

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: P642233

Luminaire Tested: GWS-SA6C-740-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642233
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24990.3 lumens
Efficiency: N/A
Efficacy: 132.1 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

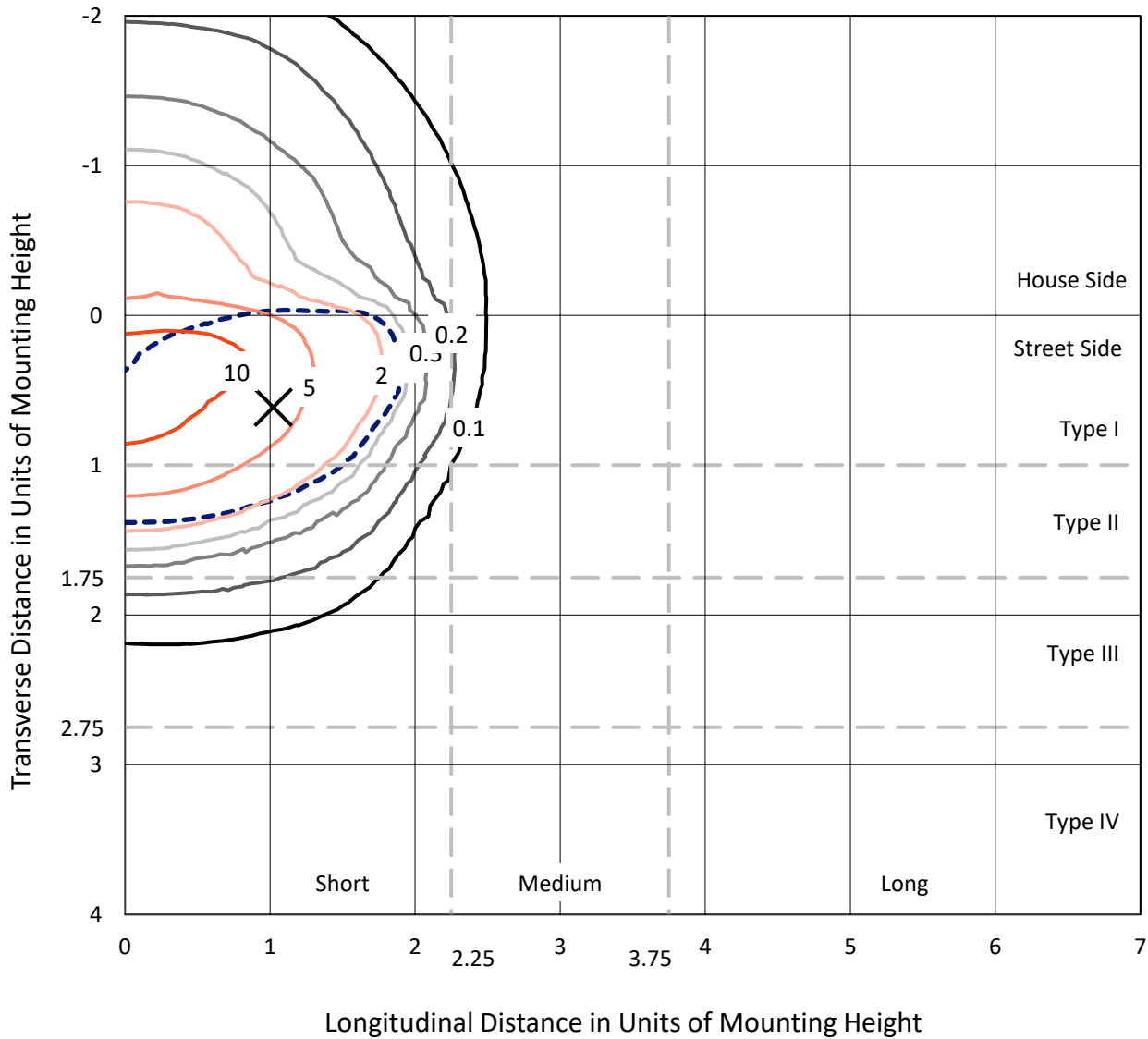


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Iso-Footcandle Lines of Horizontal Illumination

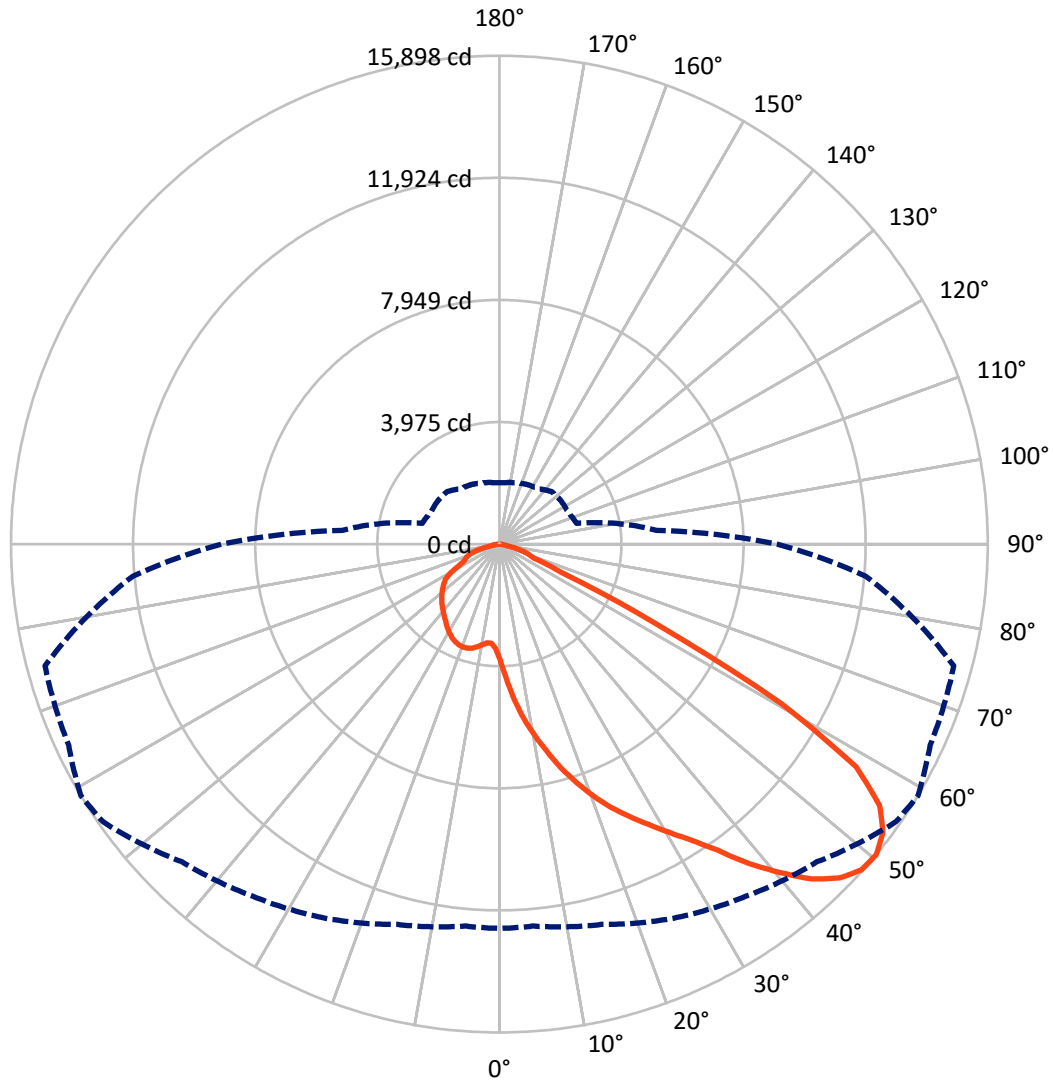
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12 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	5748.2	0.0	5748.2
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	19242.1	0.0	19242.1
	% Fixture	77.0	0.0	77.0
Total	Lumens	24990.3	0.0	24990.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	424.7	1.7
10°-20°	1541.9	6.2
20°-30°	2919.7	11.7
30°-40°	4841.9	19.4
40°-50°	6614.2	26.5
50°-60°	6004.0	24.0
60°-70°	1999.4	8.0
70°-80°	583.2	2.3
80°-90°	61.2	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°	24990.3	100.0
0°-180°	24990.3	100.0

Coefficient of Utilization



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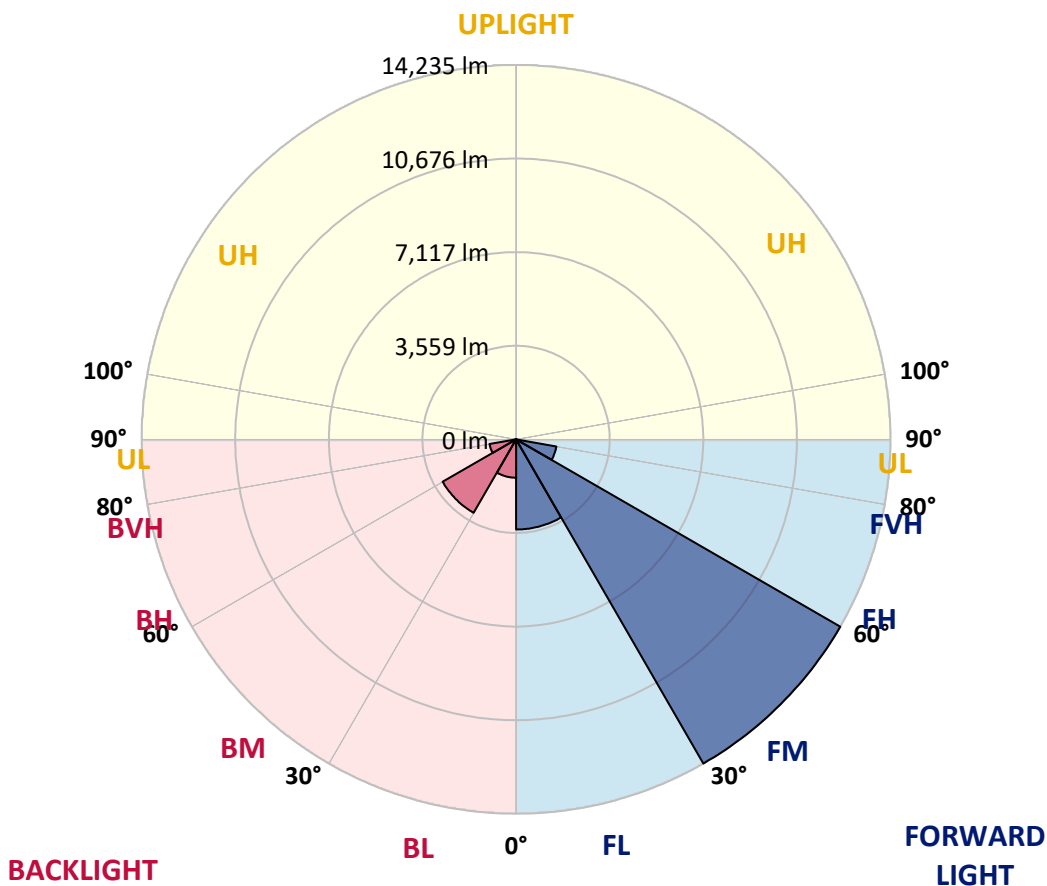
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3426.8	13.7			
FM (30°-60°)	14234.8	57.0			
FH (60°-80°)	1556.6	6.2			G1/1800
FVH (80°-90°)	23.9	0.1			G1/100
BL (0°-30°)	1459.6	5.8	B3/2500		
BM (30°-60°)	3225.3	12.9	B3/5000		
BH (60°-80°)	1026.0	4.1	B3/2500		G3/2500
