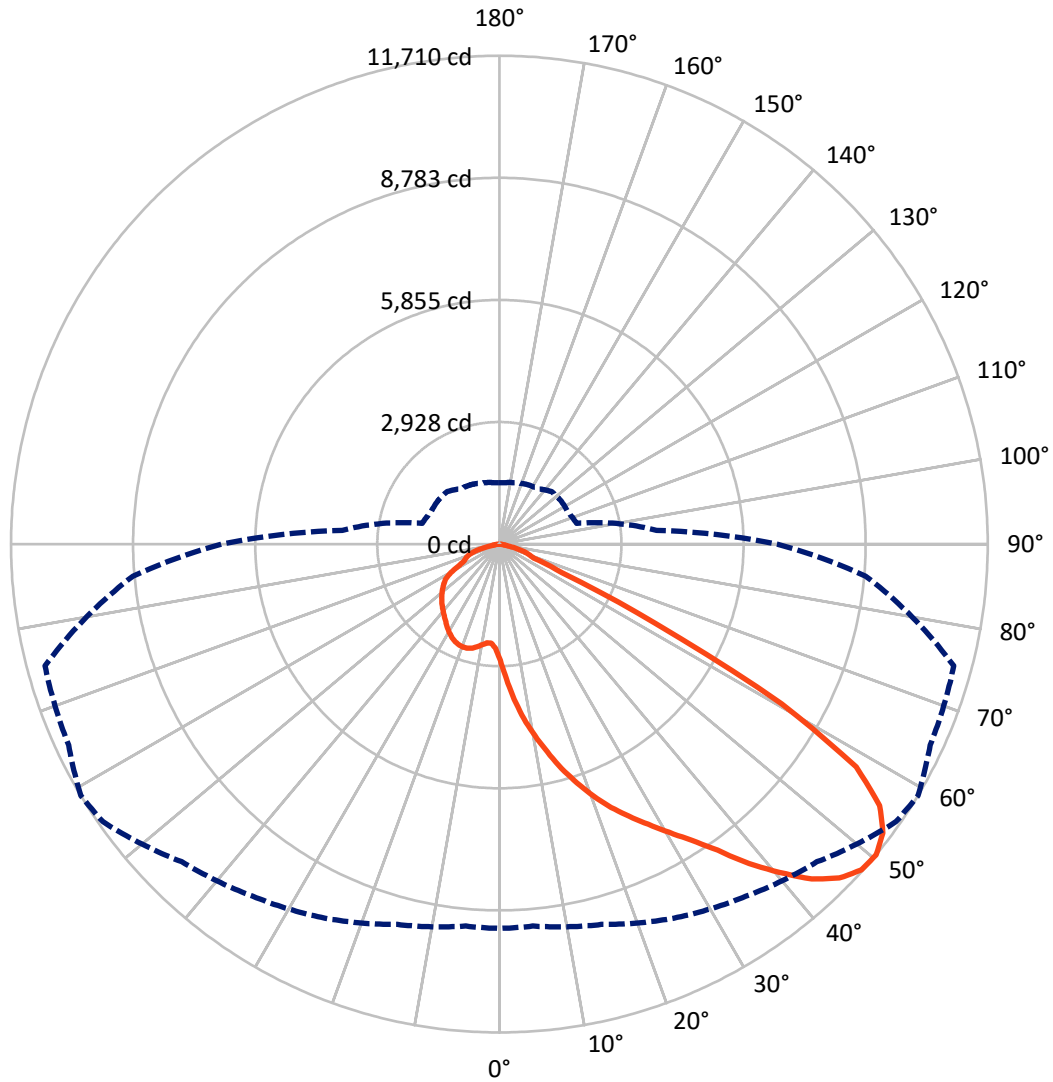
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical



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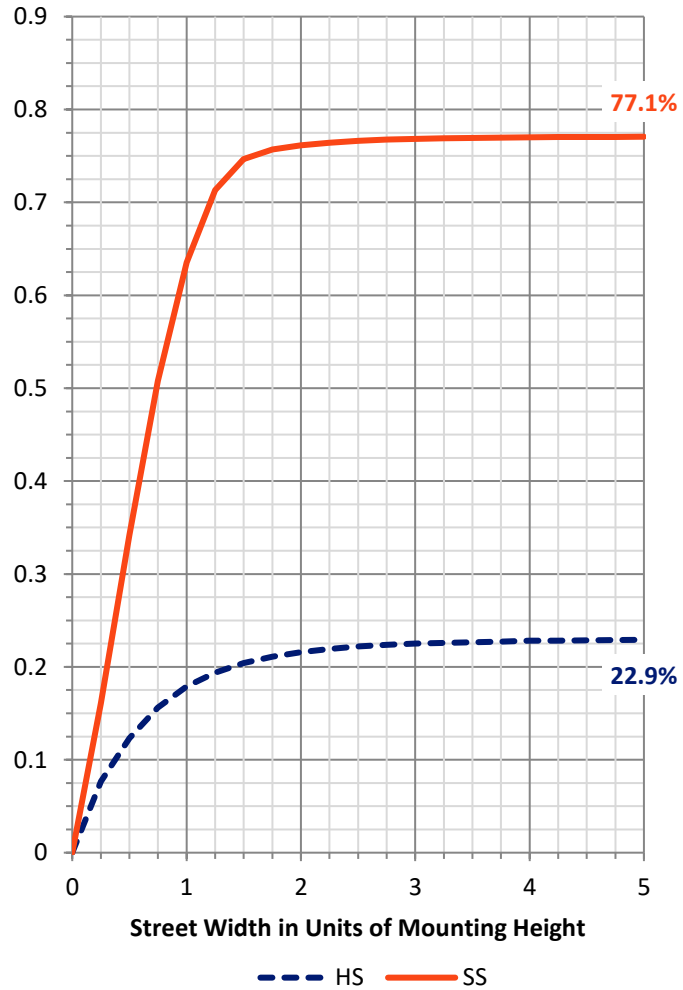
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4234.1	0.0	4234.1
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	14173.6	0.0	14173.6
	% Fixture	77.0	0.0	77.0
Total	Lumens	18407.7	0.0	18407.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	312.9	1.7
10°-20°	1135.8	6.2
20°-30°	2150.7	11.7
30°-40°	3566.5	19.4
40°-50°	4872.0	26.5
50°-60°	4422.5	24.0
60°-70°	1472.7	8.0
70°-80°	429.5	2.3
80°-90°	45.1	0.2
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°	18407.7	100.0
0°-180°	18407.7	100.0

Coefficient of Utilization



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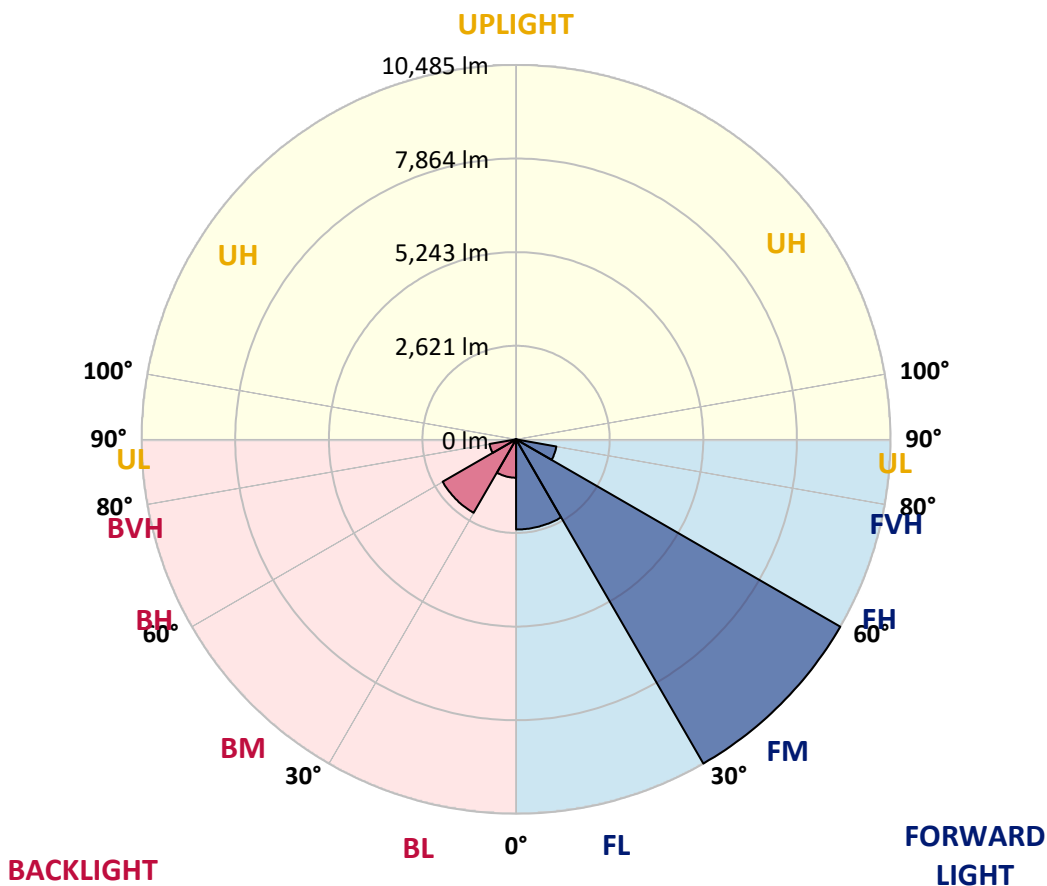
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2524.1	13.7			
FM (30°-60°)	10485.3	57.0			
FH (60°-80°)	1146.5	6.2			G1/1800
FVH (80°-90°)	17.6	0.1			G1/100
BL (0°-30°)	1075.1	5.8	B3/2500		
BM (30°-60°)	2375.8	12.9	B2/2500		
BH (60°-80°)	755.8	4.1	B2/1000		G2/1000
BVH (80°-90°)	27.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9
2.5°	3613.6	3640.6	3598.6	3601.6	3496.6	3448.6	3313.7	3234.2	3181.7	3034.8	2901.4
5°	4342.3	4310.8	4277.8	4258.3	4166.9	4037.9	3870.0	3736.5	3613.6	3325.7	3048.3
