

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: P642819

Luminaire Tested: GWS-SA6D-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642819
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR 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: 30265.7 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

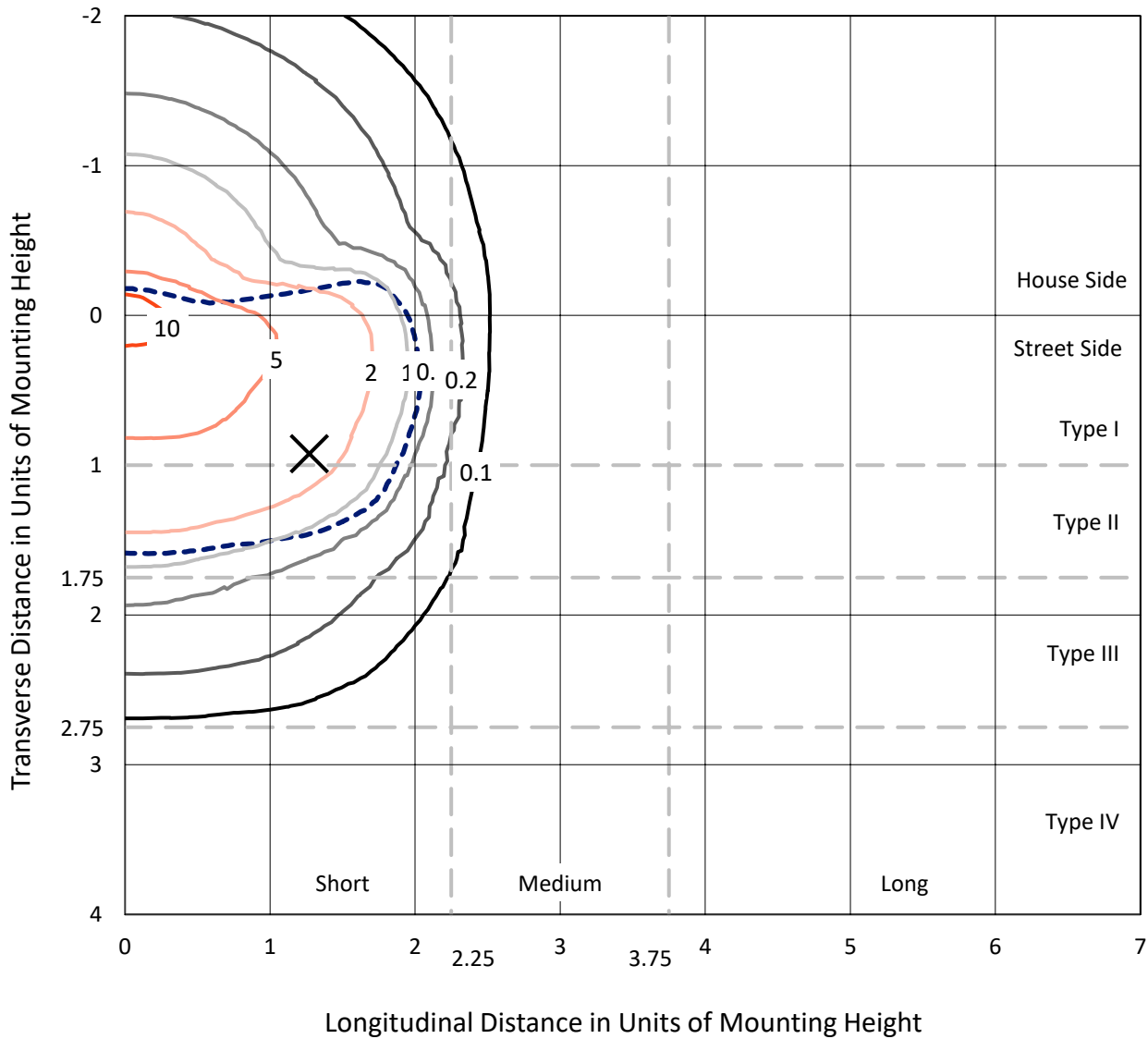
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

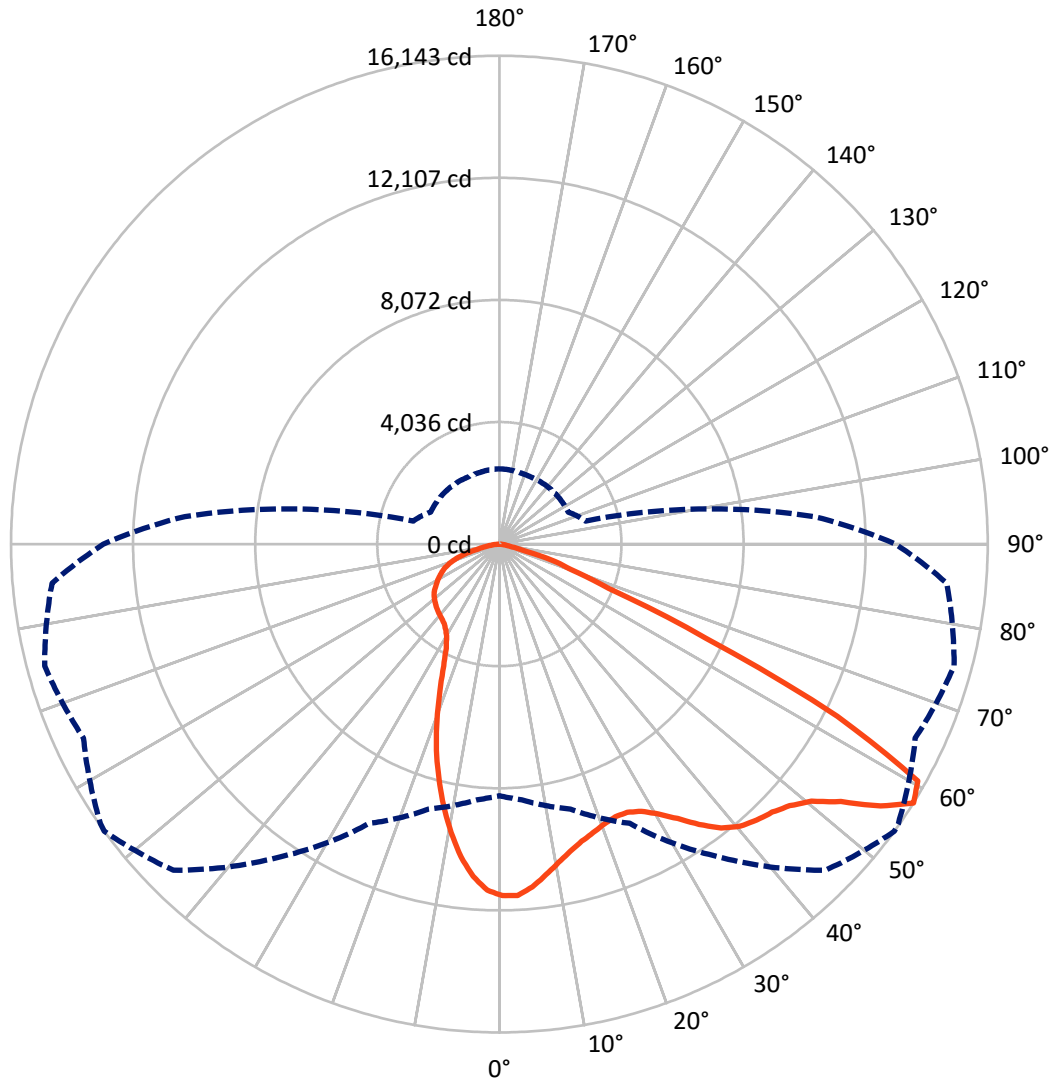
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8798.6	0.0	8798.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	21467.1	0.0	21467.1
	% Fixture	70.9	0.0	70.9
Total	Lumens	30265.7	0.0	30265.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1021.4	3.4
10°-20°	2437.1	8.1
20°-30°	3372.6	11.1
30°-40°	4686.2	15.5
40°-50°	6189.0	20.4
50°-60°	7354.8	24.3
60°-70°	4074.7	13.5
70°-80°	1014.7	3.4
80°-90°	115.4	0.4
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°	30265.7	100.0
0°-180°	30265.7	100.0

Coefficient of Utilization



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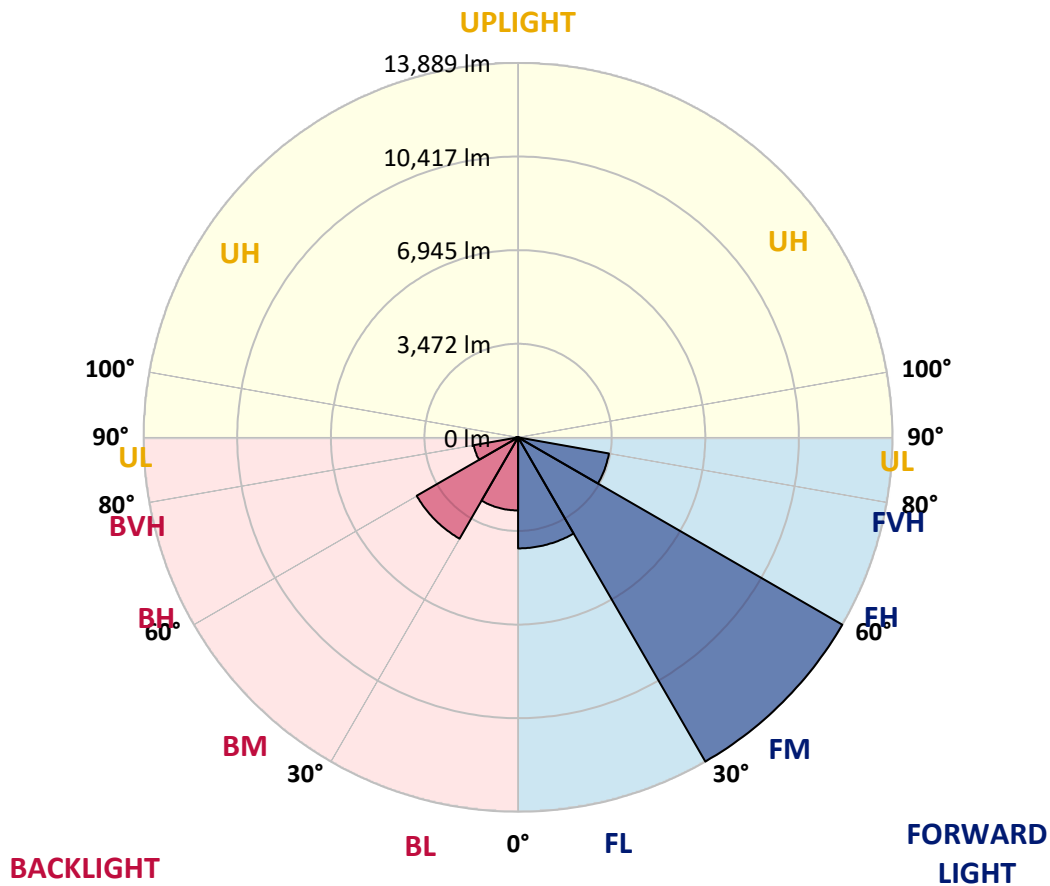
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4119.7	13.6			
FM (30°-60°)	13889.4	45.9			
FH (60°-80°)	3421.9	11.3			G2/5000
FVH (80°-90°)	36.1	0.1			G1/100
BL (0°-30°)	2711.4	9.0	B4/5000		
BM (30°-60°)	4340.6	14.3	B3/5000		
BH (60°-80°)	1667.4	5.5	B3/2500		G3/2500
BVH (80°-90°)	79.3	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7
