

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: P642313

Luminaire Tested: GWS-SA6C-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-760-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25988.9 lumens
Efficiency: N/A
Efficacy: 137.4 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

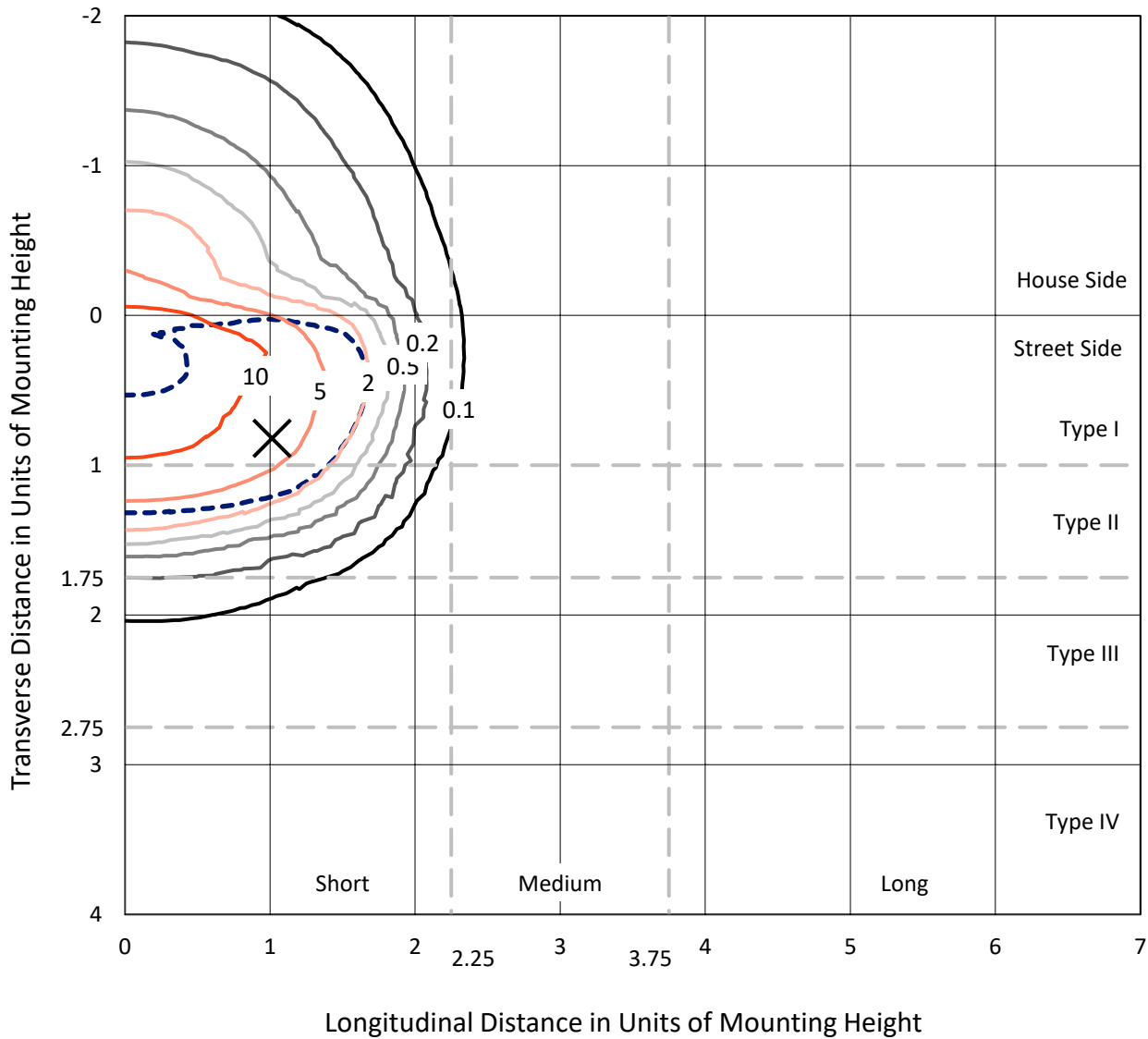


REPORT NUMBER: P642313

CATALOG NUMBER: GWS-SA6C-760-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

