

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: P642766

Luminaire Tested: GWS-SA6D-750-U-SL3-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P642766  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6D-750-U-SL3-W  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS  
Light Source: (96) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

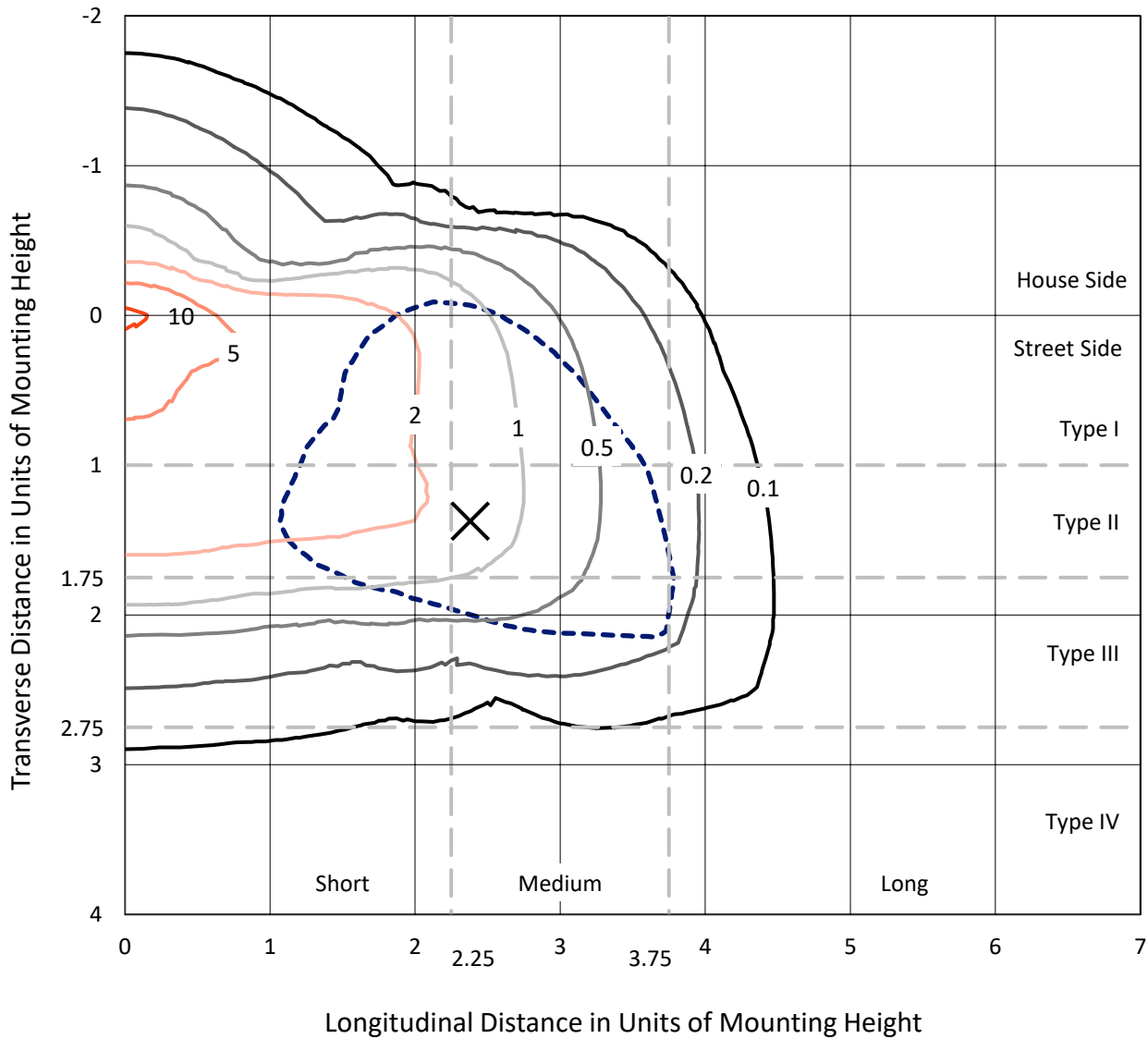
Lumens per Lamp: N/A  
Luminaire Lumens: 35903.1 lumens  
Efficiency: N/A  
Efficacy: 146.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 245.7  
Input Voltage (V): 120  
Input Current (Ain): 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

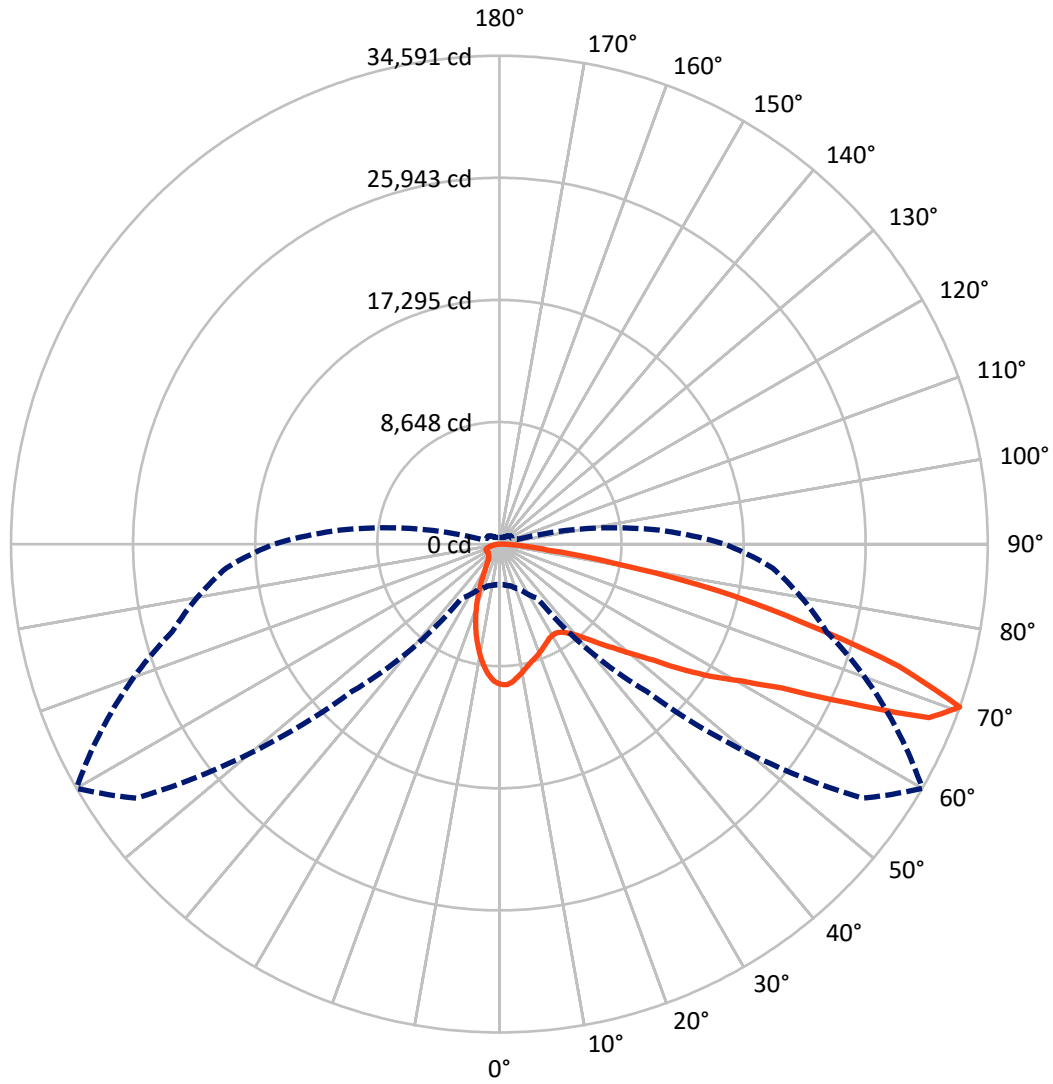
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6140.3	0.0	6140.3
	% Fixture	17.1	0.0	17.1
<b>Street Side</b>	Lumens	29762.8	0.0	29762.8
	% Fixture	82.9	0.0	82.9
<b>Total</b>	Lumens	35903.1	0.0	35903.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	856.3	2.4
10°-20°	1918.5	5.3
20°-30°	2456.9	6.8
30°-40°	3229.0	9.0
40°-50°	4684.8	13.0
50°-60°	7309.4	20.4
60°-70°	9569.4	26.7
70°-80°	5291.6	14.7
80°-90°	587.2	1.6
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°	35903.1	100.0
0°-180°	35903.1	100.0

**Coefficient of Utilization**



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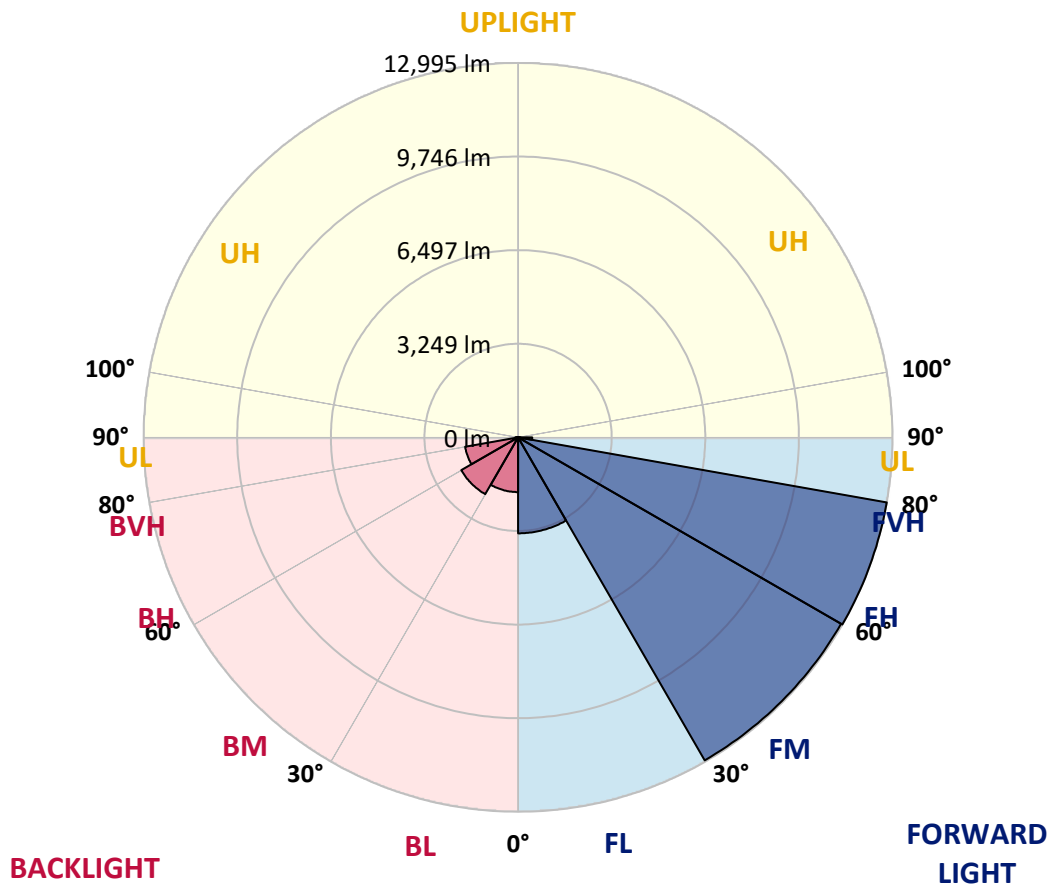
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3332.0	9.3			
FM (30°-60°)	12946.5	36.1			
FH (60°-80°)	12994.9	36.2			G5
FVH (80°-90°)	489.3	1.4			G3/500
