

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: P635307

Luminaire Tested: GWS-SA3D-740-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635307  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

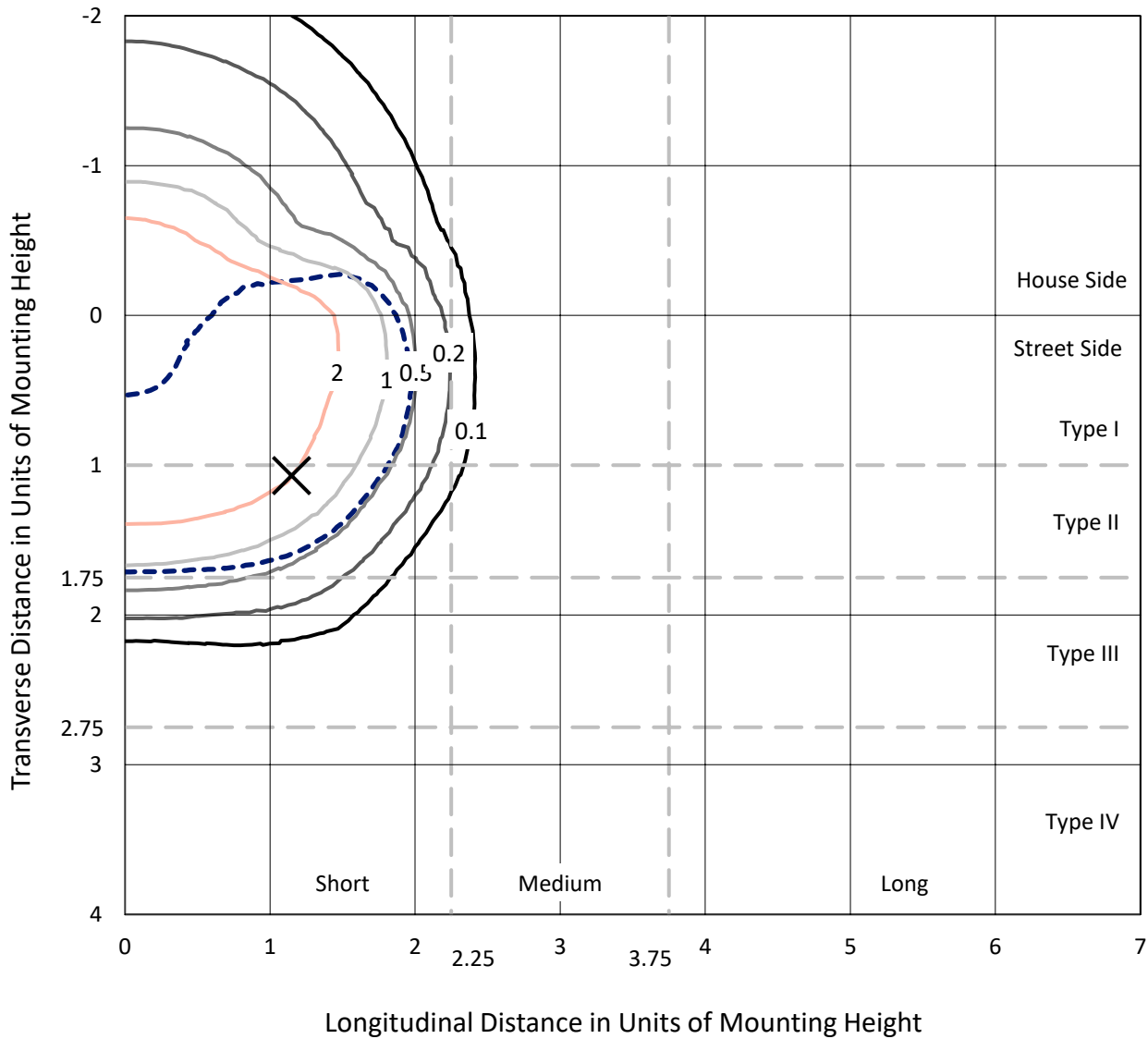
Lumens per Lamp: N/A  
Luminaire Lumens: 15020.1 lumens  
Efficiency: N/A  
Efficacy: 124.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

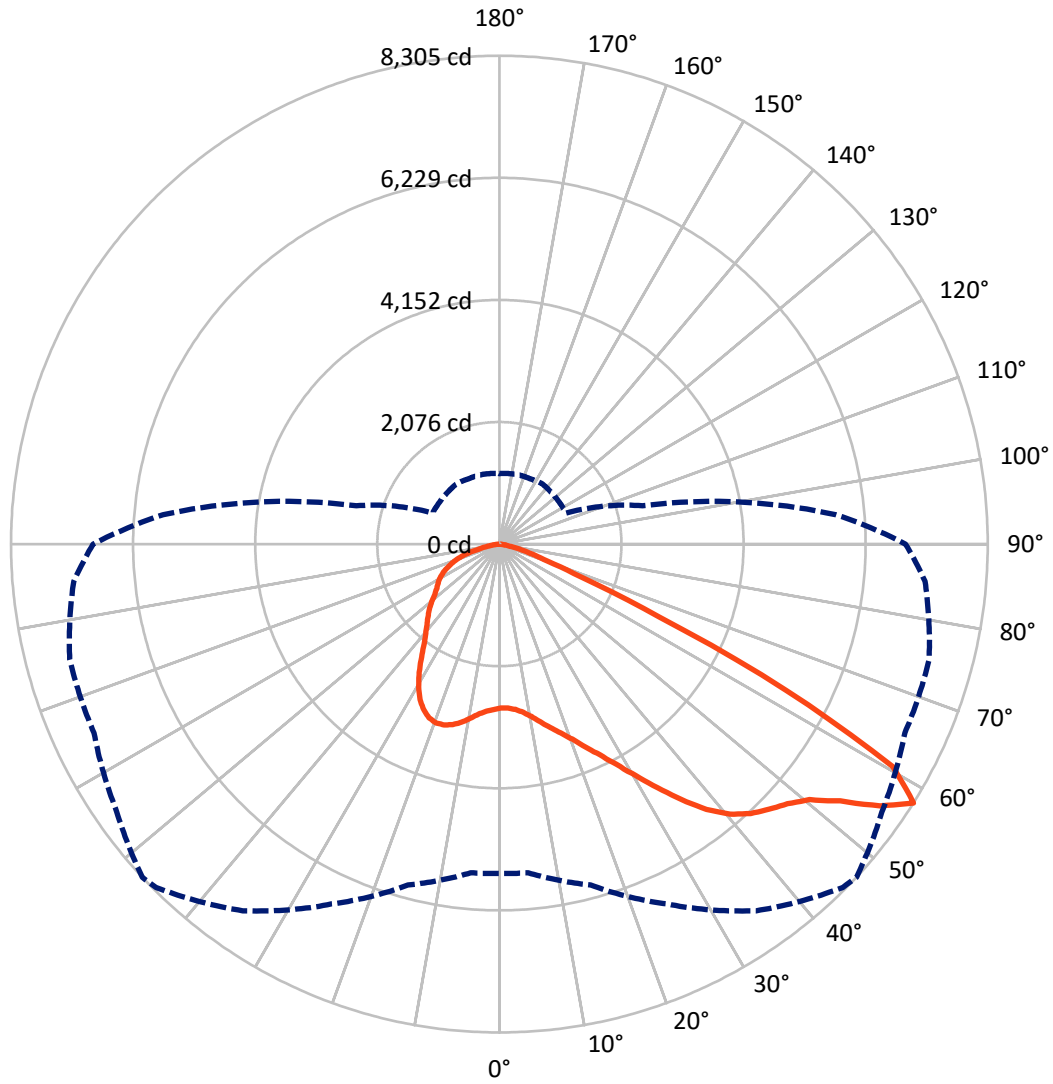
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4753.8	0.0	4753.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	10266.3	0.0	10266.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	15020.1	0.0	15020.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	274.7	1.8
10°-20°	903.6	6.0
20°-30°	1627.1	10.8
30°-40°	2457.5	16.4
40°-50°	3309.3	22.0
50°-60°	3976.6	26.5
60°-70°	1936.7	12.9
70°-80°	477.1	3.2
80°-90°	57.3	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°	15020.1	100.0
0°-180°	15020.1	100.0

**Coefficient of Utilization**



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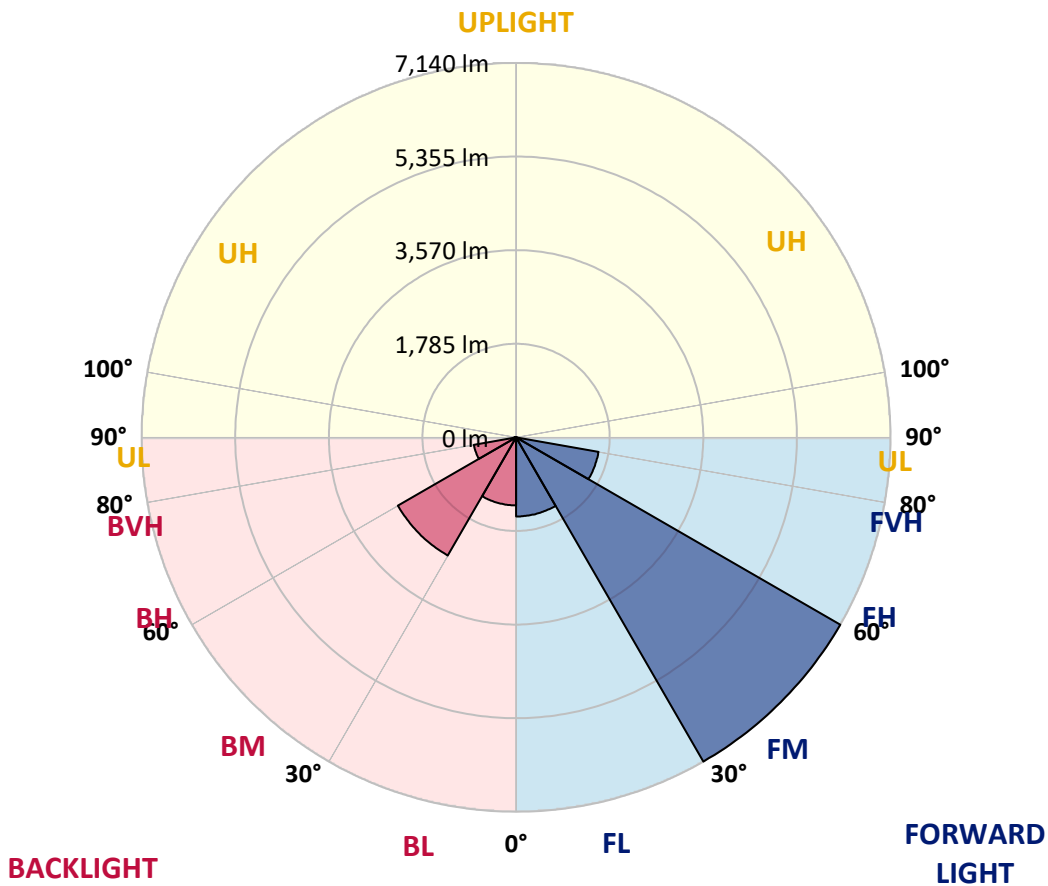
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1508.7	10.0			
FM (30°-60°)	7139.8	47.5			
FH (60°-80°)	1596.2	10.6			G1/1800
FVH (80°-90°)	21.6	0.1			G1/100
BL (0°-30°)	1296.8	8.6	B3/2500		
BM (30°-60°)	2603.6	17.3	B3/5000		
BH (60°-80°)	817.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	35.8	0.2			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5
