

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: P642173

Luminaire Tested: GWS-SA6C-735-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642173
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16635.3 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

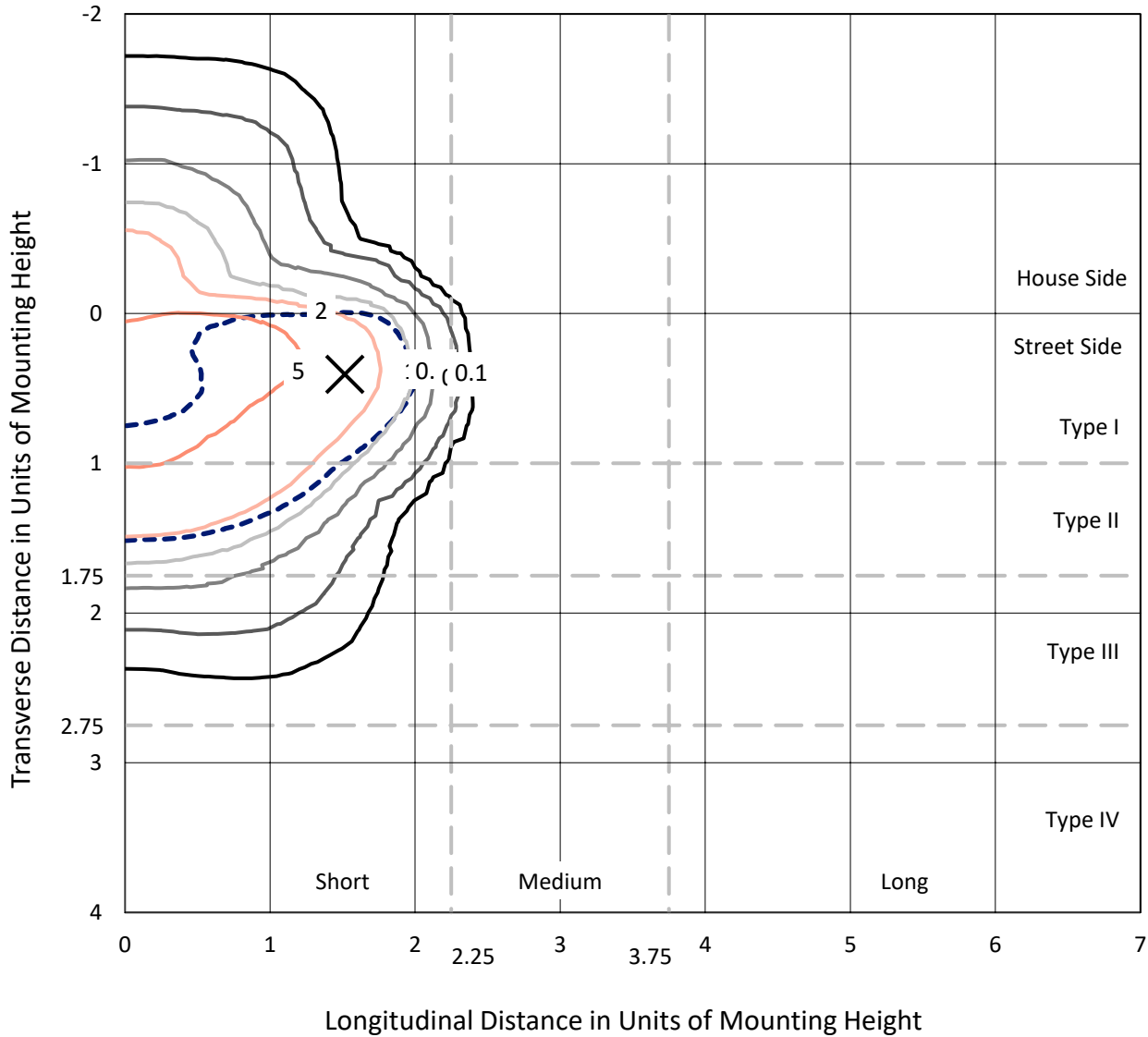
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642173
 CATALOG NUMBER: GWS-SA6C-735-U-T2-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