BL (0°-30°)	1899.7	5.3	B3/2500		
BM (30°-60°)	2276.6	6.3	B2/2500		
BH (60°-80°)	1866.0	5.2	B3/2500		G3/2500
BVH (80°-90°)	97.9	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9
2.5°	9795.6	9806.1	9835.0	9877.1	9919.1	9940.1	9992.6	9976.9	9966.4	9945.4	9919.1
5°	9362.2	9383.2	9409.5	9490.9	9582.9	9656.4	9774.6	9787.7	9793.0	9803.5	9761.5
7.5°	8810.5	8815.8	8878.8	8986.5	9107.4	9233.5	9430.5	9485.7	9532.9	9585.5	9551.3
10°	8201.1	8214.2	8261.5	8416.5	8624.0	8810.5	9075.9	9167.8	9267.6	9383.2	9335.9
12.5°	7702.0	7704.6	7780.8	7946.3	8172.2	8424.4	8755.4	8865.7	8997.1	9178.3	9136.3
15°	7305.3	7305.3	7376.3	7518.1	7778.2	8075.0	8469.1	8610.9	8789.5	9033.8	8960.3
17.5°	6990.1	6992.7	7037.4	7187.1	7418.3	7746.7	8214.2	8406.0	8603.0	8926.1	8815.8
20°	6824.6	6811.5	6819.4	6911.3	7108.3	7426.2	7959.4	8182.7	8448.0	8852.6	8684.5
22.5°	6816.7	6793.1	6759.0	6766.8	6882.4	7145.1	7686.2	7956.8	8290.4	8792.2	8550.5
25°	6950.7	6924.5	6864.0	6795.7	6785.2	6942.8	7428.8	7736.2	8127.6	8765.9	8421.8
27.5°	7176.6	7158.2	7079.4	6977.0	6869.3	6864.0	7234.4	7554.9	8009.4	8792.2	8329.8
30°	7476.1	7444.6	7394.7	7263.3	7100.5	6932.3	7158.2	7457.7	7930.5	8876.2	8290.4
32.5°	7815.0	7796.6	7749.3	7617.9	7444.6	7176.6	7218.7	7478.7	7930.5	9023.3	8298.3
35°	8174.8	8172.2	8172.2	8085.5	7893.8	7560.2	7457.7	7657.3	8051.4	9259.7	8382.4
37.5°	8524.2	8521.6	8605.7	8637.2	8419.1	8059.3	7864.9	8014.6	8316.7	9609.1	8589.9
40°	8807.9	8818.4	9002.3	9159.9	9039.1	8705.5	8432.3	8508.5	8747.5	10105.6	8952.4