7.5°	4789.1	4772.6	4750.1	4738.1	4648.2	4513.2	4345.3	4231.3	4052.9	3663.1	3226.7
10°	5168.5	5149.0	5135.5	5144.5	5071.0	4984.0	4801.1	4670.7	4469.7	4019.9	3442.6
12.5°	5462.3	5472.8	5477.3	5525.3	5493.8	5441.3	5252.4	5114.5	4891.1	4396.3	3696.0
15°	5694.7	5691.7	5744.2	5835.7	5886.7	5853.7	5702.2	5586.8	5313.9	4766.6	3968.9
17.5°	5748.7	5751.7	5834.2	5994.6	6161.1	6242.0	6156.6	6018.6	5748.7	5132.5	4252.3
20°	5792.2	5798.2	5883.7	6066.6	6309.5	6535.9	6549.4	6450.4	6218.0	5528.3	4540.2
22.5°	6066.6	6080.1	6102.6	6218.0	6437.0	6723.3	6880.8	6859.8	6664.9	5943.6	4850.6
25°	6787.8	6747.3	6637.9	6604.9	6688.9	6921.3	7189.7	7230.1	7134.2	6401.0	5184.9
27.5°	7678.5	7635.0	7473.0	7302.1	7120.7	7201.7	7488.0	7609.5	7611.0	6904.8	5520.8
30°	8486.6	8452.2	8320.2	8075.8	7762.4	7645.5	7856.9	8020.3	8117.8	7486.5	5903.2
32.5°	9177.9	9146.4	8968.0	8768.5	8462.7	8227.2	8303.7	8461.2	8689.1	8239.2	6378.5
35°	9759.6	9728.2	9557.2	9356.3	9072.9	8932.0	8905.0	9012.9	9308.3	9024.9	6924.3
37.5°	10232.0	10200.5	10022.0	9833.1	9617.2	9626.2	9666.7	9719.2	9888.6	9866.1	7507.5
40°	10537.8	10504.8	10377.4	10242.4	10106.0	10214.0	10414.9	10351.9	10441.9	10545.3	8044.3
42.5°	10674.3	10632.3	10558.8	10528.8	10486.9	10654.8	11041.6	10978.7	10870.7	10998.1	8443.2
45°	10537.8	10501.8	10500.3	10591.8	10689.3	10905.2	11475.0	11424.0	11151.1	11217.1	8681.6
47.5°	10119.5	10088.0	10173.5	10413.4	10653.3	10968.2	11668.4	11677.4	11350.5	11308.5	8836.0
