

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: P642489

Luminaire Tested: GWS-SA6D-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642489
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22097 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

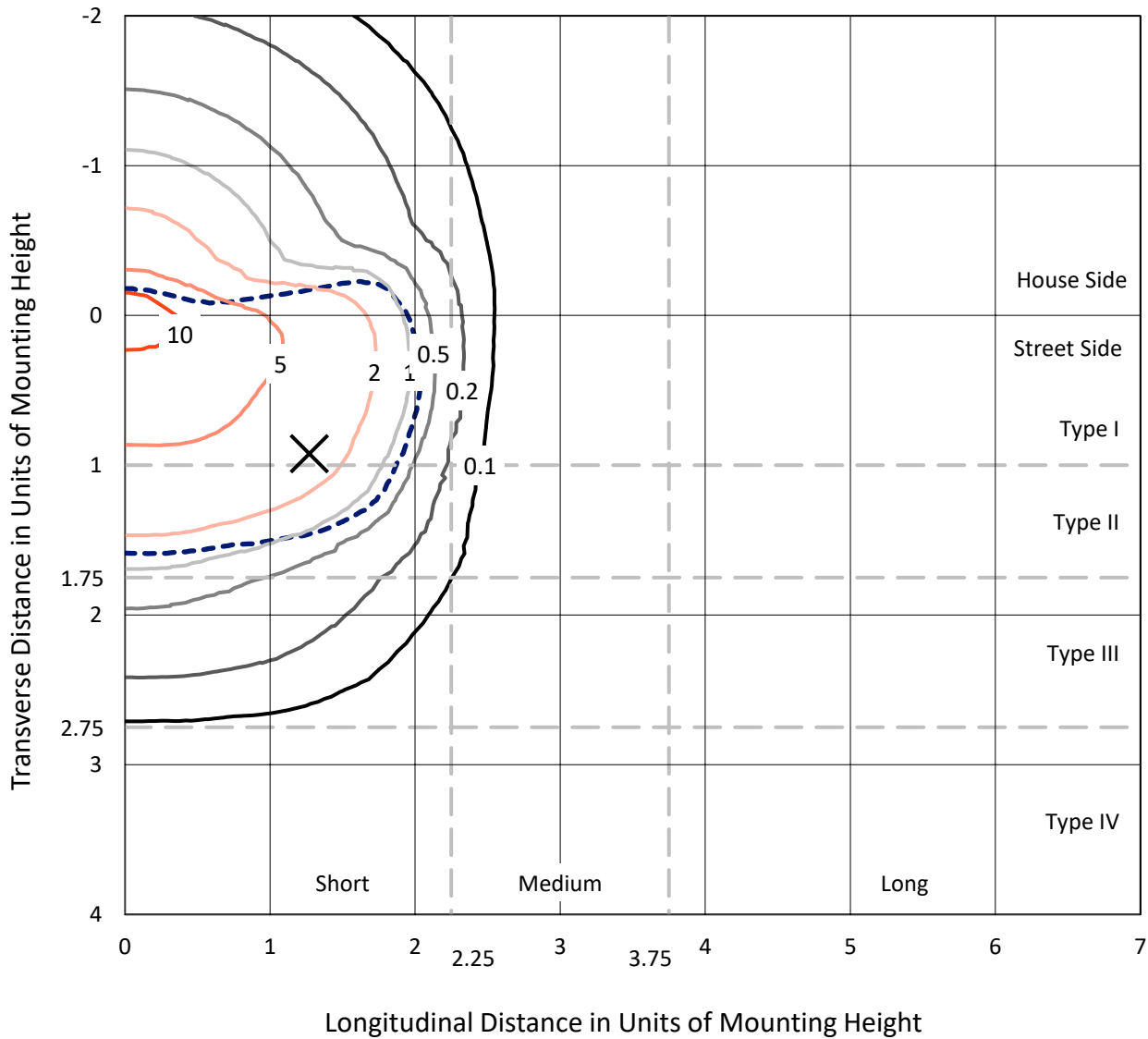
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

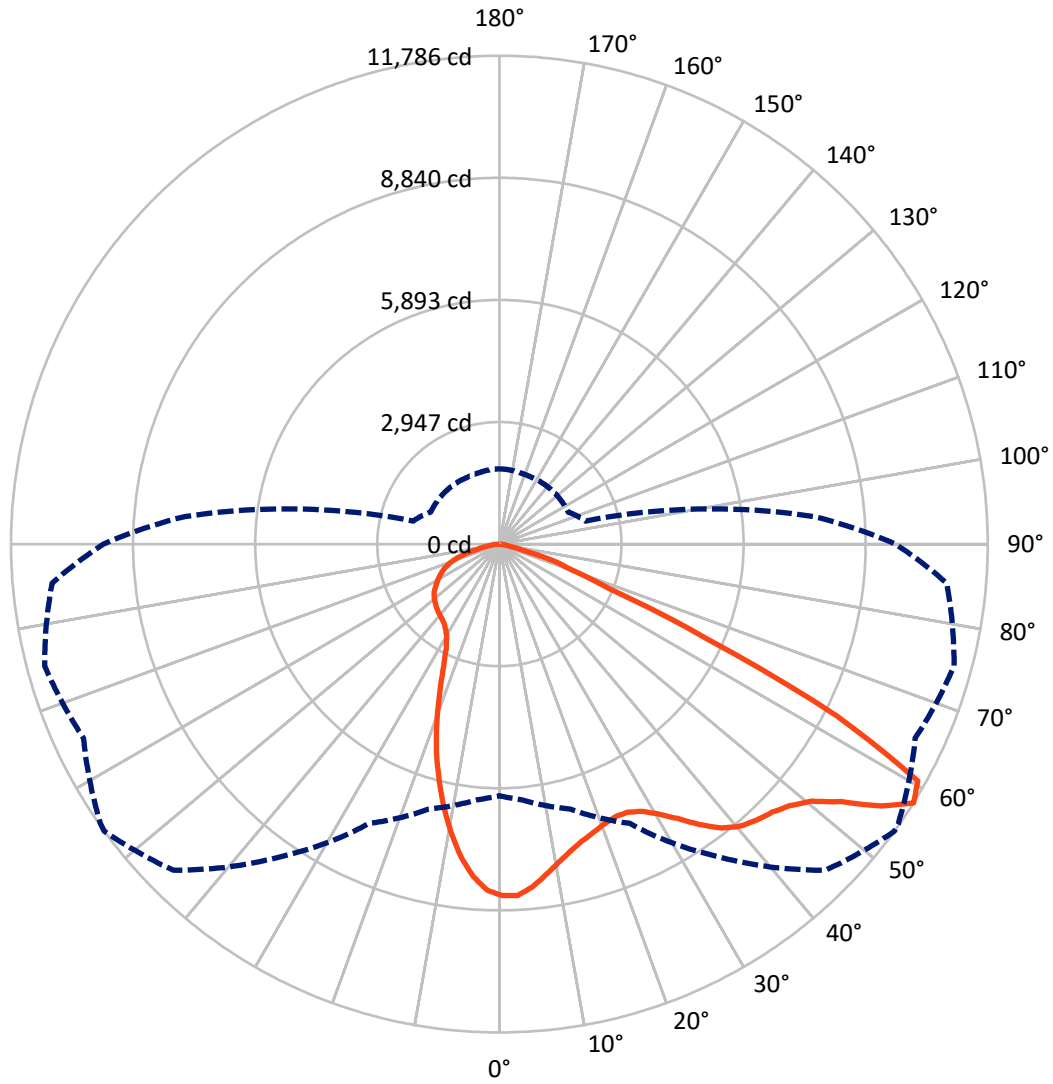
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.6 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	6423.8	0.0	6423.8
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	15673.1	0.0	15673.1
	% Fixture	70.9	0.0	70.9
Total	Lumens	22097.0	0.0	22097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	745.7	3.4
10°-20°	1779.3	8.1
20°-30°	2462.3	11.1
30°-40°	3421.4	15.5
40°-50°	4518.6	20.4
50°-60°	5369.7	24.3
60°-70°	2974.9	13.5
70°-80°	740.8	3.4
80°-90°	84.2	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°	22097.0	100.0
0°-180°	22097.0	100.0

Coefficient of Utilization



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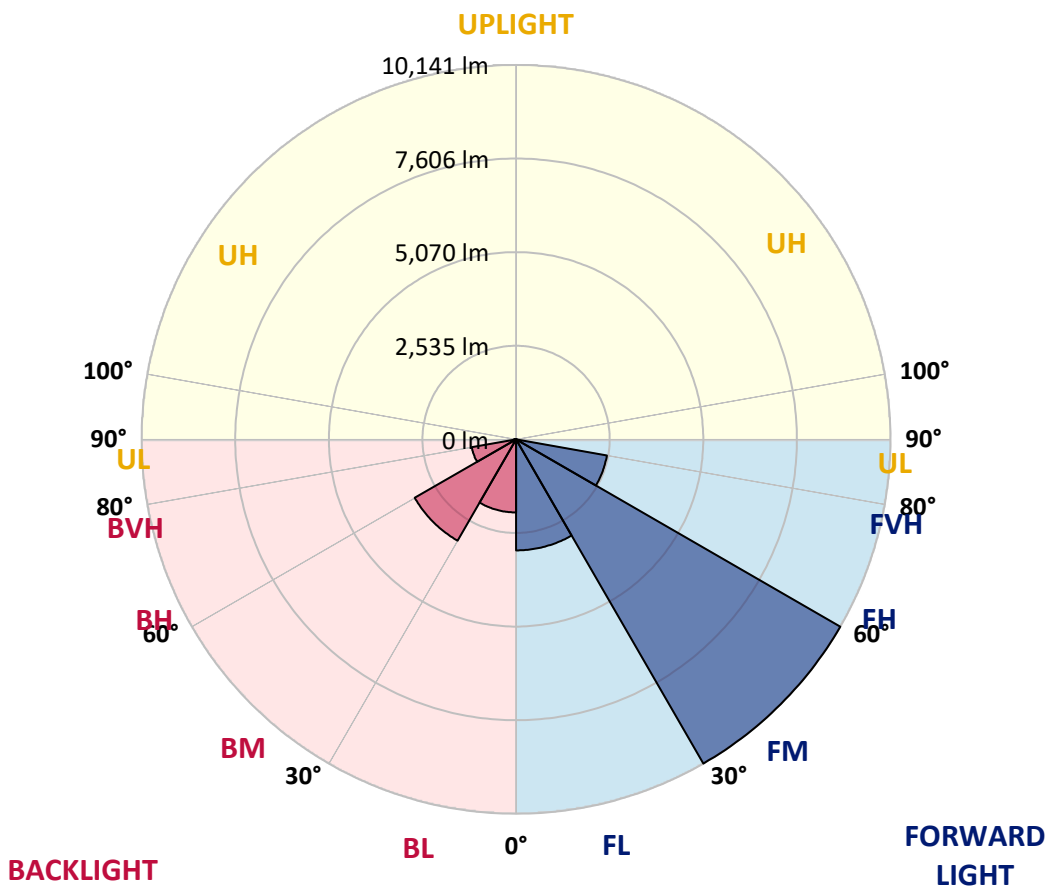
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3007.8	13.6			
FM (30°-60°)	10140.7	45.9			
FH (60°-80°)	2498.4	11.3			G2/5000
FVH (80°-90°)	26.4	0.1			G1/100
BL (0°-30°)	1979.6	9.0	B3/2500		
BM (30°-60°)	3169.0	14.3	B3/5000		
BH (60°-80°)	1217.4	5.5	B3/2500		G3/2500
BVH (80°-90°)	57.9	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5