42.5°	9094.3	9123.1	9399.0	9677.4	9724.7	9435.7	9159.9	9204.6	9364.8	10762.3	9493.5
45°	9406.8	9420.0	9806.1	10194.9	10423.5	10252.7	10026.8	10087.2	10124.0	11574.0	10300.0
47.5°	9708.9	9743.1	10242.2	10775.5	11208.9	11193.1	11067.0	11048.6	11056.5	12561.7	11253.5
50°	10121.4	10171.3	10757.1	11400.7	12036.4	12327.9	12364.7	12225.5	12167.7	13659.8	12440.9
52.5°	10904.2	10904.2	11429.5	12062.6	12916.4	13638.8	13885.7	13657.1	13473.3	14820.8	13701.8
55°	11884.0	11926.0	12343.7	12855.9	13938.2	15017.9	15853.2	15601.0	15080.9	16084.4	15023.1
57.5°	12320.1	12372.6	13034.6	13830.5	15275.3	16586.1	17744.6	17655.2	16896.1	17397.8	16394.3
60°	11532.0	11642.3	12553.8	13888.3	16486.3	19115.8	19932.7	19672.7	18587.8	18776.9	17881.2
62.5°	9619.6	9740.5	10751.8	12614.3	16318.2	21850.4	23381.8	22423.0	20699.8	20518.5	19861.8
65°	5739.7	5734.5	6950.7	9420.0	14245.6	22609.5	28840.5	27051.6	23962.4	22909.0	21900.3
67.5°	3648.7	3640.9	3895.7	4991.1	9480.4	20749.7	32350.0	32815.0	28393.9	24666.4	22068.4
70°	2879.1	2876.4	3060.3	3559.4	4689.0	14765.7	31372.8	34590.7	31070.7	23996.5	19431.0
72.5°	2098.9	2104.1	2387.8	2981.5	3617.2	7413.0	25404.5	29597.0	28577.8	21183.1	15774.4
75°	1507.8	1515.7	1686.5	2282.8	3336.1	4053.3	16893.5	22254.9	21742.7	16980.1	10851.6
77.5°	958.8	969.3	1119.1	1599.8	2695.2	3273.1	10242.2	15711.4	14466.2	9567.1	3858.9
80°	585.8	619.9	746.0	1192.6	2154.0	2456.1	5119.8	8277.3	7244.9	2624.3	1297.7
82.5°	302.1	328.4	449.2	738.2	1484.2	2156.7	2897.4	3478.0	2243.4	1098.0	690.9