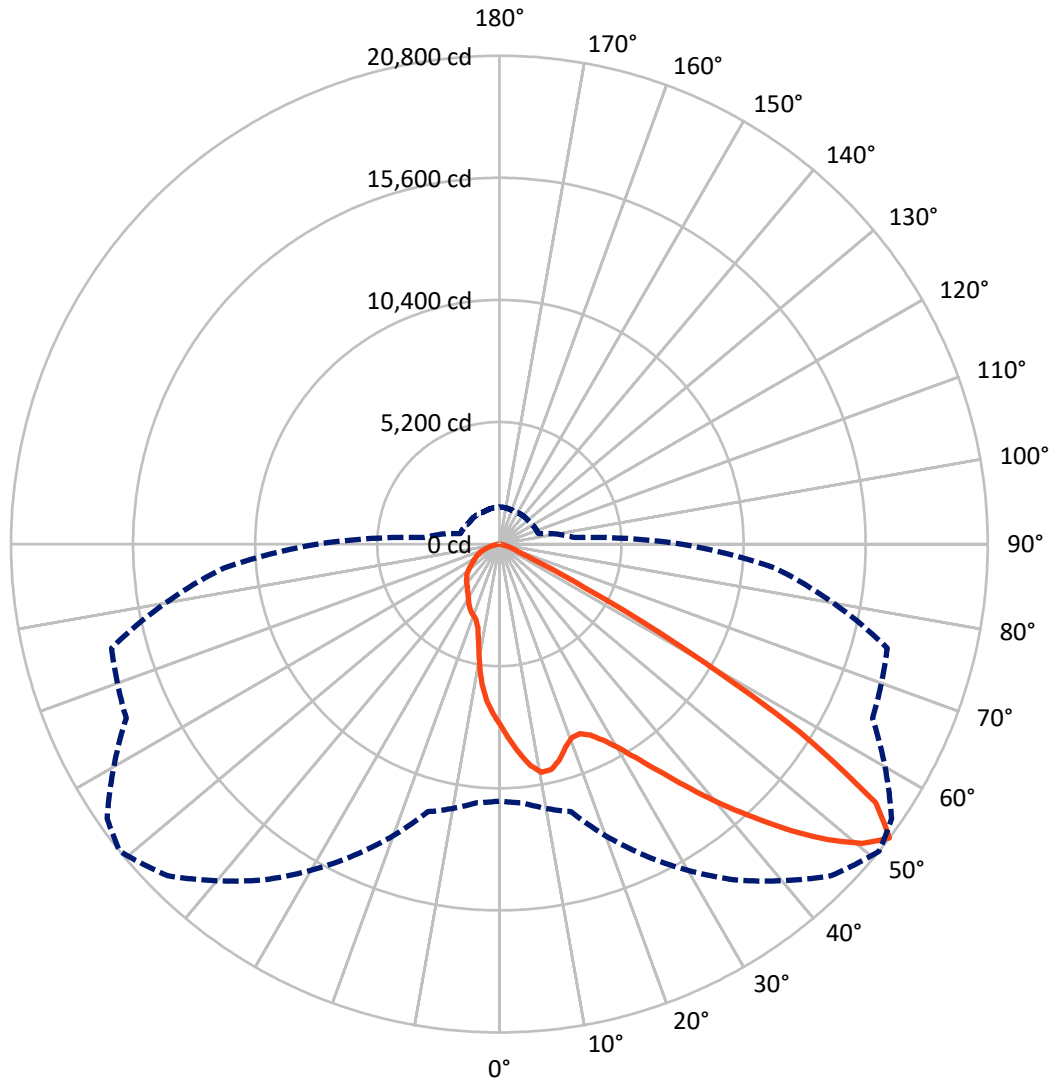
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 fc
 Type II - Short - N/A

REPORT NUMBER: P642313
CATALOG NUMBER: GWS-SA6C-760-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P642313

CATALOG NUMBER: GWS-SA6C-760-U-AFL-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5063.7	0.0	5063.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	20925.2	0.0	20925.2
	% Fixture	80.5	0.0	80.5
Total	Lumens	25988.9	0.0	25988.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.1	2.8
10°-20°	1876.3	7.2
20°-30°	3050.6	11.7
30°-40°	4834.6	18.6
40°-50°	7291.6	28.1
50°-60°	6307.8	24.3
60°-70°	1430.0	5.5
70°-80°	421.7	1.6
80°-90°	54.3	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°	25988.9	100.0
0°-180°	25988.9	100.0