BVH (80°-90°)	37.3	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2
2.5°	4905.8	4942.4	4885.4	4889.5	4747.0	4681.9	4498.7	4390.8	4319.5	4120.0	3938.9
5°	5895.1	5852.3	5807.6	5781.1	5656.9	5481.9	5253.9	5072.7	4905.8	4515.0	4138.4
7.5°	6501.7	6479.3	6448.8	6432.5	6310.3	6127.1	5899.2	5744.4	5502.2	4973.0	4380.6
10°	7016.7	6990.2	6971.9	6984.1	6884.4	6766.3	6518.0	6340.9	6068.1	5457.4	4673.7
12.5°	7415.7	7429.9	7436.0	7501.2	7458.4	7387.2	7130.7	6943.4	6640.1	5968.4	5017.7
15°	7731.2	7727.1	7798.4	7922.5	7991.7	7947.0	7741.4	7584.6	7214.1	6471.2	5388.2
17.5°	7804.5	7808.5	7920.5	8138.3	8364.3	8474.2	8358.2	8170.9	7804.5	6967.8	5772.9
20°	7863.5	7871.6	7987.7	8236.0	8565.8	8873.2	8891.5	8757.1	8441.6	7505.2	6163.8
22.5°	8236.0	8254.3	8284.9	8441.6	8738.8	9127.6	9341.3	9312.8	9048.2	8069.1	6585.2
25°	9215.1	9160.2	9011.6	8966.8	9080.8	9396.3	9760.7	9815.6	9685.4	8690.0	7039.1
27.5°	10424.3	10365.3	10145.4	9913.3	9667.0	9777.0	10165.8	10330.6	10332.7	9373.9	7495.1
30°	11521.5	11474.7	11295.5	10963.7	10538.3	10379.5	10666.5	10888.4	11020.7	10163.7	8014.1
32.5°	12459.9	12417.1	12174.9	11904.2	11488.9	11169.3	11273.1	11486.9	11796.3	11185.6	8659.4
35°	13249.7	13206.9	12974.9	12702.1	12317.4	12126.0	12089.4	12236.0	12637.0	12252.2	9400.4
37.5°	13890.9	13848.2	13605.9	13349.4	13056.3	13068.5	13123.5	13194.7	13424.8	13394.2	10192.2
40°	14306.2	14261.4	14088.4	13905.2	13719.9	13866.5	14139.2	14053.7	14175.9	14316.3	10921.0