85°	94.6	110.3	157.6	299.5	706.6	1337.1	1917.6	1728.5	1029.7	517.5	320.5
87.5°	23.6	23.6	26.3	26.3	28.9	60.4	370.4	391.4	273.2	162.9	131.3
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°	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9	9934.9
2.5°	9866.6	9803.5	9777.2	9774.6	9708.9	9614.4	9551.3	9506.7	9480.4	9475.1	9475.1
5°	9690.6	9609.1	9501.4	9420.0	9244.0	9065.4	8915.6	8831.6	8734.4	8721.2	8718.6
7.5°	9456.8	9338.6	9133.7	8905.1	8597.8	8300.9	8048.8	7878.0	7707.3	7675.7	7665.2
10°	9204.6	9044.3	8695.0	8293.1	7833.4	7389.4	7003.3	6701.2	6501.5	6359.7	6333.4
12.5°	8955.0	8742.2	8230.0	7631.1	7000.6	6393.8	5813.3	5319.4	4962.2	4754.6	4717.9
15°	8721.2	8424.4	7723.0	6958.6	6139.0	5308.9	4486.7	3845.7	3344.0	3165.4	3123.4
17.5°	8508.5	8138.1	7231.8	6262.5	5240.6	4155.7	3220.6	2650.5	2356.3	2267.0	2246.0
20°	8295.7	7843.9	6732.7	5529.6	4287.1	3070.8	2353.7	2085.7	1975.4	1941.3	1930.8
22.5°	8067.1	7520.8	6188.9	4807.2	3323.0	2298.5	1925.5	1807.3	1773.1	1775.8	1773.1
25°	7838.6	7192.4	5618.9	4021.8	2474.5	1865.1	1681.2	1636.5	1644.4	1668.1	1673.3
27.5°	7649.5	6900.8	5059.4	3160.1	1933.4	1605.0	1518.3	1515.7	1544.6	1576.1	1581.4
30°	7512.9	6640.7	4507.7	2429.9	1591.9	1426.4	1392.2	1408.0	1442.2	1465.8	1473.7
32.5°	7415.7	6417.5	3919.3	1909.7	1394.9	1300.3	1284.5	1300.3	1321.3	1345.0	1350.2
35°	7381.5	6254.6	3341.4	1557.7	1260.9	1208.4	1197.9	1205.7	1216.2	1229.4	1234.6
37.5°	7457.7	6173.2	2737.2	1355.5	1179.5	1147.9	1132.2	1126.9	1129.6	1134.8	1137.4
40°	7683.6	6209.9	2243.4	1237.3	1126.9	1098.0	1071.8	1061.3	1058.6	1063.9	1061.3