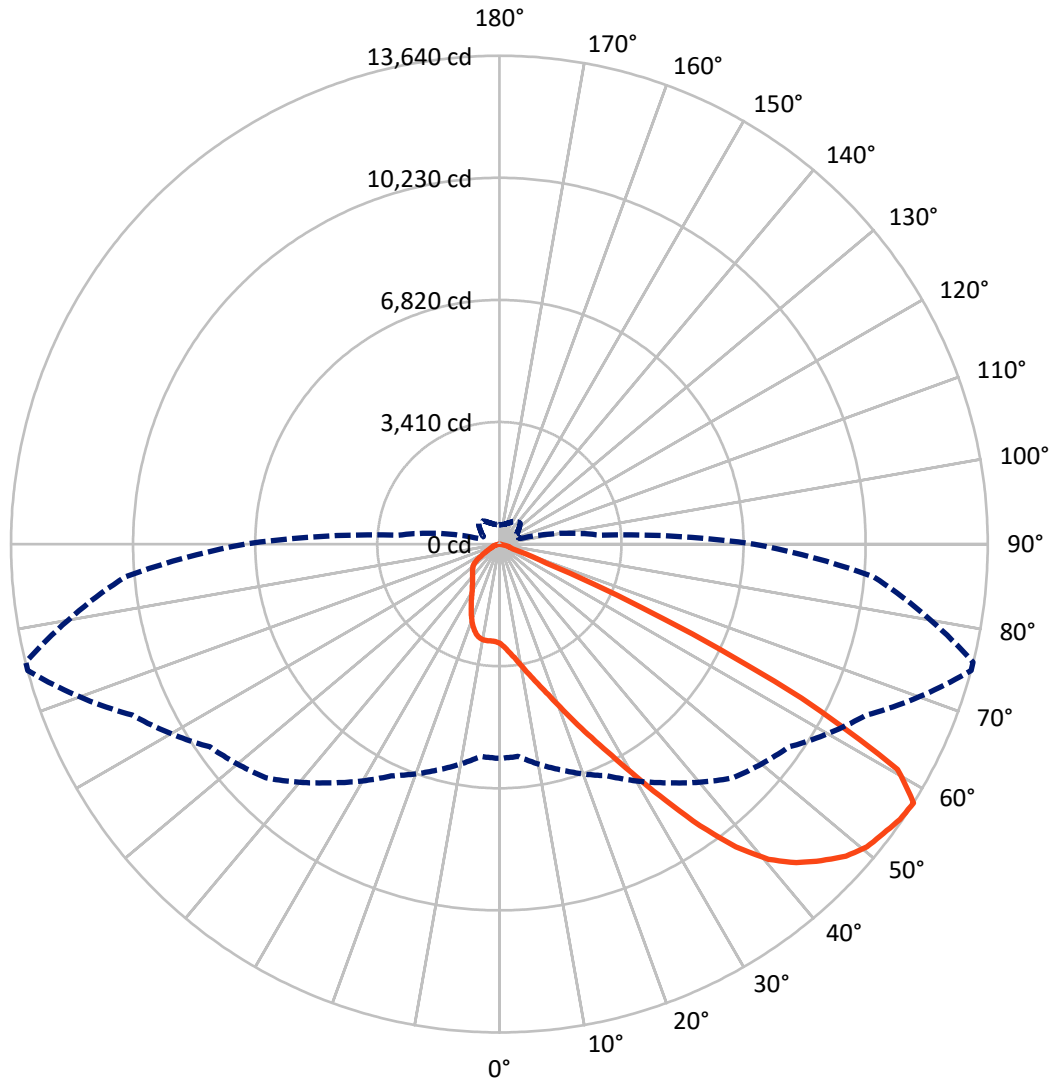
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc
 Type II - Short - N/A

REPORT NUMBER: P642173
CATALOG NUMBER: GWS-SA6C-735-U-T2-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P642173

CATALOG NUMBER: GWS-SA6C-735-U-T2-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2717.3	0.0	2717.3
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	13918.0	0.0	13918.0
	% Fixture	83.7	0.0	83.7
Total	Lumens	16635.3	0.0	16635.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.3	1.7
10°-20°	917.1	5.5
20°-30°	1679.5	10.1
30°-40°	2786.4	16.8
40°-50°	4255.6	25.6
50°-60°	4781.9	28.7
60°-70°	1763.8	10.6
70°-80°	168.6	1.0
80°-90°	0.1	0.0
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°	16635.3	100.0
0°-180°	16635.3	100.0

