

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: P636077

Luminaire Tested: GWS-SA3F-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P636077  
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-SA3F-722-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) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

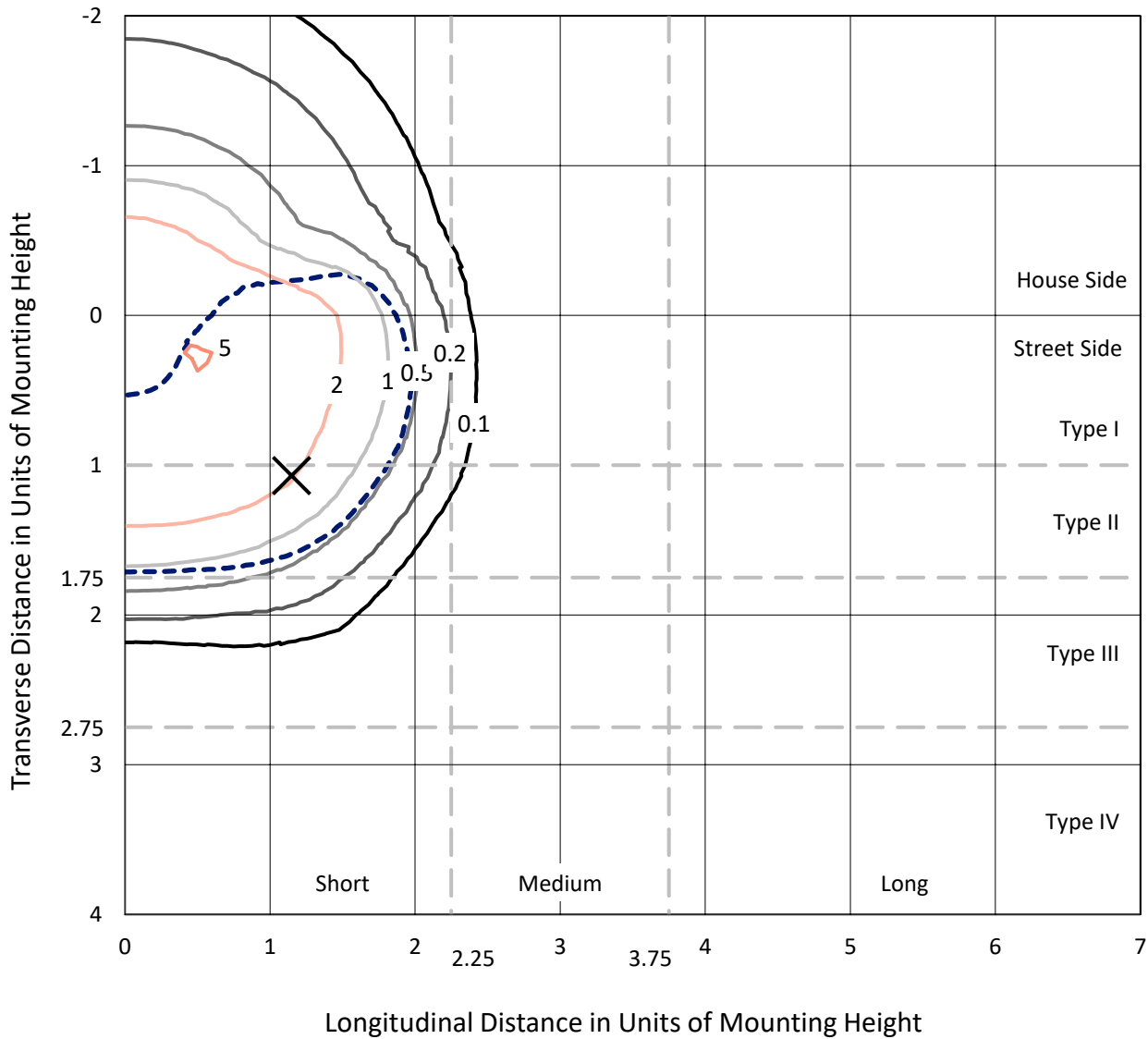
Lumens per Lamp: N/A  
Luminaire Lumens: 15371.8 lumens  
Efficiency: N/A  
Efficacy: 83.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 183.2  
Input Voltage (V): 120  
Input Current (Ain): 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

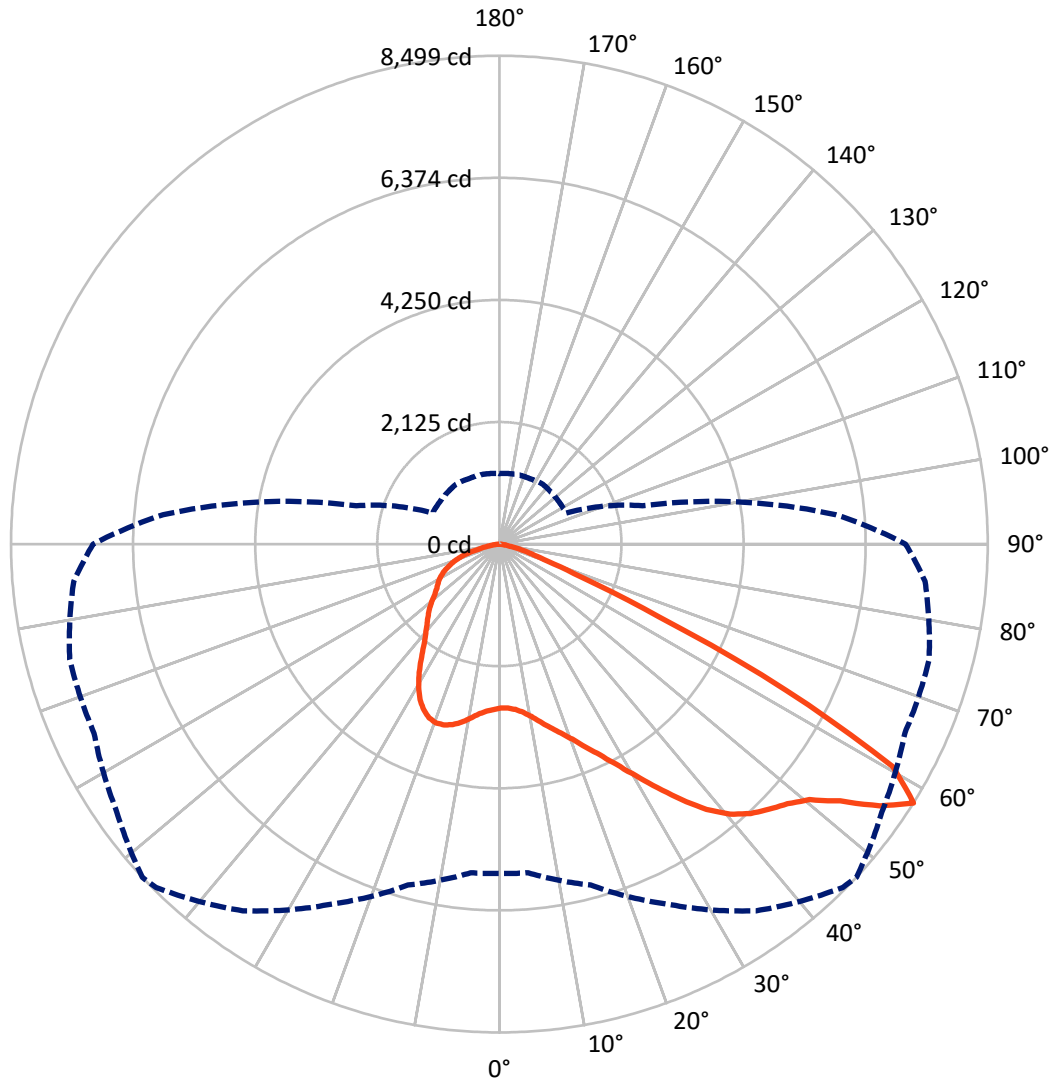
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	4865.1	0.0	4865.1
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	10506.7	0.0	10506.7
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	15371.8	0.0	15371.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	281.2	1.8
10°-20°	924.8	6.0
20°-30°	1665.2	10.8
30°-40°	2515.1	16.4
40°-50°	3386.8	22.0
50°-60°	4069.7	26.5
60°-70°	1982.0	12.9
70°-80°	488.3	3.2
80°-90°	58.7	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°	15371.8	100.0
0°-180°	15371.8	100.0

**Coefficient of Utilization**



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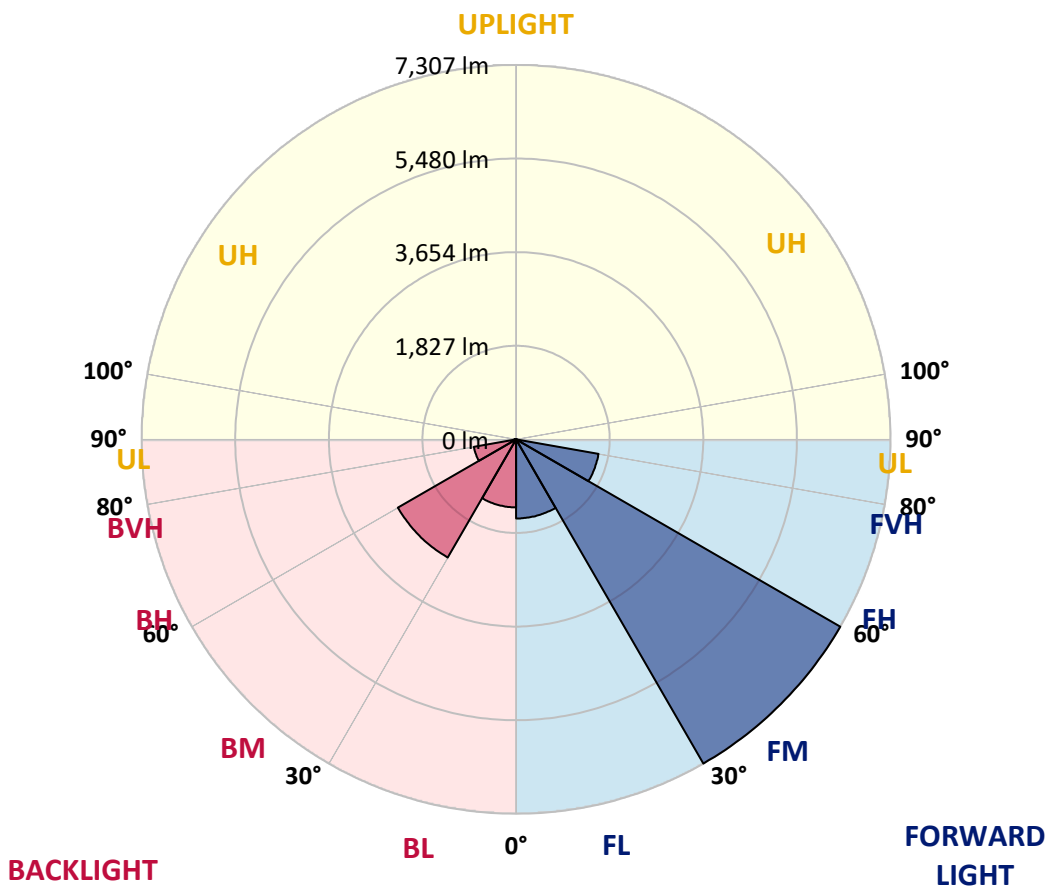
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1544.0	10.0			
FM (30°-60°)	7307.0	47.5			
FH (60°-80°)	1633.6	10.6			G1/1800