42.5°	8072.4	6364.9	1886.1	1169.0	1084.9	1042.9	1014.0	1003.5	1003.5	1016.6	1016.6
45°	8642.4	6669.6	1628.7	1119.1	1048.1	995.6	964.1	958.8	969.3	990.3	993.0
47.5°	9477.8	7116.2	1473.7	1082.3	1014.0	953.6	922.0	919.4	940.4	974.6	977.2
50°	10468.1	7759.8	1389.6	1056.0	990.3	919.4	887.9	890.5	914.2	950.9	958.8
52.5°	11660.7	8637.2	1394.9	1045.5	977.2	898.4	866.9	861.6	885.3	922.0	929.9
55°	12892.7	9703.7	1497.3	1048.1	958.8	887.9	845.9	827.5	848.5	874.8	877.4
57.5°	14248.2	10906.8	1752.1	1042.9	935.2	877.4	827.5	785.4	798.6	814.3	822.2
60°	15777.0	12322.7	2301.1	1053.4	924.7	853.7	790.7	735.5	732.9	743.4	746.0
62.5°	17820.7	14248.2	2918.5	1071.8	948.3	824.8	735.5	677.7	667.2	672.5	675.1
65°	19383.7	15167.6	2724.1	1056.0	998.2	803.8	683.0	622.6	601.6	596.3	596.3
67.5°	18748.0	13951.3	1896.6	1014.0	1021.9	806.5	641.0	564.8	538.5	525.4	522.7
70°	15953.0	11332.4	1318.7	971.9	995.6	801.2	596.3	517.5	483.3	465.0	462.3
72.5°	12603.8	8652.9	1066.5	887.9	903.6	722.4	530.6	465.0	436.1	412.4	412.4
75°	8111.8	5280.0	890.5	790.7	738.2	562.2	459.7	415.0	386.2	362.5	362.5
77.5°	2729.3	1959.7	690.9	669.9	551.6	422.9	386.2	357.3	333.6	312.6	310.0
80°	1108.5	929.9	507.0	507.0	386.2	323.1	302.1	289.0	273.2	246.9	246.9
82.5°	643.6	564.8	354.6	307.3	257.4	223.3	210.2	197.0	197.0	178.6	178.6
85°	310.0	312.6	212.8	189.1	147.1	128.7	123.5	115.6	113.0	102.4	99.8
87.5°	168.1	170.7	107.7	84.1	57.8	49.9	42.0	39.4	36.8	34.1	34.1
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)