2.5°	2780.5	2779.2	2779.2	2786.8	2786.8	2789.3	2793.1	2796.9	2798.1	2791.8	2777.9
5°	2810.7	2810.7	2810.7	2817.0	2817.0	2819.6	2824.6	2825.9	2824.6	2814.5	2800.6
7.5°	2858.7	2858.7	2859.9	2867.5	2873.8	2877.6	2886.4	2885.2	2881.4	2865.0	2847.3
10°	2936.9	2940.7	2944.5	2953.3	2965.9	2974.7	2981.0	2981.0	2976.0	2950.8	2928.1
12.5°	3047.9	3052.9	3056.7	3064.3	3074.4	3089.5	3103.4	3103.4	3097.1	3065.6	3031.5
15°	3177.8	3182.9	3181.6	3184.1	3203.1	3224.5	3235.9	3243.4	3246.0	3201.8	3148.8
17.5°	3326.7	3331.7	3326.7	3319.1	3321.7	3355.7	3375.9	3403.7	3420.1	3360.8	3276.2
20°	3461.7	3456.6	3456.6	3461.7	3469.3	3510.9	3541.2	3586.6	3606.8	3534.9	3403.7
22.5°	3604.2	3615.6	3610.6	3610.6	3640.8	3710.2	3746.8	3806.1	3827.5	3734.2	3557.6
25°	3788.4	3798.5	3796.0	3798.5	3833.8	3932.2	3968.8	4078.6	4100.0	3966.3	3727.9
27.5°	3990.3	4006.7	4014.2	4011.7	4068.5	4197.2	4242.6	4395.2	4434.3	4226.2	3909.5
30°	4252.7	4270.3	4276.6	4274.1	4341.0	4516.3	4568.1	4742.2	4797.7	4534.0	4140.4
32.5°	4556.7	4574.4	4593.3	4600.9	4686.7	4865.8	4940.2	5120.6	5200.1	4889.8	4419.2
35°	4858.2	4873.4	4909.9	4969.2	5086.6	5269.5	5335.1	5513.0	5589.9	5259.4	4756.0
37.5°	5191.3	5201.4	5232.9	5314.9	5484.0	5658.0	5723.6	5894.0	5902.8	5616.4	5137.0
40°	5555.9	5555.9	5549.6	5630.3	5806.9	5982.3	6039.0	6137.4	6085.7	5891.4	5507.9
42.5°	5864.9	5859.9	5864.9	5940.6	6071.8	6214.4	6263.6	6244.7	6179.1	6102.1	5843.5