Coefficient of Utilization



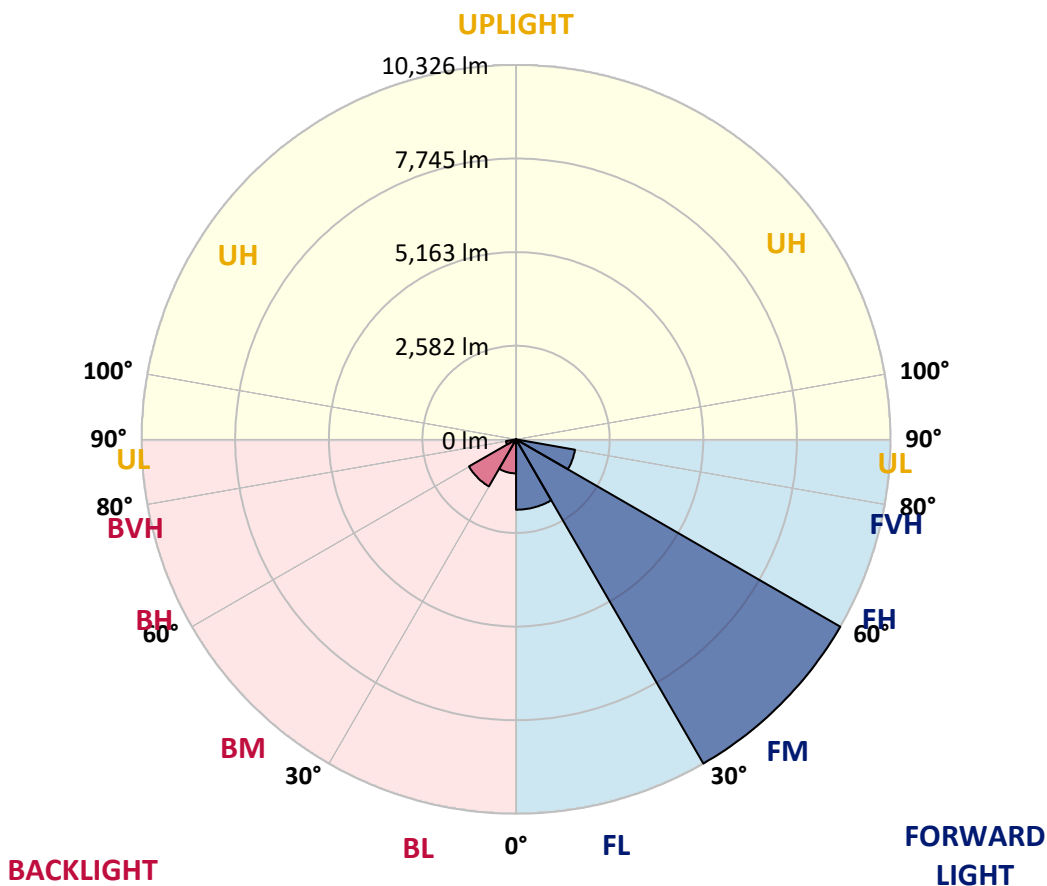
REPORT NUMBER: P642173

CATALOG NUMBER: GWS-SA6C-735-U-T2-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1941.3	11.7			
FM (30°-60°)	10326.4	62.1			
FH (60°-80°)	1650.2	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	937.7	5.6	B2/1000		
BM (30°-60°)	1497.4	9.0	B2/2500		
BH (60°-80°)	282.2	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P642173