2.5°	8324.7	8341.7	8353.0	8392.7	8426.8	8457.1	8489.2	8489.2	8487.3	8481.6	8470.3
5°	7995.5	8014.4	8040.9	8095.8	8169.5	8222.5	8309.5	8317.1	8354.9	8370.0	8362.5
7.5°	7613.4	7619.1	7653.2	7725.0	7842.3	7936.9	8061.7	8076.9	8167.7	8220.6	8211.2
10°	7195.4	7176.5	7237.0	7342.9	7496.2	7655.0	7815.8	7829.1	7974.7	8075.0	8067.4
12.5°	6813.3	6815.2	6875.7	7004.4	7195.4	7392.1	7607.8	7638.0	7817.7	7946.3	7933.1
15°	6493.6	6501.2	6575.0	6720.6	6938.2	7172.7	7441.3	7469.7	7696.7	7866.9	7829.1
17.5°	6238.3	6245.9	6310.2	6476.6	6709.3	6993.0	7320.2	7348.6	7630.5	7832.9	7755.3
20°	6062.4	6058.6	6121.0	6279.9	6520.1	6828.4	7214.3	7255.9	7609.7	7846.1	7706.1
22.5°	5990.5	5988.6	6034.0	6164.5	6389.6	6701.7	7150.0	7206.8	7632.3	7904.7	7675.9
25°	6026.4	6018.9	6058.6	6155.1	6334.8	6652.5	7168.9	7229.5	7728.8	8025.8	7681.5
27.5°	6138.0	6128.6	6162.6	6249.6	6385.8	6703.6	7301.3	7371.3	7933.1	8247.1	7757.2
30°	6308.3	6302.6	6336.6	6419.9	6539.0	6873.8	7554.8	7634.2	8249.0	8591.4	7921.8
32.5°	6506.9	6497.4	6558.0	6654.4	6792.5	7184.1	7895.3	7999.3	8623.5	9034.0	8197.9
35°	6730.1	6722.5	6805.7	6945.7	7144.3	7615.3	8307.6	8421.1	9005.6	9535.2	8564.9
37.5°	6947.6	6947.6	7108.4	7316.5	7566.1	8084.4	8695.4	8767.3	9270.4	9979.7	8958.3
40°	7140.5	7151.9	7394.0	7706.1	8023.9	8508.1	8950.7	9011.3	9387.7	10286.2	9300.7
42.5°	7354.3	7363.8	7645.6	8054.2	8432.5	8850.5	9105.9	9136.1	9410.4	10439.4	9542.8