2.5°	11402.1	11425.4	11440.9	11495.3	11542.0	11583.4	11627.5	11627.5	11624.9	11617.1	11601.6
5°	10951.3	10977.2	11013.4	11088.6	11189.6	11262.2	11381.3	11391.7	11443.5	11464.2	11453.9
7.5°	10427.9	10435.7	10482.3	10580.8	10741.4	10871.0	11041.9	11062.7	11187.0	11259.6	11246.6
10°	9855.4	9829.5	9912.4	10057.4	10267.3	10484.9	10705.1	10723.3	10922.8	11060.1	11049.7
12.5°	9332.0	9334.6	9417.5	9593.7	9855.4	10124.8	10420.2	10461.6	10707.7	10883.9	10865.8
15°	8894.2	8904.5	9005.6	9205.1	9503.0	9824.3	10192.2	10231.0	10541.9	10775.1	10723.3
17.5°	8544.4	8554.8	8642.9	8870.9	9189.5	9578.1	10026.4	10065.2	10451.2	10728.5	10622.2
20°	8303.5	8298.3	8383.8	8601.4	8930.5	9352.7	9881.3	9938.3	10422.7	10746.6	10554.9
22.5°	8205.0	8202.4	8264.6	8443.4	8751.7	9179.2	9793.2	9870.9	10453.8	10826.9	10513.4
25°	8254.3	8243.9	8298.3	8430.4	8676.6	9111.8	9819.1	9902.0	10586.0	10992.7	10521.2
27.5°	8407.1	8394.2	8440.8	8560.0	8746.5	9181.8	10000.4	10096.3	10865.8	11295.8	10624.8
30°	8640.3	8632.5	8679.1	8793.1	8956.4	9414.9	10347.6	10456.4	11298.4	11767.4	10850.2
32.5°	8912.3	8899.4	8982.3	9114.4	9303.5	9839.8	10814.0	10956.4	11811.4	12373.6	11228.5
35°	9218.0	9207.7	9321.7	9513.4	9785.4	10430.5	11378.7	11534.2	12334.7	13060.2	11731.1
37.5°	9516.0	9516.0	9736.2	10021.2	10363.2	11073.0	11909.9	12008.3	12697.5	13669.0	12270.0
40°	9780.2	9795.8	10127.4	10554.9	10990.1	11653.4	12259.6	12342.5	12858.1	14088.7	12738.9
42.5°	10073.0	10085.9	10472.0	11031.6	11549.7	12122.3	12472.1	12513.5	12889.2	14298.6	13070.5
