

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: P642341

Luminaire Tested: GWS-SA6C-760-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28422.4 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

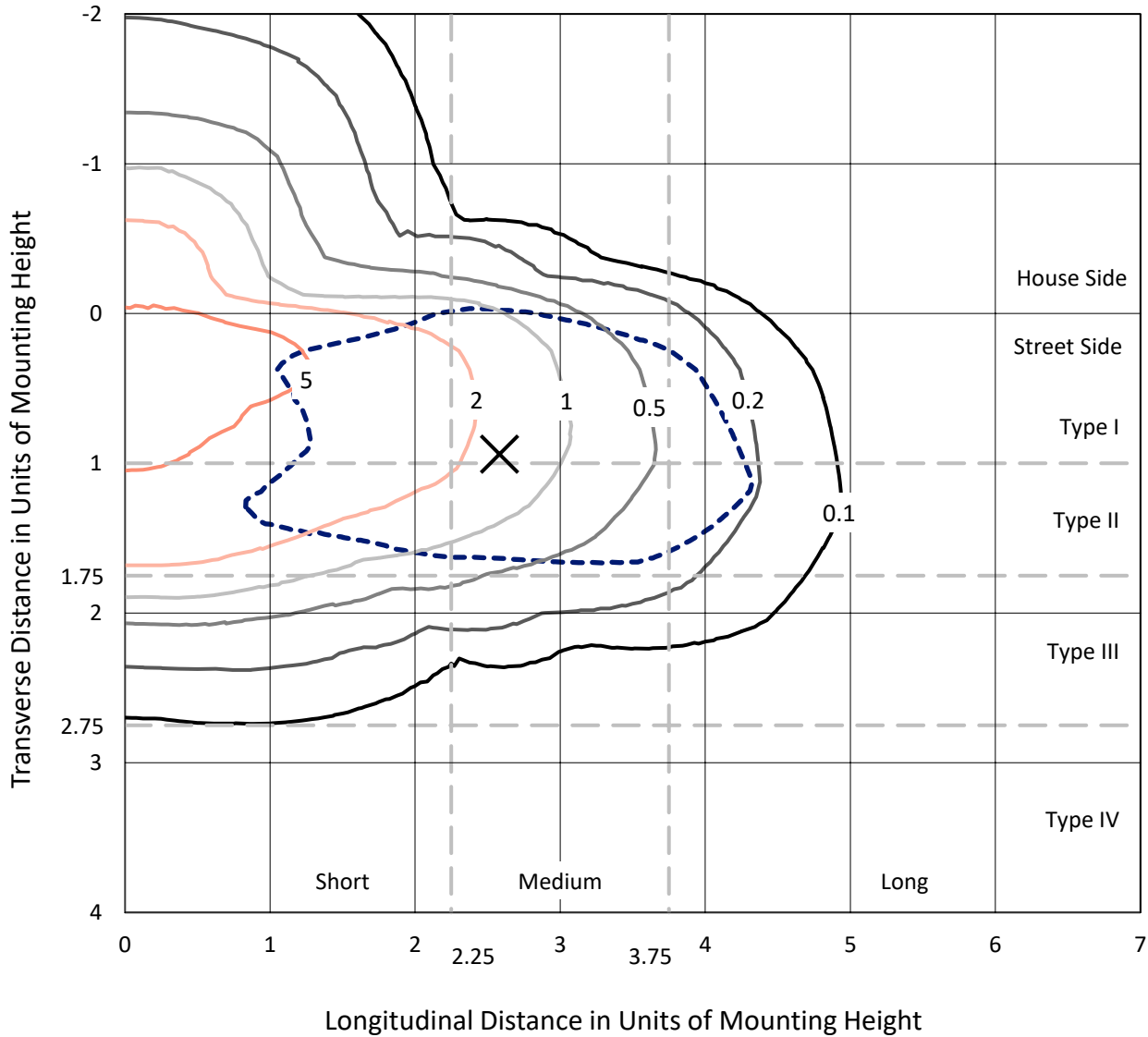
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642341
 CATALOG NUMBER: GWS-SA6C-760-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

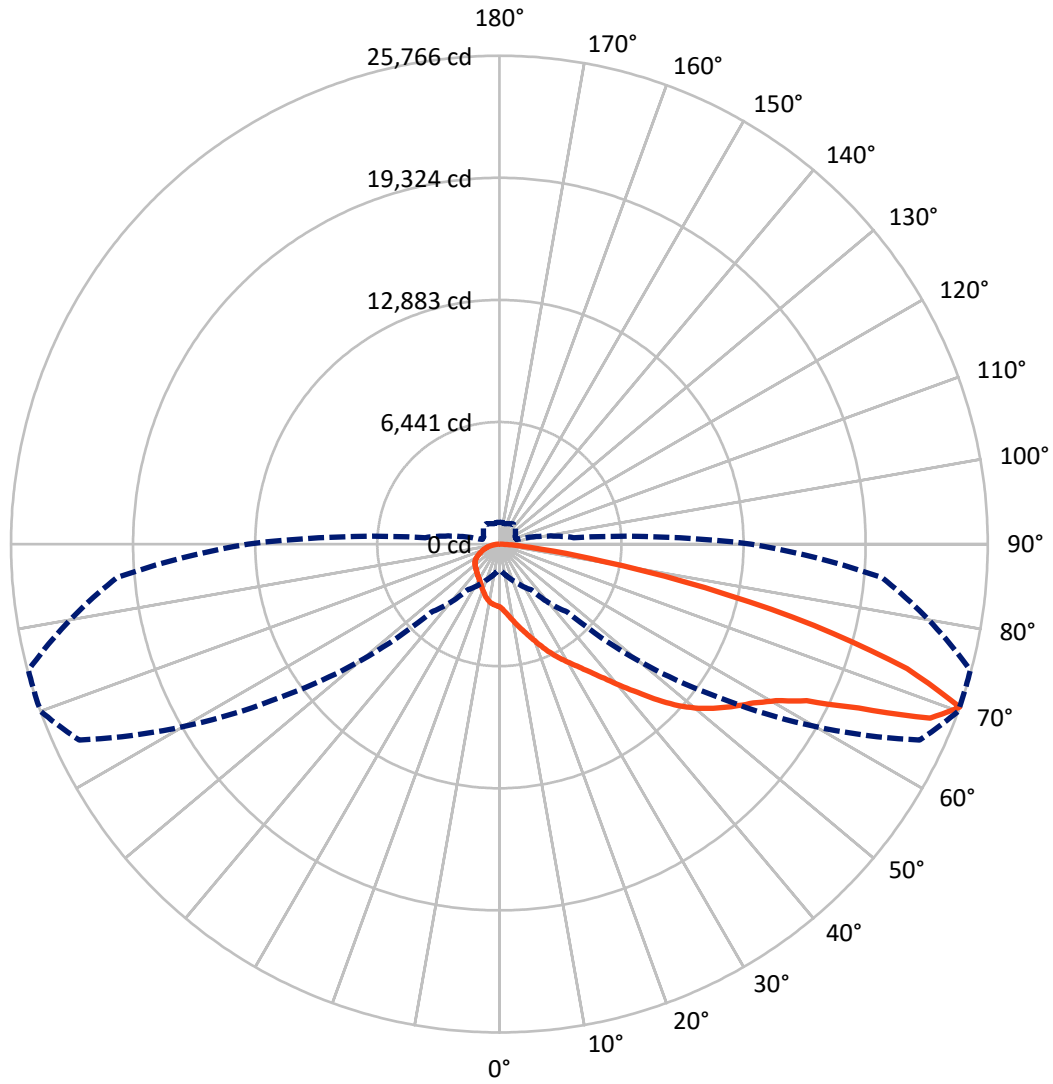
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P642341
CATALOG NUMBER: GWS-SA6C-760-U-T2-W

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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CATALOG NUMBER: GWS-SA6C-760-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5093.4	0.0	5093.4
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	23329.0	0.0	23329.0
	% Fixture	82.1	0.0	82.1
Total	Lumens	28422.4	0.0	28422.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.9	1.2
10°-20°	1095.9	3.9
20°-30°	1941.5	6.8
30°-40°	2921.9	10.3
40°-50°	4420.5	15.6
50°-60°	6332.7	22.3
60°-70°	7000.1	24.6
70°-80°	3950.3	13.9
80°-90°	422.5	1.5
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°	28422.4	100.0
0°-180°	28422.4	100.0

Coefficient of Utilization



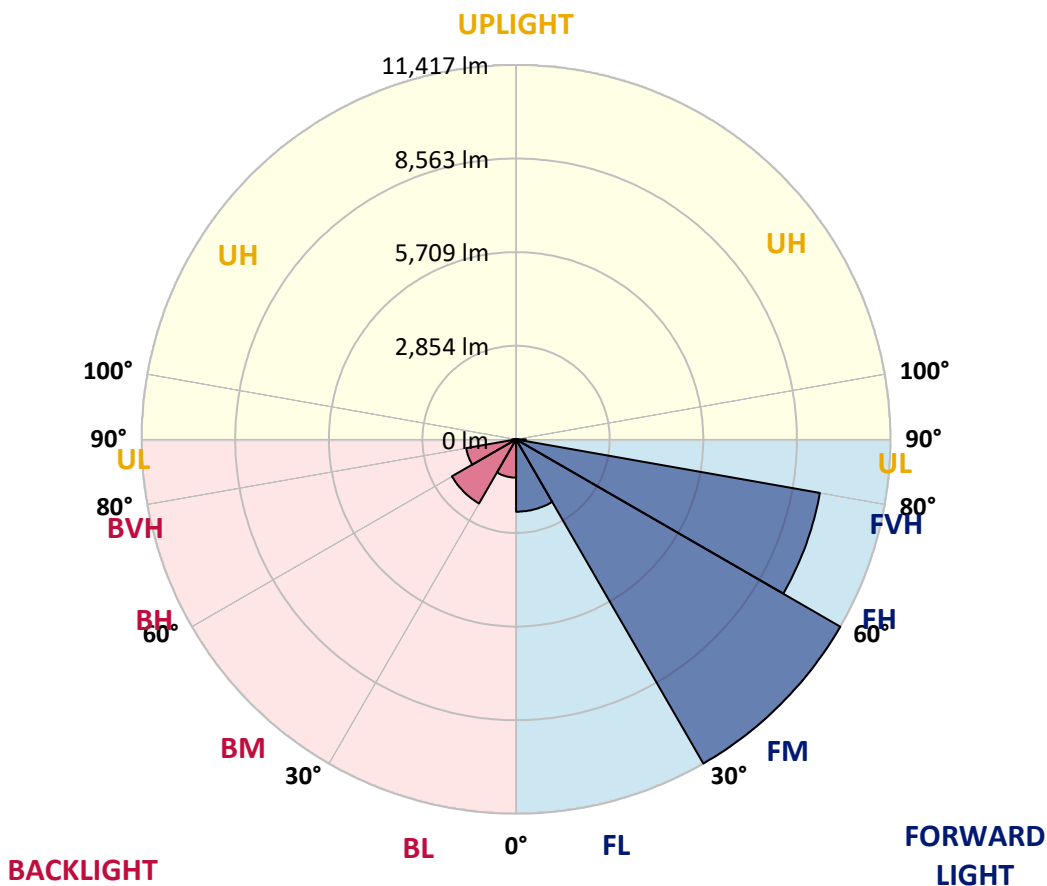
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2206.4	7.8			
FM (30°-60°)	11417.3	40.2			
FH (60°-80°)	9406.6	33.1			G4/12000
FVH (80°-90°)	298.7	1.1			G3/500
BL (0°-30°)	1167.8	4.1	B3/2500		
BM (30°-60°)	2257.9	7.9	B2/2500		