42.5°	14491.4	14434.4	14334.7	14293.9	14237.0	14464.9	14990.1	14904.6	14758.1	14931.1	11462.4
45°	14306.2	14257.3	14255.3	14379.4	14511.8	14804.9	15578.4	15509.2	15138.7	15228.3	11786.1
47.5°	13738.2	13695.5	13811.5	14137.2	14462.9	14890.4	15841.0	15853.2	15409.5	15352.5	11995.8
50°	12510.8	12482.3	12818.1	13434.9	13996.8	14623.7	15757.5	15898.0	15474.6	15313.8	11969.3
52.5°	10015.1	10147.4	10878.2	11908.2	12999.3	14155.5	15448.1	15631.3	15161.1	15059.3	11826.8
55°	6855.9	6917.0	7647.7	9152.0	10882.3	13141.8	14737.7	15020.7	14790.6	15016.6	11975.4
57.5°	3550.1	3598.9	4175.0	5510.4	7381.1	10385.6	12765.2	13693.4	14043.6	15232.4	12437.5
60°	1457.5	1498.2	1736.4	2381.6	3723.1	6047.8	9186.6	10562.7	11385.1	13911.3	11045.1
62.5°	1058.5	1078.9	1192.9	1420.8	1950.1	2963.8	5198.9	5705.8	6283.9	8718.5	7012.6
65°	891.6	914.0	1005.6	1144.0	1422.9	1817.8	2220.8	2233.0	2461.0	3552.1	2599.5
67.5°	747.1	767.4	848.8	966.9	1150.1	1290.6	1192.9	1194.9	1190.8	1288.5	1245.8
70°	582.2	598.5	679.9	806.1	901.8	828.5	932.3	1032.0	989.3	1028.0	1087.0
72.5°	425.4	443.8	515.0	610.7	586.3	590.3	755.2	857.0	832.6	875.3	930.3
75°	307.4	319.6	356.2	305.3	321.6	388.8	531.3	586.3	610.7	647.3	696.2
77.5°	99.7	99.7	112.0	140.5	175.1	215.8	270.7	293.1	329.8	370.5	405.1
80°	50.9	52.9	63.1	77.4	97.7	124.2	158.8	169.0	187.3	209.7	223.9
82.5°	24.4	26.5	30.5	38.7	50.9	65.1	87.5	97.7	109.9	124.2	134.3
85°	6.1	6.1	8.1	12.2	16.3	24.4	32.6	38.7	48.9	59.0	65.1
87.5°	0.0	0.0	0.0	0.0	0.0	2.0	6.1	8.1	10.2	12.2	16.3