45°	10306.2	10324.3	10803.6	11402.1	12036.8	12474.6	12640.5	12676.7	12933.2	14412.6	13311.5
47.5°	10427.9	10453.8	11003.1	11700.0	12365.8	12790.7	12917.7	12933.2	13114.6	14612.1	13601.6
50°	10407.2	10459.0	11078.2	11847.7	12609.4	13109.4	13363.3	13389.2	13485.1	14904.8	13941.0
52.5°	10591.1	10614.5	11238.8	12023.9	12956.5	13697.5	14137.9	14174.2	14130.2	15125.0	14143.1
55°	10285.4	10396.8	11039.4	11997.9	13485.1	14606.9	15285.7	15267.5	14715.7	15371.2	14479.9
57.5°	8319.0	8482.2	9070.4	10184.4	12614.6	15244.2	16143.2	16099.2	15169.1	15560.3	14845.2
60°	5759.3	5785.2	6316.3	7106.5	9736.2	13466.9	15891.9	15987.8	15252.0	15321.9	14169.0
62.5°	4606.4	4598.7	4647.9	4668.6	6192.0	9466.7	12544.6	12894.4	12671.5	11938.4	10041.9
65°	3932.8	3961.3	4106.4	4031.3	4041.6	5331.8	7495.2	7544.4	7388.9	7124.7	5311.1
67.5°	3077.9	3127.1	3383.6	3676.3	3583.1	3432.8	3888.8	3865.5	3046.8	2357.6	1948.3
70°	1927.5	1958.6	2233.3	2886.1	3119.3	2818.8	2500.1	2489.7	1632.2	1342.0	1471.6
72.5°	1124.4	1129.6	1207.3	1608.9	2070.0	1927.5	1839.5	1772.1	1049.3	1070.0	1173.6
75°	619.2	619.2	616.6	694.3	816.1	722.8	699.5	681.4	702.1	795.4	873.1
77.5°	129.5	132.1	139.9	183.9	238.4	290.2	365.3	367.9	458.6	531.1	593.3
80°	59.6	62.2	77.7	98.4	126.9	168.4	222.8	225.4	277.2	334.2	375.7
82.5°	31.1	33.7	41.5	51.8	67.4	88.1	124.4	124.4	165.8	196.9	222.8
85°	10.4	10.4	15.5	20.7	28.5	36.3	49.2	49.2	72.5	95.9	111.4
87.5°	0.0	0.0	0.0	0.0	2.6	5.2	10.4	10.4	13.0	15.5	25.9