Coefficient of Utilization



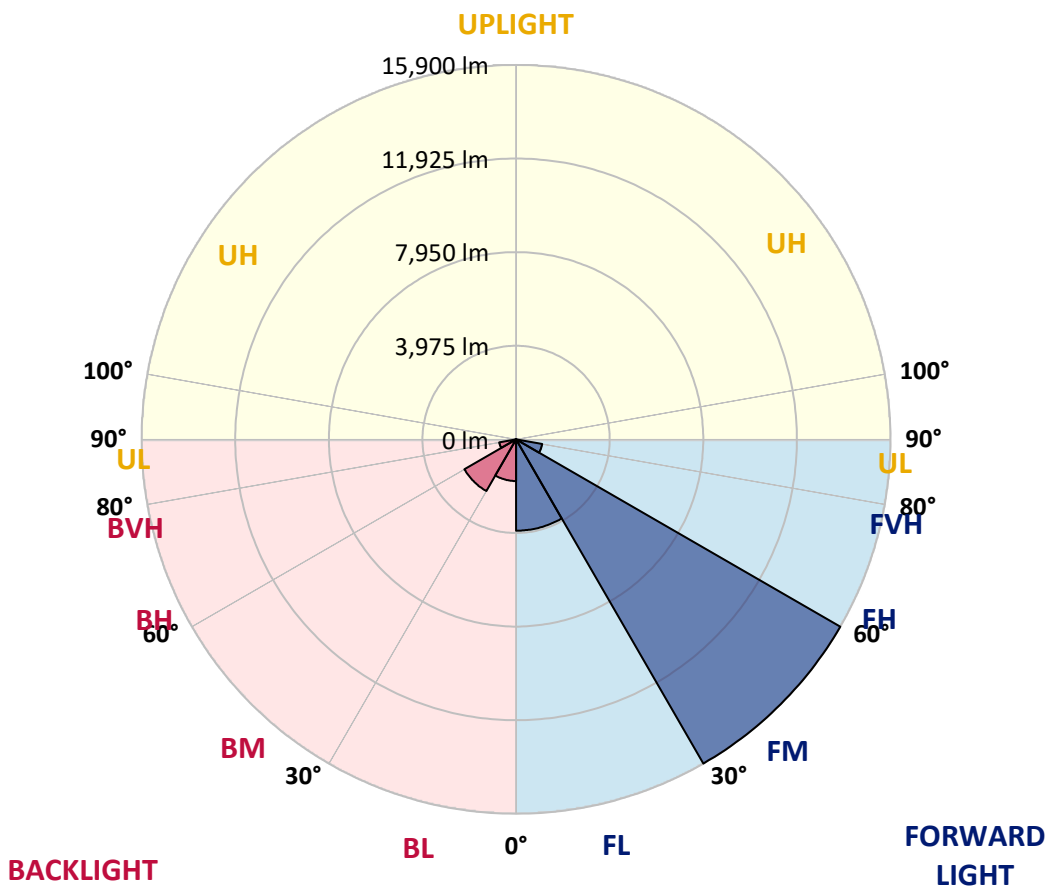
REPORT NUMBER: P642313

CATALOG NUMBER: GWS-SA6C-760-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3878.9	14.9			
FM (30°-60°)	15900.4	61.2			
FH (60°-80°)	1125.4	4.3			G1/1800
FVH (80°-90°)	20.5	0.1			G1/100
BL (0°-30°)	1770.1	6.8	B3/2500		
BM (30°-60°)	2533.5	9.7	B3/5000		
BH (60°-80°)	726.3	2.8	B2/1000		G2/1000
BVH (80°-90°)	33.8	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