50°	9215.4	9194.4	9441.8	9896.1	10309.9	10771.7	11606.9	11710.4	11398.5	11280.0	8816.5
52.5°	7377.1	7474.5	8012.8	8771.5	9575.2	10426.9	11379.0	11513.9	11167.6	11092.6	8711.6
55°	5050.0	5095.0	5633.3	6741.3	8015.8	9680.2	10855.7	11064.1	10894.7	11061.1	8821.0
57.5°	2615.0	2651.0	3075.3	4058.9	5436.8	7650.0	9402.8	10086.5	10344.4	11220.1	9161.4
60°	1073.6	1103.6	1279.0	1754.3	2742.4	4454.7	6766.8	7780.4	8386.2	10246.9	8135.8
62.5°	779.7	794.7	878.7	1046.6	1436.4	2183.1	3829.5	4202.8	4628.7	6422.0	5165.5
65°	656.7	673.2	740.7	842.7	1048.1	1339.0	1635.9	1644.8	1812.8	2616.5	1914.7
67.5°	550.3	565.3	625.3	712.2	847.2	950.6	878.7	880.2	877.2	949.1	917.6
70°	428.8	440.8	500.8	593.8	664.2	610.3	686.7	760.2	728.7	757.2	800.7
72.5°	313.4	326.9	379.3	449.8	431.8	434.8	556.3	631.3	613.3	644.7	685.2
75°	226.4	235.4	262.4	224.9	236.9	286.4	391.3	431.8	449.8	476.8	512.8
77.5°	73.5	73.5	82.5	103.5	128.9	158.9	199.4	215.9	242.9	272.9	298.4
80°	37.5	39.0	46.5	57.0	72.0	91.5	117.0	124.5	137.9	154.4	164.9
82.5°	18.0	19.5	22.5	28.5	37.5	48.0	64.5	72.0	81.0	91.5	99.0
85°	4.5	4.5	6.0	9.0	12.0	18.0	24.0	28.5	36.0	43.5	48.0
87.5°	0.0	0.0	0.0	0.0	0.0	1.5	4.5	6.0	7.5	9.0	12.0
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°	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9	2788.9
2.5°	2841.4	2757.4	2649.5	2558.0	2474.0	2409.5	2354.1	2327.1	2301.6	2283.6	2289.6