BH (60°-80°)	1543.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	123.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Medium





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CATALOG NUMBER: GWS-SA6C-760-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6
2.5°	3672.0	3665.8	3669.9	3665.8	3643.2	3587.8	3542.6	3485.1	3446.1	3423.5	3370.1
5°	4103.3	4097.1	4082.7	4062.2	4021.1	3945.1	3832.2	3706.9	3630.9	3573.4	3460.5
7.5°	4413.4	4413.4	4411.3	4386.7	4357.9	4277.8	4144.3	3980.0	3869.1	3770.6	3585.7
10°	4571.5	4581.8	4596.1	4631.0	4624.9	4581.8	4456.5	4279.9	4140.2	4025.2	3750.0
12.5°	4657.7	4663.9	4688.6	4760.4	4834.4	4844.6	4770.7	4585.9	4433.9	4279.9	3932.8
15°	4768.6	4770.7	4803.6	4889.8	4998.7	5107.5	5089.0	4904.2	4748.1	4577.7	4136.1
17.5°	4854.9	4869.3	4928.8	5029.5	5165.0	5314.9	5405.3	5290.3	5097.2	4902.1	4357.9
20°	4885.7	4896.0	4974.0	5128.0	5312.9	5524.4	5725.7	5694.9	5499.8	5269.7	4608.5
22.5°	4996.6	4996.6	5054.1	5183.5	5401.2	5709.2	6035.8	6115.9	5943.4	5674.3	4877.5
25°	5241.0	5232.8	5259.5	5312.9	5477.2	5857.1	6341.8	6582.0	6389.0	6087.1	5146.5
27.5°	5575.7	5571.6	5569.6	5577.8	5633.2	5986.5	6600.5	7017.4	6824.4	6483.5	5386.8
30°	5939.2	5926.9	5953.6	5929.0	5916.7	6140.5	6820.3	7407.6	7257.7	6875.7	5586.0
32.5°	6434.2	6411.6	6405.4	6325.3	6276.0	6380.8	6996.9	7851.2	7732.1	7298.8	5809.9
35°	7087.3	7066.7	6962.0	6834.6	6688.8	6738.1	7216.6	8284.5	8292.8	7828.6	6103.5
37.5°	7746.5	7750.6	7668.4	7368.6	7218.7	7189.9	7551.4	8812.3	8989.0	8461.2	6483.5
40°	8294.8	8319.5	8319.5	8003.2	7779.3	7752.6	8021.7	9438.7	9789.9	9237.5	6964.0