CATALOG NUMBER: GWS-SA6C-735-U-T2-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5
2.5°	3099.8	3131.9	3121.9	3101.8	3089.7	3047.6	3021.5	2945.2	2891.0	2885.0	2834.8
5°	3491.3	3485.2	3477.2	3453.1	3433.0	3366.8	3288.5	3160.0	3045.6	3031.5	2925.1
7.5°	3706.1	3710.1	3714.1	3710.1	3696.0	3645.8	3559.5	3408.9	3234.3	3222.2	3053.6
10°	3794.4	3802.4	3822.5	3860.7	3894.8	3890.8	3840.6	3686.0	3471.2	3451.1	3224.2
12.5°	3836.6	3846.6	3878.7	3951.0	4043.4	4115.6	4123.7	3985.1	3748.2	3716.1	3427.0
15°	3894.8	3904.8	3945.0	4039.3	4173.9	4316.4	4408.7	4320.4	4055.4	4021.3	3649.9
17.5°	3920.9	3934.9	3993.2	4117.6	4292.3	4511.1	4719.9	4711.9	4418.8	4392.7	3908.8
20°	3971.1	3981.1	4033.3	4167.8	4378.6	4693.8	5045.2	5171.6	4862.5	4824.3	4222.0
22.5°	4129.7	4133.7	4157.8	4242.1	4438.9	4826.3	5376.4	5707.7	5386.5	5336.3	4573.4
25°	4388.7	4386.7	4396.7	4410.8	4555.3	4960.8	5695.6	6312.0	5986.7	5932.5	4970.9
27.5°	4717.9	4717.9	4742.0	4701.9	4760.1	5127.5	6010.8	7006.6	6685.4	6609.1	5406.5
30°	5105.4	5103.4	5159.6	5095.3	5113.4	5390.5	6350.1	7763.5	7528.6	7434.2	5908.4
32.5°	5631.4	5619.3	5683.6	5595.2	5535.0	5788.0	6763.7	8554.5	8538.4	8393.9	6538.8
35°	6295.9	6275.8	6295.9	6209.6	6101.2	6344.1	7305.7	9343.5	9658.7	9506.1	7289.7
37.5°	6956.4	7020.7	7042.7	6894.2	6805.8	7048.8	7958.2	10050.2	10728.7	10570.1	8070.6
40°	7735.4	7715.3	7791.6	7625.0	7568.7	7837.8	8596.6	10576.2	11576.0	11425.4	8765.3
42.5°	8309.6	8345.7	8440.1	8347.7	8303.5	8556.5	9132.7	10883.3	12164.2	12015.6	9261.2
45°	8998.2	9024.3	9060.4	8984.1	8937.9	9186.9	9520.2	11017.8	12611.9	12451.3	9594.4
47.5°	9743.0	9763.1	9763.1	9606.5	9457.9	9560.3	9779.1	11094.1	13023.5	12868.9	9841.4
50°	10277.0	10287.1	10375.4	10265.0	9941.8	9783.2	9897.6	11168.4	13296.5	13151.9	9921.7
52.5°	9803.2	9791.2	10082.3	10311.2	10397.5	10082.3	10102.4	11276.8	13429.0	13304.5	9985.9
55°	8255.4	8235.3	8644.8	9200.9	9961.8	10365.4	10349.3	11341.1	13575.6	13499.3	10218.8
57.5°	5984.7	5950.6	6520.8	7139.1	8136.9	9231.1	9873.5	11304.9	13639.8	13633.8	10489.8
60°	3597.7	3569.6	4107.6	4758.1	5529.0	6629.2	7695.2	10126.5	12780.5	12792.6	9785.2
62.5°	2214.4	2240.5	2726.4	3057.6	3344.7	3676.0	4292.3	6811.9	9468.0	9546.3	6876.1
65°	1489.7	1509.7	1959.4	2377.0	2377.0	1943.4	1668.3	3256.4	5051.2	4918.7	3252.4
67.5°	999.8	1021.9	1377.2	1865.1	1935.3	1355.1	676.6	971.7	1407.3	1365.2	805.1
70°	588.2	612.3	917.5	1278.9	1409.4	943.6	451.7	411.6	399.5	387.5	313.2
72.5°	263.0	273.0	467.8	650.5	594.3	397.5	319.2	329.3	311.2	305.2	255.0
75°	80.3	84.3	120.5	140.5	142.5	142.5	192.7	259.0	244.9	246.9	196.7
77.5°	20.1	20.1	32.1	30.1	16.1	14.1	36.1	58.2	60.2	54.2	40.2
80°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P642173