5°	2919.3	2775.4	2574.5	2435.0	2349.6	2306.1	2276.1	2261.1	2258.1	2246.1	2241.6
7.5°	3033.3	2827.9	2559.5	2418.5	2361.6	2339.1	2322.6	2313.6	2318.1	2306.1	2301.6
10°	3174.2	2914.8	2597.0	2472.5	2423.0	2406.5	2388.6	2376.6	2370.6	2352.6	2349.6
12.5°	3349.7	3022.8	2664.4	2541.5	2492.0	2463.5	2439.5	2418.5	2405.0	2382.6	2376.6
15°	3538.6	3142.8	2743.9	2609.0	2550.5	2508.5	2469.5	2438.0	2414.0	2384.1	2379.6
17.5°	3744.0	3268.7	2809.9	2655.4	2580.5	2525.0	2468.0	2421.5	2388.6	2349.6	2345.1
20°	3958.4	3396.2	2859.4	2677.9	2582.0	2507.0	2430.5	2369.1	2327.1	2288.1	2285.1
22.5°	4180.3	3513.1	2889.4	2671.9	2558.0	2465.0	2373.6	2304.6	2255.1	2208.6	2205.6
25°	4403.8	3625.6	2896.9	2648.0	2510.0	2402.0	2310.6	2229.6	2174.1	2121.7	2115.7
27.5°	4630.2	3720.0	2878.9	2600.0	2445.5	2328.6	2237.1	2157.6	2100.7	2048.2	2039.2
30°	4871.6	3801.0	2839.9	2537.0	2370.6	2250.6	2160.6	2100.7	2046.7	1994.2	1985.2
32.5°	5129.5	3871.5	2784.4	2460.5	2283.6	2172.6	2106.7	2052.7	1998.7	1952.2	1943.2
35°	5436.8	3918.0	2701.9	2361.6	2202.6	2115.7	2070.7	2007.7	1941.7	1890.8	1886.3
37.5°	5754.7	3953.9	2603.0	2267.1	2132.2	2082.7	2045.2	1959.7	1877.3	1815.8	1808.3
40°	6062.1	3983.9	2480.0	2178.6	2067.7	2058.7	2007.7	1901.2	1758.8	1689.8	1683.8
42.5°	6348.5	3992.9	2351.1	2084.2	2009.2	2004.7	1947.7	1782.8	1673.3	1629.9	1623.9