REPORT NUMBER: P642313

CATALOG NUMBER: GWS-SA6C-760-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2
2.5°	8623.3	8672.6	8596.6	8567.9	8520.6	8438.5	8344.0	8317.3	8114.0	7980.5	7830.6
5°	9490.0	9516.7	9455.1	9393.4	9276.4	9130.6	8947.8	8908.8	8539.1	8233.1	7914.8
7.5°	9683.0	9672.7	9726.1	9761.0	9746.7	9689.2	9526.9	9450.9	9009.4	8524.7	8054.5
10°	8919.0	8861.5	9058.7	9292.8	9574.2	9898.6	9880.2	9874.0	9490.0	8917.0	8233.1
12.5°	7906.6	7877.8	8038.0	8331.7	8863.6	9582.4	9851.4	10060.9	9923.3	9290.8	8432.3
15°	7327.5	7317.2	7426.0	7637.6	8060.6	8968.3	9543.4	9958.2	10295.0	9691.2	8643.9
17.5°	7222.7	7228.9	7265.9	7387.0	7691.0	8438.5	9103.9	9683.0	10584.6	10130.7	8908.8
20°	7528.7	7569.8	7506.1	7524.6	7688.9	8247.5	8804.0	9405.8	10769.4	10572.2	9194.2
22.5°	8208.5	8194.1	8054.5	7972.3	7974.4	8364.6	8771.2	9276.4	10890.6	11001.5	9453.0
25°	8978.6	8962.2	8795.8	8613.1	8498.0	8682.9	9007.4	9414.0	10999.4	11393.7	9660.4
27.5°	9888.4	9837.0	9652.2	9418.1	9163.4	9243.5	9463.3	9785.7	11167.8	11779.8	9798.0
30°	10769.4	10829.0	10564.0	10286.8	10017.8	9968.5	10095.8	10387.4	11510.8	12231.6	9962.3
32.5°	11937.9	11917.4	11623.7	11262.3	10878.2	10841.3	10941.9	11208.9	12126.9	12855.9	10212.9
35°	13352.9	13357.0	12940.1	12451.3	11905.1	11806.5	11974.9	12233.7	13044.9	13702.0	10609.2
37.5°	14823.3	14817.2	14453.7	13899.2	13153.7	13014.0	13207.1	13400.1	14192.8	14854.1	11225.3
40°	15854.3	15895.3	15724.9	15433.3	14726.8	14385.9	14556.3	14689.8	15441.5	16209.5	12036.5
42.5°	16439.6	16501.2	16538.1	16712.7	16341.0	15977.5	15915.9	15985.7	16556.6	17468.4	12798.4
45°	16564.8	16647.0	16916.0	17562.9	17706.7	17604.0	17402.7	17234.3	17388.3	18361.8	13297.5
47.5°	16012.4	16156.1	16731.2	17862.7	18702.7	19025.1	18801.3	18544.6	17868.9	18591.8	13246.1
50°	13823.2	13991.6	15287.4	17250.7	18844.4	20019.1	20039.6	19659.7	17811.4	17928.5	12601.3
52.5°	10944.0	11059.0	11800.3	14624.1	17454.1	19978.0	20799.5	20392.8	17534.2	17098.8	11794.2
55°	6540.9	6725.7	7417.8	9648.1	13597.3	17706.7	19456.4	19653.5	17398.6	16402.6	11243.8
57.5°	2207.7	2298.0	2959.3	4261.3	8013.4	12964.8	15032.8	15833.7	15794.7	15338.8	10169.7
60°	1051.5	1072.0	1205.5	1616.2	3207.8	6775.0	8898.5	9822.7	10664.7	10748.9	6327.3
62.5°	800.9	813.2	881.0	969.3	1289.7	2854.6	4078.6	4785.0	5111.6	4386.6	2304.2
65°	669.5	679.8	731.1	786.6	876.9	1236.3	1564.9	1805.2	1626.5	1267.1	1098.7
67.5°	558.6	566.8	605.8	665.4	727.0	827.6	868.7	893.3	936.5	1051.5	1010.4
70°	437.4	445.6	486.7	538.1	597.6	622.3	661.3	685.9	772.2	920.0	915.9
72.5°	336.8	347.1	369.7	402.5	451.8	476.4	519.6	548.3	597.6	716.7	766.0
75°	246.4	252.6	273.1	283.4	289.6	283.4	326.5	359.4	425.1	470.3	482.6
77.5°	100.6	113.0	108.8	108.8	129.4	156.1	178.7	199.2	244.4	271.1	273.1
80°	41.1	45.2	53.4	59.6	71.9	92.4	106.8	115.0	135.5	152.0	164.3
82.5°	24.6	26.7	30.8	32.9	41.1	53.4	61.6	67.8	84.2	100.6	106.8
85°	12.3	12.3	14.4	16.4	20.5	24.6	28.8	32.9	43.1	53.4	59.6
87.5°	2.1	2.1	2.1	4.1	6.2	8.2	10.3	12.3	14.4	16.4	20.5