42.5°	8711.7	8734.3	8806.2	8578.2	8342.1	8434.5	8592.6	10067.1	10697.6	10196.5	7571.9
45°	9169.7	9188.2	9227.2	9095.8	8958.2	9204.6	9239.5	10818.8	11736.8	11272.7	8278.4
47.5°	9777.6	9761.1	9765.3	9668.7	9561.9	9960.4	9952.1	11451.3	12741.0	12451.5	9044.4
50°	10533.3	10564.1	10535.4	10344.4	10219.1	10582.6	10629.9	12151.6	13624.1	13618.0	9816.6
52.5°	11260.3	11272.7	11424.6	11432.8	11176.1	11100.1	11223.4	12858.1	14369.6	14685.9	10558.0
55°	11297.3	11344.5	11800.4	12129.0	12543.9	11933.9	11823.0	13531.7	15090.4	15731.2	11328.1
57.5°	10510.7	10586.7	11361.0	12069.5	13223.6	13365.4	12849.9	14402.5	15811.3	16760.1	12219.4
60°	8830.8	8989.0	10040.4	11124.8	12917.7	14394.2	14950.8	15585.4	16758.0	17811.6	13301.7
62.5°	5639.4	5701.0	7175.6	8991.0	11539.6	14293.6	17238.6	17669.9	18199.7	19181.4	14969.3
65°	2823.8	3021.0	3885.6	5366.3	8321.5	12595.2	18394.8	21487.7	20838.7	21526.7	17671.9
67.5°	1916.1	1979.7	2417.2	3224.3	4879.5	8923.2	17678.1	24703.7	24512.7	24625.7	20553.2
70°	1412.9	1454.0	1799.0	2283.7	2951.1	5066.4	14073.9	24461.4	25765.5	25724.4	20251.3
72.5°	1030.9	1051.5	1312.3	1743.6	2187.2	2620.5	8594.7	19760.5	22491.9	23676.9	17710.9
75°	749.6	774.2	911.8	1304.1	1700.4	1634.7	4242.9	14273.1	17152.3	19431.9	14429.2
77.5°	558.6	589.4	653.1	817.4	1191.1	1170.6	1833.9	9268.3	11094.0	12691.7	8765.1
80°	402.5	408.7	445.6	523.7	755.8	685.9	872.8	4832.3	5540.8	6070.7	3435.8
82.5°	244.4	250.5	297.8	322.4	468.2	431.3	453.9	1564.9	2242.6	2380.2	1283.6