45°	7524.5	7537.8	7887.7	8324.7	8788.1	9107.7	9228.8	9255.3	9442.5	10522.6	9718.7
47.5°	7613.4	7632.3	8033.4	8542.2	9028.3	9338.5	9431.2	9442.5	9575.0	10668.3	9930.6
50°	7598.3	7636.1	8088.2	8650.0	9206.1	9571.2	9756.5	9775.5	9845.4	10882.0	10178.4
52.5°	7732.6	7749.6	8205.5	8778.6	9459.6	10000.6	10322.1	10348.6	10316.4	11042.8	10325.9
55°	7509.4	7590.7	8059.8	8759.7	9845.4	10664.5	11160.1	11146.8	10743.9	11222.5	10571.8
57.5°	6073.7	6192.9	6622.3	7435.6	9209.9	11129.8	11786.2	11754.0	11074.9	11360.6	10838.5
60°	4204.9	4223.8	4611.6	5188.5	7108.4	9832.2	11602.7	11672.7	11135.5	11186.5	10344.8
62.5°	3363.2	3357.5	3393.4	3408.5	4520.8	6911.7	9158.8	9414.2	9251.5	8716.2	7331.6
65°	2871.4	2892.2	2998.1	2943.2	2950.8	3892.8	5472.2	5508.2	5394.7	5201.7	3877.6
67.5°	2247.1	2283.1	2470.3	2684.1	2616.0	2506.3	2839.2	2822.2	2224.4	1721.3	1422.4
70°	1407.3	1430.0	1630.5	2107.2	2277.4	2058.0	1825.3	1817.8	1191.7	979.8	1074.4
72.5°	820.9	824.7	881.5	1174.6	1511.3	1407.3	1343.0	1293.8	766.1	781.2	856.9
75°	452.1	452.1	450.2	506.9	595.8	527.7	510.7	497.5	512.6	580.7	637.4
77.5°	94.6	96.5	102.1	134.3	174.0	211.9	266.7	268.6	334.8	387.8	433.2
80°	43.5	45.4	56.7	71.9	92.7	122.9	162.7	164.6	202.4	244.0	274.3
82.5°	22.7	24.6	30.3	37.8	49.2	64.3	90.8	90.8	121.1	143.8	162.7
85°	7.6	7.6	11.3	15.1	20.8	26.5	35.9	35.9	53.0	70.0	81.3
87.5°	0.0	0.0	0.0	0.0	1.9	3.8	7.6	7.6	9.5	11.3	18.9
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°	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5	8483.5