45°	6143.7	6147.5	6192.9	6251.0	6319.1	6403.6	6432.6	6325.4	6266.1	6271.2	6112.2
47.5°	6333.0	6336.8	6442.7	6539.9	6581.5	6608.0	6595.4	6446.5	6416.2	6473.0	6319.1
50°	6358.2	6378.4	6561.3	6760.6	6864.1	6867.9	6832.5	6650.9	6642.1	6706.4	6430.1
52.5°	6363.3	6383.4	6611.8	6971.3	7240.0	7296.8	7256.4	7067.2	6975.1	6910.8	6566.4
55°	6344.3	6367.0	6619.3	7112.6	7627.3	7854.4	7858.2	7590.7	7296.8	7253.9	6954.9
57.5°	5601.3	5610.1	6001.2	6753.1	7612.2	8255.6	8304.8	7941.4	7605.9	7565.5	7266.5
60°	3902.0	3937.3	4362.4	5355.3	6394.8	7528.9	7687.9	7581.9	7357.4	7063.4	6234.6
62.5°	1954.1	1984.4	2410.8	3349.4	4410.4	5306.1	5476.4	5588.7	5641.6	5326.3	4245.1
65°	841.5	864.2	1129.1	1749.8	2496.6	2929.3	2988.6	3123.6	3454.1	3082.0	2287.2
67.5°	562.7	577.8	712.8	1067.3	1471.0	1498.7	1489.9	1518.9	1590.8	1313.3	1033.2
70°	431.4	444.1	534.9	782.2	1057.2	904.5	856.6	777.1	844.0	860.4	837.7
72.5°	312.9	323.0	391.1	533.6	662.3	577.8	570.2	610.6	701.4	726.7	712.8
75°	201.8	206.9	248.5	292.7	341.9	370.9	386.0	459.2	551.3	570.2	553.8
77.5°	135.0	138.8	162.7	188.0	194.3	195.5	200.6	233.4	296.5	331.8	328.0
80°	70.6	70.6	79.5	79.5	90.8	108.5	113.5	135.0	164.0	181.7	182.9
82.5°	27.8	29.0	34.1	37.8	45.4	55.5	59.3	70.6	85.8	98.4	109.8
85°	11.4	12.6	13.9	16.4	20.2	25.2	26.5	30.3	40.4	50.5	56.8
87.5°	0.0	0.0	1.3	1.3	2.5	3.8	3.8	5.0	6.3	11.4	15.1
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°	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5	2785.5