85°	71.9	76.0	135.5	147.9	195.1	184.8	182.8	636.6	759.9	971.4	505.2
87.5°	0.0	0.0	0.0	0.0	2.1	12.3	22.6	113.0	170.5	236.2	123.2
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°	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6	3314.6
2.5°	3349.6	3302.3	3277.7	3234.5	3203.7	3172.9	3142.1	3113.4	3101.1	3082.6	3086.7
5°	3409.1	3335.2	3261.2	3177.0	3105.2	3045.6	2992.2	2945.0	2924.4	2906.0	2914.2
7.5°	3499.5	3388.6	3246.9	3092.8	2979.9	2897.7	2842.3	2809.4	2799.2	2784.8	2784.8
10°	3614.5	3448.1	3199.6	2979.9	2844.3	2778.6	2754.0	2751.9	2762.2	2764.3	2760.1
12.5°	3741.8	3505.6	3129.8	2846.4	2731.4	2710.9	2729.3	2764.3	2799.2	2817.6	2813.5
15°	3873.2	3542.6	3010.7	2719.1	2649.2	2675.9	2735.5	2805.3	2873.1	2908.0	2906.0
17.5°	3996.5	3550.8	2856.7	2595.9	2577.4	2645.1	2747.8	2856.7	2949.1	2998.4	3000.4
20°	4134.1	3536.4	2698.5	2485.0	2505.5	2616.4	2751.9	2883.4	2992.2	3041.5	3053.8
22.5°	4259.3	3487.1	2544.5	2380.2	2443.9	2581.5	2719.1	2842.3	2938.8	2986.1	3002.5
25°	4372.3	3392.7	2376.1	2291.9	2396.6	2532.2	2636.9	2723.2	2791.0	2819.7	2842.3
27.5°	4433.9	3251.0	2248.8	2222.1	2351.5	2462.4	2519.9	2546.6	2569.2	2560.9	2577.4
30°	4446.2	3074.4	2137.9	2166.6	2283.7	2365.8	2378.2	2351.5	2312.4	2248.8	2263.2
32.5°	4433.9	2871.0	2045.5	2107.1	2207.7	2257.0	2240.6	2170.7	2076.3	1977.7	1983.9
35°	4438.0	2665.7	1969.5	2041.4	2119.4	2146.1	2105.0	2008.5	1907.9	1817.5	1813.4
37.5°	4483.2	2493.2	1905.8	1977.7	2033.1	2037.3	1992.1	1891.4	1840.1	1772.3	1764.1
40°	4608.5	2365.8	1848.3	1914.0	1948.9	1946.9	1895.5	1823.7	1858.6	1836.0	1829.8