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°	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7	11619.7
2.5°	11567.9	11487.6	11490.2	11505.7	11456.5	11381.3	11332.1	11269.9	11231.1	11223.3	11251.8
5°	11402.1	11308.8	11244.0	11176.7	11036.8	10871.0	10741.4	10635.2	10565.2	10539.3	10508.2
7.5°	11174.1	11052.3	10889.1	10700.0	10446.1	10150.7	9943.4	9749.1	9614.4	9575.6	9557.4
10°	10946.1	10769.9	10479.7	10127.4	9705.1	9306.1	8930.5	8642.9	8414.9	8285.3	8326.8
12.5°	10710.3	10492.7	10039.3	9497.8	8909.7	8308.7	7816.4	7339.7	6971.8	6787.9	6733.5
15°	10503.1	10207.7	9575.6	8842.4	8059.9	7303.4	6591.0	5875.9	5409.6	5155.7	5085.7
17.5°	10326.9	9943.4	9085.9	8173.9	7238.7	6160.9	5285.2	4622.0	4303.3	4163.4	4153.0
20°	10153.3	9684.4	8601.4	7453.7	6290.4	5083.1	4300.7	3989.8	3875.8	3826.6	3824.0
22.5°	9997.9	9412.3	8091.0	6733.5	5347.4	4272.2	3842.1	3707.4	3676.3	3676.3	3671.1
25°	9865.7	9140.3	7567.7	5969.2	4495.0	3803.3	3603.8	3546.8	3559.7	3583.1	3585.7
27.5°	9811.3	8927.9	7062.5	5184.2	3906.9	3531.2	3440.6	3432.8	3469.1	3505.3	3510.5
30°	9868.3	8782.8	6544.3	4432.8	3554.6	3365.4	3324.0	3339.5	3383.6	3419.8	3419.8
32.5°	10044.5	8710.2	6015.8	3883.6	3349.9	3248.8	3235.9	3251.4	3285.1	3305.8	3308.4
35°	10342.4	8738.7	5469.2	3513.1	3217.8	3163.4	3160.8	3171.1	3184.1	3197.0	3199.6
37.5°	10718.1	8865.7	4883.6	3298.1	3132.3	3101.2	3096.0	3093.4	3096.0	3096.0	3098.6
40°	11086.0	9057.4	4360.3	3171.1	3072.7	3046.8	3033.8	3015.7	3013.1	3007.9	3005.3
42.5°	11358.0	9205.1	3943.2	3080.4	3018.3	2987.2	2971.6	2943.1	2940.5	2938.0	2935.4