CATALOG NUMBER: GWS-SA6C-735-U-T2-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5	2774.5
2.5°	2812.7	2760.5	2726.4	2678.2	2644.0	2607.9	2575.8	2549.7	2535.6	2531.6	2533.6
5°	2876.9	2794.6	2714.3	2622.0	2557.7	2497.5	2449.3	2411.2	2393.1	2387.1	2387.1
7.5°	2975.3	2860.9	2718.3	2573.8	2465.4	2371.0	2314.8	2272.6	2256.6	2252.6	2240.5
10°	3103.8	2947.2	2712.3	2487.4	2334.9	2236.5	2196.3	2184.3	2190.3	2192.3	2190.3
12.5°	3258.4	3037.5	2674.2	2361.0	2196.3	2136.1	2140.1	2172.2	2208.4	2226.5	2230.5
15°	3423.0	3119.8	2587.8	2210.4	2077.9	2075.9	2134.1	2208.4	2278.7	2308.8	2316.8
17.5°	3607.7	3186.1	2455.3	2049.8	1975.5	2033.7	2138.1	2252.6	2346.9	2397.1	2407.1
20°	3810.5	3240.3	2286.7	1899.2	1885.2	1989.6	2134.1	2274.6	2391.1	2447.3	2457.3
22.5°	4021.3	3278.5	2091.9	1760.7	1802.8	1939.4	2096.0	2232.5	2342.9	2407.1	2415.2
25°	4262.2	3282.5	1893.2	1644.2	1726.6	1871.1	2003.6	2116.0	2208.4	2264.6	2270.6
27.5°	4473.0	3234.3	1716.5	1549.9	1656.3	1786.8	1875.1	1937.4	2001.6	2033.7	2035.7
30°	4715.9	3150.0	1549.9	1473.6	1584.0	1682.4	1726.6	1740.6	1746.6	1752.7	1744.6
32.5°	5005.0	3047.6	1425.4	1399.3	1501.7	1568.0	1580.0	1551.9	1517.8	1469.6	1457.5
35°	5360.4	2955.2	1323.0	1327.0	1411.4	1451.5	1441.5	1381.2	1315.0	1256.8	1246.7
37.5°	5745.8	2876.9	1244.7	1256.8	1313.0	1341.1	1311.0	1244.7	1214.6	1164.4	1166.4
40°	6087.1	2812.7	1174.5	1186.5	1212.6	1238.7	1190.5	1146.4	1202.6	1198.6	1202.6
42.5°	6330.0	2758.5	1114.2	1108.2	1126.3	1144.3	1108.2	1086.1	1180.5	1154.4	1168.4
45°	6472.6	2708.3	1064.0	1027.9	1056.0	1088.1	1064.0	1035.9	1068.1	947.6	937.6
47.5°	6568.9	2680.2	1019.9	949.6	999.8	1056.0	1005.8	937.6	891.4	787.0	779.0
50°	6579.0	2666.1	967.7	869.3	933.5	993.8	935.6	841.2	774.9	728.8	722.7
52.5°	6631.2	2694.2	895.4	766.9	837.2	933.5	893.4	799.0	708.7	668.5	660.5
55°	6864.1	2812.7	774.9	626.4	728.8	887.4	859.3	712.7	626.4	602.3	596.3
57.5°	7105.0	2836.8	610.3	495.9	634.4	821.1	785.0	656.5	572.2	544.1	538.0
60°	6496.7	2336.9	457.7	409.6	560.1	758.9	726.8	622.4	524.0	489.9	483.8
62.5°	4268.2	1262.8	363.4	347.3	471.8	642.4	662.5	562.1	467.8	431.6	429.6
65°	1967.5	586.2	279.1	275.0	369.4	511.9	570.2	491.9	395.5	363.4	363.4
67.5°	536.0	291.1	218.8	202.8	251.0	343.3	415.6	367.4	281.1	242.9	240.9
70°	267.0	234.9	196.7	174.7	180.7	212.8	244.9	204.8	142.5	116.4	114.4
72.5°	218.8	192.7	166.6	148.6	136.5	130.5	126.5	102.4	66.3	50.2	48.2
75°	162.6	138.5	118.4	96.4	82.3	76.3	68.3	50.2	28.1	16.1	14.1
77.5°	36.1	34.1	32.1	24.1	22.1	18.1	14.1	10.0	4.0	0.0	0.0
80°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)