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	1327.1	8.6	B3/2500		
BM (30°-60°)	2664.6	17.3	B3/5000		
BH (60°-80°)	836.8	5.4	B2/1000		G2/1000
BVH (80°-90°)	36.6	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°	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7
2.5°	2845.6	2844.3	2844.3	2852.0	2852.0	2854.6	2858.5	2862.3	2863.6	2857.2	2843.0
5°	2876.5	2876.5	2876.5	2883.0	2883.0	2885.6	2890.7	2892.0	2890.7	2880.4	2866.2
7.5°	2925.6	2925.6	2926.9	2934.6	2941.1	2945.0	2954.0	2952.7	2948.8	2932.1	2914.0
10°	3005.7	3009.5	3013.4	3022.4	3035.3	3044.4	3050.8	3050.8	3045.7	3019.9	2996.6
12.5°	3119.3	3124.4	3128.3	3136.1	3146.4	3161.9	3176.1	3176.1	3169.6	3137.3	3102.5
15°	3252.3	3257.4	3256.1	3258.7	3278.1	3300.0	3311.6	3319.4	3322.0	3276.8	3222.6
17.5°	3404.6	3409.8	3404.6	3396.9	3399.4	3434.3	3455.0	3483.4	3500.1	3439.5	3353.0
20°	3542.7	3537.6	3537.6	3542.7	3550.5	3593.1	3624.1	3670.6	3691.2	3617.6	3483.4
22.5°	3688.6	3700.3	3695.1	3695.1	3726.1	3797.1	3834.5	3895.2	3917.2	3821.6	3640.9
25°	3877.1	3887.5	3884.9	3887.5	3923.6	4024.3	4061.8	4174.1	4196.0	4059.2	3815.2
27.5°	4083.7	4100.5	4108.2	4105.7	4163.8	4295.5	4341.9	4498.2	4538.2	4325.1	4001.1
30°	4352.3	4370.3	4376.8	4374.2	4442.6	4622.1	4675.0	4853.2	4910.0	4640.2	4237.4
32.5°	4663.4	4681.5	4700.9	4708.6	4796.4	4979.7	5055.9	5240.5	5321.9	5004.3	4522.7
35°	4972.0	4987.5	5024.9	5085.6	5205.7	5392.9	5460.0	5642.1	5720.8	5382.5	4867.4
37.5°	5312.8	5323.2	5355.4	5439.4	5612.4	5790.5	5857.7	6032.0	6041.0	5747.9	5257.3