45°	11562.7	9329.4	3596.0	2992.4	2961.3	2932.8	2899.1	2873.2	2878.4	2883.5	2883.5
47.5°	11793.3	9438.2	3342.1	2909.5	2891.3	2862.8	2821.4	2803.2	2821.4	2839.5	2839.5
50°	12073.1	9591.1	3134.9	2826.6	2818.8	2785.1	2748.8	2741.1	2761.8	2787.7	2787.7
52.5°	12277.7	9723.2	2987.2	2743.6	2743.6	2699.6	2668.5	2665.9	2689.2	2715.1	2717.7
55°	12661.2	10031.5	2935.4	2647.8	2637.4	2603.7	2580.4	2562.3	2590.8	2614.1	2614.1
57.5°	13093.8	10440.9	2948.3	2510.5	2497.5	2487.2	2469.0	2448.3	2456.1	2482.0	2484.6
60°	12176.7	9648.1	2805.8	2373.2	2365.4	2360.2	2336.9	2300.6	2311.0	2331.7	2334.3
62.5°	8505.6	6412.2	2269.5	2202.2	2228.1	2225.5	2194.4	2152.9	2155.5	2184.0	2184.0
65°	4414.7	3469.1	1992.3	2046.7	2085.6	2070.0	2018.2	1982.0	1976.8	2013.0	2005.3
67.5°	1904.2	1893.9	1813.6	1883.5	1925.0	1891.3	1836.9	1777.3	1782.5	1795.4	1785.1
70°	1533.7	1580.4	1614.1	1689.2	1722.9	1660.7	1601.1	1567.4	1538.9	1536.3	1518.2
72.5°	1225.4	1290.2	1365.3	1443.1	1453.4	1391.3	1316.1	1285.0	1241.0	1238.4	1220.3
75°	922.3	976.7	1036.3	1098.5	1098.5	1038.9	989.7	974.1	922.3	906.8	891.2
77.5°	629.6	663.2	709.9	725.4	741.0	717.6	668.4	642.5	582.9	567.4	546.7
80°	396.4	419.7	448.2	458.6	474.1	445.6	406.8	378.3	336.8	323.8	313.5
82.5°	238.4	253.9	272.0	277.2	290.2	269.4	233.2	212.4	189.1	178.8	171.0
85°	121.8	129.5	139.9	142.5	139.9	119.2	106.2	95.9	80.3	77.7	72.5
87.5°	31.1	36.3	38.9	36.3	33.7	25.9	18.1	13.0	5.2	5.2	2.6
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)