45°	6544.9	3985.4	2217.6	1995.7	1950.7	1926.7	1866.8	1697.3	1629.9	1590.9	1583.4
47.5°	6690.4	3946.4	2067.7	1902.7	1884.8	1851.8	1722.8	1643.3	1580.4	1541.4	1533.9
50°	6664.9	3784.5	1916.2	1812.8	1805.3	1776.8	1617.9	1575.9	1520.4	1478.4	1472.4
52.5°	6532.9	3477.1	1761.8	1713.8	1728.8	1673.3	1542.9	1494.9	1446.9	1398.9	1388.5
55°	6565.9	3255.2	1644.8	1617.9	1644.8	1518.9	1458.9	1407.9	1363.0	1316.5	1307.5
57.5°	6709.8	3036.3	1520.4	1514.4	1542.9	1400.4	1351.0	1286.5	1222.0	1184.5	1184.5
60°	5634.8	2213.1	1301.5	1316.5	1381.0	1304.5	1261.0	1195.0	1124.6	1091.6	1091.6
62.5°	3331.7	1388.5	1079.6	1063.1	1103.6	1151.5	1175.5	1121.6	1037.6	994.1	995.6
65°	1467.9	1010.6	952.1	938.6	926.6	959.6	1025.6	1030.1	941.6	890.6	892.1
67.5°	904.1	914.6	890.6	880.2	869.7	863.7	857.7	860.7	836.7	790.2	788.7
70°	815.7	844.2	827.7	818.7	805.2	794.7	758.7	700.2	659.7	647.7	661.2
72.5°	701.7	740.7	731.7	727.2	710.7	685.2	637.2	580.3	532.3	502.3	508.3
75°	529.3	560.8	565.3	566.8	548.8	524.8	475.3	427.3	385.3	353.9	361.4
77.5°	304.4	322.4	326.9	331.4	317.9	308.9	275.9	241.4	218.9	185.9	194.9
80°	169.4	176.9	176.9	178.4	170.9	160.4	137.9	118.5	108.0	93.0	94.5
82.5°	102.0	105.0	106.5	108.0	103.5	93.0	76.5	63.0	57.0	49.5	48.0
85°	49.5	52.5	52.5	54.0	46.5	40.5	31.5	24.0	21.0	15.0	16.5
87.5°	12.0	13.5	13.5	12.0	10.5	7.5	4.5	1.5	0.0	0.0	0.0
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)