2.5°	2794.3	2777.9	2794.3	2799.4	2813.3	2818.3	2809.5	2808.2	2808.2	2795.6	2791.8
5°	2813.3	2798.1	2814.5	2822.1	2842.3	2854.9	2857.4	2867.5	2873.8	2868.8	2867.5
7.5°	2859.9	2841.0	2858.7	2870.0	2896.5	2916.7	2925.5	2948.2	2964.6	2962.1	2960.9
10°	2941.9	2916.7	2936.9	2955.8	2984.8	3008.8	3010.1	3022.7	3039.1	3034.0	3031.5
12.5°	3036.5	3012.6	3035.3	3054.2	3088.3	3098.4	3082.0	3076.9	3079.4	3073.1	3068.1
15°	3152.6	3118.5	3138.7	3160.2	3179.1	3167.7	3132.4	3118.5	3117.3	3108.5	3103.4
17.5°	3268.7	3225.8	3240.9	3252.3	3243.4	3208.1	3164.0	3140.0	3128.6	3111.0	3105.9
20°	3383.5	3329.2	3326.7	3317.9	3277.5	3213.2	3153.9	3105.9	3076.9	3052.9	3044.1
22.5°	3514.7	3439.0	3401.1	3360.8	3272.5	3167.7	3078.2	3010.1	2963.4	2933.1	2923.0
25°	3656.0	3548.7	3470.5	3389.8	3222.0	3070.6	2945.7	2852.4	2796.9	2764.1	2752.7
27.5°	3796.0	3648.4	3531.1	3393.6	3121.1	2930.6	2762.8	2636.6	2581.1	2554.6	2545.8
30°	3985.2	3780.9	3603.0	3344.4	2988.6	2736.3	2526.9	2399.5	2362.9	2344.0	2336.4
32.5°	4203.5	3948.6	3698.9	3240.9	2819.6	2509.2	2288.4	2200.1	2174.9	2138.3	2137.1
35°	4491.1	4188.3	3789.7	3088.3	2606.4	2265.7	2105.5	2042.4	1997.0	1939.0	1934.0
37.5°	4826.7	4487.3	3838.9	2894.0	2357.8	2065.2	1969.3	1898.6	1825.5	1748.5	1738.4
40°	5173.6	4836.8	3842.7	2664.4	2114.4	1932.7	1852.0	1759.9	1669.0	1583.2	1571.9
42.5°	5538.2	5162.3	3775.8	2399.5	1915.0	1817.9	1735.9	1619.8	1517.6	1459.6	1453.3