42.5°	4813.8	2287.8	1801.1	1846.3	1870.9	1875.0	1833.9	1788.8	1864.7	1836.0	1825.7
45°	5144.5	2283.7	1768.2	1778.5	1817.5	1846.3	1817.5	1766.2	1794.9	1655.3	1628.6
47.5°	5536.7	2353.5	1743.6	1718.9	1786.7	1838.0	1792.9	1710.7	1651.2	1523.8	1505.3
50°	6009.1	2495.2	1721.0	1655.3	1741.5	1807.2	1762.1	1649.1	1558.7	1491.0	1480.7
52.5°	6569.7	2682.1	1692.2	1583.4	1673.7	1790.8	1762.1	1642.9	1523.8	1462.2	1452.0
55°	7157.1	2897.7	1659.4	1497.1	1597.8	1794.9	1776.4	1599.8	1497.1	1464.3	1456.1
57.5°	7886.1	3156.5	1599.8	1396.5	1530.0	1758.0	1718.9	1575.2	1478.6	1452.0	1443.7
60°	8832.9	3540.5	1486.9	1293.8	1452.0	1692.2	1667.6	1534.1	1429.4	1406.8	1400.6
62.5°	10332.1	4191.6	1349.3	1195.2	1359.5	1554.6	1591.6	1456.1	1367.8	1365.7	1363.6
65°	12775.9	4974.0	1187.0	1106.9	1263.0	1441.7	1491.0	1376.0	1304.1	1326.7	1324.6
67.5°	14488.7	5041.8	1053.5	1014.5	1150.1	1318.5	1390.3	1293.8	1215.8	1258.9	1256.9
70°	13270.9	3932.8	938.5	918.0	1028.9	1185.0	1281.5	1191.1	1113.1	1154.2	1146.0
72.5°	11192.6	3014.8	829.7	817.4	905.7	1045.3	1141.8	1088.5	1006.3	1006.3	987.8
75°	8995.1	2487.0	714.7	708.5	768.1	903.6	1012.5	922.1	846.1	842.0	829.7
77.5°	5158.8	1630.6	599.7	595.6	614.1	755.8	786.6	768.1	710.6	683.9	675.7
80°	2055.7	848.2	472.3	445.6	464.1	554.5	620.2	589.4	540.1	507.3	488.8
82.5°	796.8	425.1	332.7	291.6	318.3	400.5	449.8	439.5	406.6	332.7	312.2
85°	324.5	207.4	199.2	168.4	184.8	215.6	258.8	223.9	184.8	131.4	125.3
87.5°	86.3	76.0	73.9	45.2	34.9	10.3	2.1	0.0	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)