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: P642313
 CATALOG NUMBER: GWS-SA6C-760-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2	7738.2
2.5°	7742.3	7631.4	7502.0	7399.3	7280.2	7191.9	7066.6	6988.6	6914.7	6853.1	6807.9
5°	7750.5	7563.6	7294.6	7056.4	6809.9	6575.8	6335.5	6140.4	5965.9	5820.1	5807.8
7.5°	7797.7	7528.7	7107.7	6690.8	6210.3	5746.1	5282.0	4904.1	4616.6	4466.7	4435.9
10°	7877.8	7524.6	6916.7	6251.3	5431.9	4684.4	4134.0	3846.5	3680.2	3620.6	3600.1
12.5°	7962.0	7514.3	6672.3	5631.1	4493.4	3838.3	3536.4	3501.5	3532.3	3536.4	3534.3
15°	8064.7	7508.2	6364.3	4904.1	3807.5	3446.0	3466.6	3540.5	3612.4	3628.8	3628.8
17.5°	8190.0	7493.8	5945.3	4193.6	3378.3	3370.1	3478.9	3577.5	3645.2	3657.6	3657.6
20°	8321.4	7456.8	5429.9	3614.4	3203.7	3322.8	3439.9	3515.9	3563.1	3579.5	3581.6
22.5°	8411.8	7358.3	4836.4	3185.2	3094.9	3232.5	3316.7	3394.7	3394.7	3353.6	3341.3
25°	8430.3	7146.7	4193.6	2891.6	2965.5	3092.8	3179.1	3133.9	3049.7	3016.8	3014.8
27.5°	8362.5	6838.7	3559.0	2682.1	2809.4	2936.7	2922.4	2856.6	2819.7	2786.8	2799.1
30°	8280.4	6469.0	3008.6	2509.6	2628.7	2754.0	2704.7	2682.1	2655.4	2618.4	2626.6
32.5°	8224.9	6056.2	2585.6	2376.1	2507.5	2528.1	2563.0	2560.9	2536.3	2466.4	2462.3
35°	8241.3	5639.4	2302.2	2267.2	2406.9	2398.7	2464.4	2452.1	2281.6	2185.1	2178.9
37.5°	8372.8	5238.9	2135.8	2181.0	2246.7	2298.0	2355.5	2207.7	2148.1	2086.5	2090.6
40°	8623.3	4867.2	2045.4	2133.8	2150.2	2226.2	2092.7	2090.6	2063.9	2008.5	2006.4
42.5°	8906.7	4553.0	1983.8	2111.2	2088.6	2102.9	1961.2	1977.7	1975.6	1940.7	1930.4
45°	9079.2	4263.4	1934.5	2027.0	2033.1	1889.4	1846.2	1864.7	1875.0	1856.5	1854.5
47.5°	8900.6	3930.7	1883.2	1897.6	1951.0	1792.8	1739.5	1741.5	1760.0	1762.0	1753.8
50°	8399.5	3559.0	1821.6	1786.7	1751.8	1692.2	1642.9	1632.7	1651.1	1669.6	1675.8
52.5°	7752.6	3203.7	1718.9	1665.5	1583.4	1583.4	1560.8	1527.9	1552.6	1577.2	1585.4
55°	7278.2	2940.8	1573.1	1513.5	1423.2	1454.0	1449.9	1421.1	1454.0	1472.5	1478.6
57.5°	6306.8	2363.8	1384.2	1365.7	1289.7	1326.7	1334.9	1297.9	1281.5	1285.6	1291.8
60°	3743.8	1525.9	1248.6	1246.6	1178.8	1221.9	1246.6	1209.6	1160.3	1166.5	1174.7
62.5°	1679.9	1166.5	1078.2	1070.0	1067.9	1123.4	1150.0	1115.1	1045.3	1051.5	1059.7
65°	1057.6	1008.3	936.5	936.5	969.3	1016.6	1037.1	1008.3	928.3	918.0	926.2
67.5°	981.6	938.5	864.6	850.2	866.6	905.7	907.7	852.3	805.0	796.8	796.8
70°	881.0	848.2	776.3	747.5	741.4	739.3	733.2	718.8	688.0	679.8	683.9
72.5°	729.0	706.5	661.3	630.5	614.0	612.0	587.3	575.0	548.3	544.2	542.2
75°	482.6	488.8	488.8	484.7	470.3	464.1	437.4	425.1	394.3	382.0	379.9
77.5°	285.5	291.6	299.8	301.9	299.8	299.8	275.2	260.8	230.0	213.6	209.5
80°	174.6	178.7	182.8	188.9	180.7	174.6	152.0	137.6	123.2	113.0	110.9
82.5°	113.0	117.1	119.1	123.2	119.1	110.9	92.4	84.2	73.9	65.7	63.7
85°	63.7	65.7	69.8	69.8	63.7	57.5	47.2	41.1	34.9	30.8	30.8
87.5°	22.6	22.6	22.6	24.6	20.5	18.5	12.3	8.2	6.2	6.2	6.2
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)