40°	5686.0	5686.0	5679.5	5762.1	5942.9	6122.3	6180.4	6281.1	6228.2	6029.4	5636.9
42.5°	6002.3	5997.1	6002.3	6079.7	6214.0	6359.9	6410.3	6390.9	6323.7	6245.0	5980.3
45°	6287.6	6291.5	6338.0	6397.3	6467.1	6553.6	6583.3	6473.5	6412.8	6418.0	6255.3
47.5°	6481.3	6485.1	6593.6	6693.0	6735.6	6762.7	6749.8	6597.5	6566.5	6624.6	6467.1
50°	6507.1	6527.7	6714.9	6918.9	7024.8	7028.7	6992.5	6806.6	6797.6	6863.4	6580.7
52.5°	6512.2	6532.9	6766.6	7134.6	7409.6	7467.7	7426.3	7232.7	7138.4	7072.6	6720.1
55°	6492.9	6516.1	6774.3	7279.2	7805.9	8038.3	8042.2	7768.5	7467.7	7423.8	7117.8
57.5°	5732.4	5741.5	6141.7	6911.2	7790.4	8448.9	8499.2	8127.4	7784.0	7742.7	7436.7
60°	3993.3	4029.5	4464.6	5480.7	6544.5	7705.2	7867.9	7759.4	7529.6	7228.8	6380.6
62.5°	1999.9	2030.9	2467.3	3427.8	4513.6	5430.3	5604.6	5719.5	5773.7	5451.0	4344.5
65°	861.2	884.4	1155.5	1790.7	2555.1	2997.9	3058.6	3196.7	3535.0	3154.1	2340.7
67.5°	575.8	591.3	729.5	1092.3	1505.4	1533.8	1524.8	1554.5	1628.1	1344.0	1057.4
70°	441.6	454.5	547.4	800.5	1081.9	925.7	876.6	795.3	863.7	880.5	857.3
72.5°	320.2	330.5	400.2	546.1	677.8	591.3	583.6	624.9	717.8	743.7	729.5
75°	206.6	211.7	254.3	299.5	349.9	379.6	395.1	470.0	564.2	583.6	566.8
77.5°	138.1	142.0	166.6	192.4	198.8	200.1	205.3	238.9	303.4	339.6	335.7
80°	72.3	72.3	81.3	81.3	93.0	111.0	116.2	138.1	167.8	185.9	187.2
82.5°	28.4	29.7	34.9	38.7	46.5	56.8	60.7	72.3	87.8	100.7	112.3
85°	11.6	12.9	14.2	16.8	20.7	25.8	27.1	31.0	41.3	51.6	58.1