2.5°	8445.7	8387.1	8389.0	8400.3	8364.4	8309.5	8273.6	8228.2	8199.8	8194.1	8214.9
5°	8324.7	8256.6	8209.3	8160.1	8057.9	7936.9	7842.3	7764.8	7713.7	7694.8	7672.1
7.5°	8158.2	8069.3	7950.1	7812.0	7626.7	7411.0	7259.7	7117.9	7019.5	6991.1	6977.9
10°	7991.7	7863.1	7651.3	7394.0	7085.7	6794.4	6520.1	6310.2	6143.7	6049.1	6079.4
12.5°	7819.6	7660.7	7329.7	6934.4	6505.0	6066.2	5706.8	5358.7	5090.1	4955.8	4916.1
15°	7668.3	7452.7	6991.1	6455.8	5884.6	5332.2	4812.1	4290.0	3949.5	3764.2	3713.1
17.5°	7539.7	7259.7	6633.6	5967.8	5285.0	4498.1	3858.7	3374.5	3141.8	3039.7	3032.1
20°	7412.9	7070.6	6279.9	5441.9	4592.7	3711.2	3140.0	2913.0	2829.7	2793.8	2791.9
22.5°	7299.4	6872.0	5907.3	4916.1	3904.1	3119.1	2805.1	2706.8	2684.1	2684.1	2680.3
25°	7203.0	6673.3	5525.2	4358.1	3281.8	2776.8	2631.1	2589.5	2599.0	2616.0	2617.9
27.5°	7163.2	6518.2	5156.3	3785.0	2852.4	2578.2	2512.0	2506.3	2532.8	2559.2	2563.0
30°	7204.9	6412.3	4778.0	3236.4	2595.2	2457.1	2426.8	2438.2	2470.3	2496.8	2496.8
32.5°	7333.5	6359.3	4392.1	2835.4	2445.8	2372.0	2362.5	2373.9	2398.5	2413.6	2415.5
35°	7551.0	6380.2	3993.0	2564.9	2349.3	2309.6	2307.7	2315.2	2324.7	2334.2	2336.0
37.5°	7825.3	6472.8	3565.5	2407.9	2286.9	2264.2	2260.4	2258.5	2260.4	2260.4	2262.3
40°	8093.9	6612.8	3183.5	2315.2	2243.4	2224.4	2215.0	2201.7	2199.9	2196.1	2194.2
42.5°	8292.5	6720.6	2878.9	2249.0	2203.6	2180.9	2169.6	2148.8	2146.9	2145.0	2143.1