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°	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2	3786.2
2.5°	3857.5	3743.5	3596.9	3472.7	3358.7	3271.2	3195.9	3159.2	3124.6	3100.2	3108.4
5°	3963.3	3767.9	3495.1	3305.8	3189.8	3130.7	3090.0	3069.7	3065.6	3049.3	3043.2
7.5°	4118.0	3839.1	3474.8	3283.4	3206.1	3175.5	3153.1	3140.9	3147.0	3130.7	3124.6
10°	4309.4	3957.2	3525.7	3356.7	3289.5	3267.1	3242.7	3226.4	3218.3	3193.8	3189.8
12.5°	4547.5	4103.8	3617.3	3450.3	3383.2	3344.5	3311.9	3283.4	3265.1	3234.6	3226.4
15°	4804.0	4266.6	3725.1	3541.9	3462.5	3405.6	3352.6	3309.9	3277.3	3236.6	3230.5
17.5°	5082.9	4437.6	3814.7	3605.0	3503.3	3427.9	3350.6	3287.5	3242.7	3189.8	3183.7
20°	5374.0	4610.6	3881.9	3635.6	3505.3	3403.5	3299.7	3216.2	3159.2	3106.3	3102.2
22.5°	5675.2	4769.4	3922.6	3627.4	3472.7	3346.5	3222.3	3128.7	3061.5	2998.4	2994.4
25°	5978.5	4922.1	3932.8	3594.9	3407.6	3261.0	3136.9	3026.9	2951.6	2880.4	2872.2
27.5°	6285.9	5050.3	3908.3	3529.7	3320.1	3161.3	3037.1	2929.2	2851.9	2780.6	2768.4
30°	6613.6	5160.2	3855.4	3444.2	3218.3	3055.4	2933.3	2851.9	2778.6	2707.3	2695.1
32.5°	6963.8	5255.9	3780.1	3340.4	3100.2	2949.6	2860.0	2786.7	2713.4	2650.3	2638.1
35°	7381.1	5319.0	3668.1	3206.1	2990.3	2872.2	2811.2	2725.7	2636.1	2566.9	2560.8
37.5°	7812.6	5367.9	3533.8	3077.8	2894.6	2827.4	2776.6	2660.5	2548.6	2465.1	2454.9
40°	8229.9	5408.6	3366.9	2957.7	2807.1	2794.9	2725.7	2581.1	2387.8	2294.1	2286.0