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	3.9	5.2	6.5	11.6	15.5
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°	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7	2850.7
2.5°	2859.8	2843.0	2859.8	2864.9	2879.1	2884.3	2875.3	2874.0	2874.0	2861.1	2857.2
5°	2879.1	2863.6	2880.4	2888.2	2908.8	2921.7	2924.3	2934.6	2941.1	2935.9	2934.6
7.5°	2926.9	2907.5	2925.6	2937.2	2964.3	2985.0	2994.0	3017.3	3034.1	3031.5	3030.2
10°	3010.8	2985.0	3005.7	3025.0	3054.7	3079.2	3080.5	3093.4	3110.2	3105.1	3102.5
12.5°	3107.6	3083.1	3106.4	3125.7	3160.6	3170.9	3154.1	3149.0	3151.5	3145.1	3139.9
15°	3226.4	3191.6	3212.2	3234.2	3253.5	3241.9	3205.8	3191.6	3190.3	3181.2	3176.1
17.5°	3345.2	3301.3	3316.8	3328.4	3319.4	3283.2	3238.0	3213.5	3201.9	3183.8	3178.7
20°	3462.7	3407.2	3404.6	3395.6	3354.2	3288.4	3227.7	3178.7	3149.0	3124.4	3115.4
22.5°	3597.0	3519.5	3480.8	3439.5	3349.1	3241.9	3150.3	3080.5	3032.8	3001.8	2991.5
25°	3741.6	3631.8	3551.8	3469.2	3297.4	3142.5	3014.7	2919.2	2862.3	2828.8	2817.2
27.5°	3884.9	3733.8	3613.8	3473.0	3194.2	2999.2	2827.5	2698.4	2641.6	2614.5	2605.4
30°	4078.5	3869.4	3687.3	3422.7	3058.6	2800.4	2586.0	2455.6	2418.2	2398.8	2391.1
32.5°	4301.9	4041.1	3785.5	3316.8	2885.6	2568.0	2342.0	2251.7	2225.8	2188.4	2187.1
35°	4596.3	4286.4	3878.4	3160.6	2667.4	2318.8	2154.8	2090.3	2043.8	1984.4	1979.2
37.5°	4939.7	4592.4	3928.8	2961.8	2413.0	2113.5	2015.4	1943.1	1868.2	1789.4	1779.1
40°	5294.8	4950.0	3932.7	2726.8	2163.9	1977.9	1895.3	1801.1	1708.1	1620.3	1608.7