45°	8441.9	6811.4	2625.5	2184.7	2162.0	2141.2	2116.6	2097.7	2101.5	2105.3	2105.3
47.5°	8610.3	6890.9	2440.1	2124.2	2111.0	2090.1	2059.9	2046.6	2059.9	2073.1	2073.1
50°	8814.6	7002.5	2288.8	2063.7	2058.0	2033.4	2006.9	2001.2	2016.4	2035.3	2035.3
52.5°	8964.0	7098.9	2180.9	2003.1	2003.1	1971.0	1948.3	1946.4	1963.4	1982.3	1984.2
55°	9243.9	7324.0	2143.1	1933.2	1925.6	1901.0	1884.0	1870.7	1891.5	1908.6	1908.6
57.5°	9559.8	7622.9	2152.6	1832.9	1823.4	1815.9	1802.6	1787.5	1793.2	1812.1	1814.0
60°	8890.2	7044.1	2048.5	1732.6	1727.0	1723.2	1706.2	1679.7	1687.3	1702.4	1704.3
62.5°	6209.9	4681.6	1657.0	1607.8	1626.7	1624.8	1602.1	1571.9	1573.8	1594.6	1594.6
65°	3223.2	2532.8	1454.6	1494.3	1522.7	1511.3	1473.5	1447.0	1443.2	1469.7	1464.0
67.5°	1390.3	1382.7	1324.1	1375.1	1405.4	1380.8	1341.1	1297.6	1301.4	1310.8	1303.3
70°	1119.8	1153.8	1178.4	1233.3	1257.9	1212.5	1169.0	1144.4	1123.6	1121.7	1108.4
72.5°	894.7	942.0	996.8	1053.6	1061.2	1015.8	960.9	938.2	906.0	904.2	890.9
75°	673.4	713.1	756.6	802.0	802.0	758.5	722.6	711.2	673.4	662.0	650.7
77.5°	459.6	484.2	518.3	529.6	541.0	524.0	488.0	469.1	425.6	414.2	399.1
80°	289.4	306.4	327.2	334.8	346.2	325.3	297.0	276.2	245.9	236.4	228.9
82.5°	174.0	185.4	198.6	202.4	211.9	196.7	170.2	155.1	138.1	130.5	124.8
85°	88.9	94.6	102.1	104.0	102.1	87.0	77.6	70.0	58.6	56.7	53.0
87.5°	22.7	26.5	28.4	26.5	24.6	18.9	13.2	9.5	3.8	3.8	1.9
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)