42.5°	8618.7	5420.8	3191.8	2829.5	2727.7	2721.6	2644.2	2420.3	2271.7	2212.7	2204.5
45°	8885.4	5410.6	3010.6	2709.4	2648.3	2615.7	2534.3	2304.3	2212.7	2159.8	2149.6
47.5°	9082.8	5357.7	2807.1	2583.2	2558.7	2514.0	2338.9	2231.0	2145.5	2092.6	2082.4
50°	9048.2	5137.8	2601.5	2461.0	2450.9	2412.2	2196.4	2139.4	2064.1	2007.1	1999.0
52.5°	8869.1	4720.5	2391.8	2326.7	2347.0	2271.7	2094.6	2029.5	1964.3	1899.2	1885.0
55°	8913.9	4419.3	2233.0	2196.4	2233.0	2062.1	1980.6	1911.4	1850.4	1787.3	1775.0
57.5°	9109.3	4122.1	2064.1	2056.0	2094.6	1901.2	1834.1	1746.5	1659.0	1608.1	1608.1
60°	7649.8	3004.5	1766.9	1787.3	1874.8	1771.0	1711.9	1622.4	1526.7	1481.9	1481.9
62.5°	4523.1	1885.0	1465.6	1443.2	1498.2	1563.3	1595.9	1522.6	1408.6	1349.6	1351.6
65°	1992.8	1372.0	1292.6	1274.3	1258.0	1302.8	1392.3	1398.5	1278.4	1209.1	1211.2
67.5°	1227.5	1241.7	1209.1	1194.9	1180.6	1172.5	1164.4	1168.4	1135.9	1072.8	1070.7
70°	1107.4	1146.0	1123.6	1111.4	1093.1	1078.9	1030.0	950.6	895.7	879.4	897.7
72.5°	952.7	1005.6	993.4	987.3	964.9	930.3	865.1	787.8	722.6	681.9	690.1
75°	718.6	761.3	767.4	769.5	745.0	712.5	645.3	580.1	523.1	480.4	490.6
77.5°	413.2	437.7	443.8	449.9	431.5	419.3	374.5	327.7	297.2	252.4	264.6
80°	230.0	240.2	240.2	242.2	232.1	217.8	187.3	160.8	146.6	126.2	128.2
82.5°	138.4	142.5	144.5	146.6	140.5	126.2	103.8	85.5	77.4	67.2	65.1
85°	67.2	71.2	71.2	73.3	63.1	55.0	42.7	32.6	28.5	20.4	22.4
87.5°	16.3	18.3	18.3	16.3	14.2	10.2	6.1	2.0	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)