42.5°	5667.9	5283.1	3864.2	2455.6	1959.9	1860.5	1776.5	1657.8	1553.2	1493.8	1487.3
45°	6001.0	5551.7	3709.3	2170.3	1808.8	1762.3	1655.2	1527.4	1471.8	1429.2	1420.2
47.5°	6263.1	5729.8	3500.1	1914.7	1686.2	1661.6	1522.2	1456.3	1413.7	1375.0	1366.0
50°	6392.2	5769.9	3227.7	1706.8	1572.5	1542.9	1447.3	1397.0	1368.6	1337.6	1329.8
52.5°	6552.3	5815.1	2992.7	1532.5	1461.5	1421.5	1385.3	1345.3	1324.7	1305.3	1298.8
55°	6920.2	5985.5	2868.8	1393.1	1355.6	1337.6	1332.4	1298.8	1292.4	1279.5	1267.8
57.5°	7070.0	5875.7	2575.7	1279.5	1271.7	1274.3	1287.2	1256.2	1249.8	1234.3	1226.5
60°	5686.0	4441.3	1744.3	1181.3	1202.0	1218.8	1231.7	1200.7	1191.7	1189.1	1178.8
62.5°	3643.5	2731.9	1217.5	1089.7	1120.7	1141.3	1149.1	1119.4	1112.9	1133.6	1134.9
65°	1896.6	1488.6	987.7	991.6	1017.4	1048.4	1063.9	1053.5	1050.9	1072.9	1074.2
67.5°	968.3	910.2	861.2	875.4	896.0	936.0	972.2	1017.4	1032.9	1035.5	1036.7
70°	825.0	799.2	774.7	783.7	805.6	827.6	862.4	884.4	858.6	852.1	849.5
72.5°	702.4	683.0	671.4	681.7	693.3	689.4	679.1	689.4	693.3	694.6	695.9
75°	546.1	531.9	522.9	524.2	524.2	510.0	490.6	479.0	466.1	455.8	455.8
77.5°	334.4	337.0	346.0	344.7	343.4	338.3	318.9	308.6	277.6	268.5	268.5
80°	191.1	195.0	204.0	206.6	206.6	200.1	180.8	169.1	154.9	148.5	147.2
82.5°	116.2	121.4	126.5	129.1	130.4	122.7	105.9	96.8	89.1	82.6	82.6
85°	60.7	63.3	68.4	69.7	65.8	58.1	49.1	45.2	37.4	36.2	36.2
87.5°	16.8	18.1	20.7	16.8	15.5	11.6	6.5	5.2	2.6	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)