45°	5863.7	5424.7	3624.4	2120.7	1767.4	1722.0	1617.3	1492.4	1438.2	1396.5	1387.7
47.5°	6119.8	5598.8	3420.1	1870.9	1647.6	1623.6	1487.4	1423.0	1381.4	1343.5	1334.7
50°	6245.9	5637.9	3153.9	1667.8	1536.6	1507.6	1414.2	1365.0	1337.2	1307.0	1299.4
52.5°	6402.4	5682.0	2924.3	1497.5	1428.1	1389.0	1353.6	1314.5	1294.3	1275.4	1269.1
55°	6761.9	5848.5	2803.2	1361.2	1324.6	1307.0	1301.9	1269.1	1262.8	1250.2	1238.8
57.5°	6908.2	5741.3	2516.8	1250.2	1242.6	1245.1	1257.8	1227.5	1221.2	1206.0	1198.5
60°	5555.9	4339.7	1704.4	1154.3	1174.5	1190.9	1203.5	1173.2	1164.4	1161.9	1151.8
62.5°	3560.1	2669.4	1189.6	1064.7	1095.0	1115.2	1122.8	1093.8	1087.5	1107.6	1108.9
65°	1853.2	1454.6	965.1	968.9	994.1	1024.4	1039.5	1029.4	1026.9	1048.3	1049.6
67.5°	946.2	889.4	841.5	855.3	875.5	914.6	949.9	994.1	1009.2	1011.8	1013.0
70°	806.1	780.9	756.9	765.8	787.2	808.7	842.7	864.2	838.9	832.6	830.1
72.5°	686.3	667.4	656.0	666.1	677.5	673.7	663.6	673.7	677.5	678.7	680.0
75°	533.6	519.8	510.9	512.2	512.2	498.3	479.4	468.0	455.4	445.3	445.3
77.5°	326.7	329.3	338.1	336.8	335.6	330.5	311.6	301.5	271.2	262.4	262.4
80°	186.7	190.5	199.3	201.8	201.8	195.5	176.6	165.3	151.4	145.1	143.8
82.5°	113.5	118.6	123.6	126.2	127.4	119.8	103.4	94.6	87.0	80.7	80.7
85°	59.3	61.8	66.9	68.1	64.3	56.8	47.9	44.2	36.6	35.3	35.3
87.5°	16.4	17.7	20.2	16.4	15.1	11.4	6.3	5.0	2.5	1.3	1.3
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)