

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: P639299

Luminaire Tested: GWS-SA5B-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639299
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-SA5B-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15210.3 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

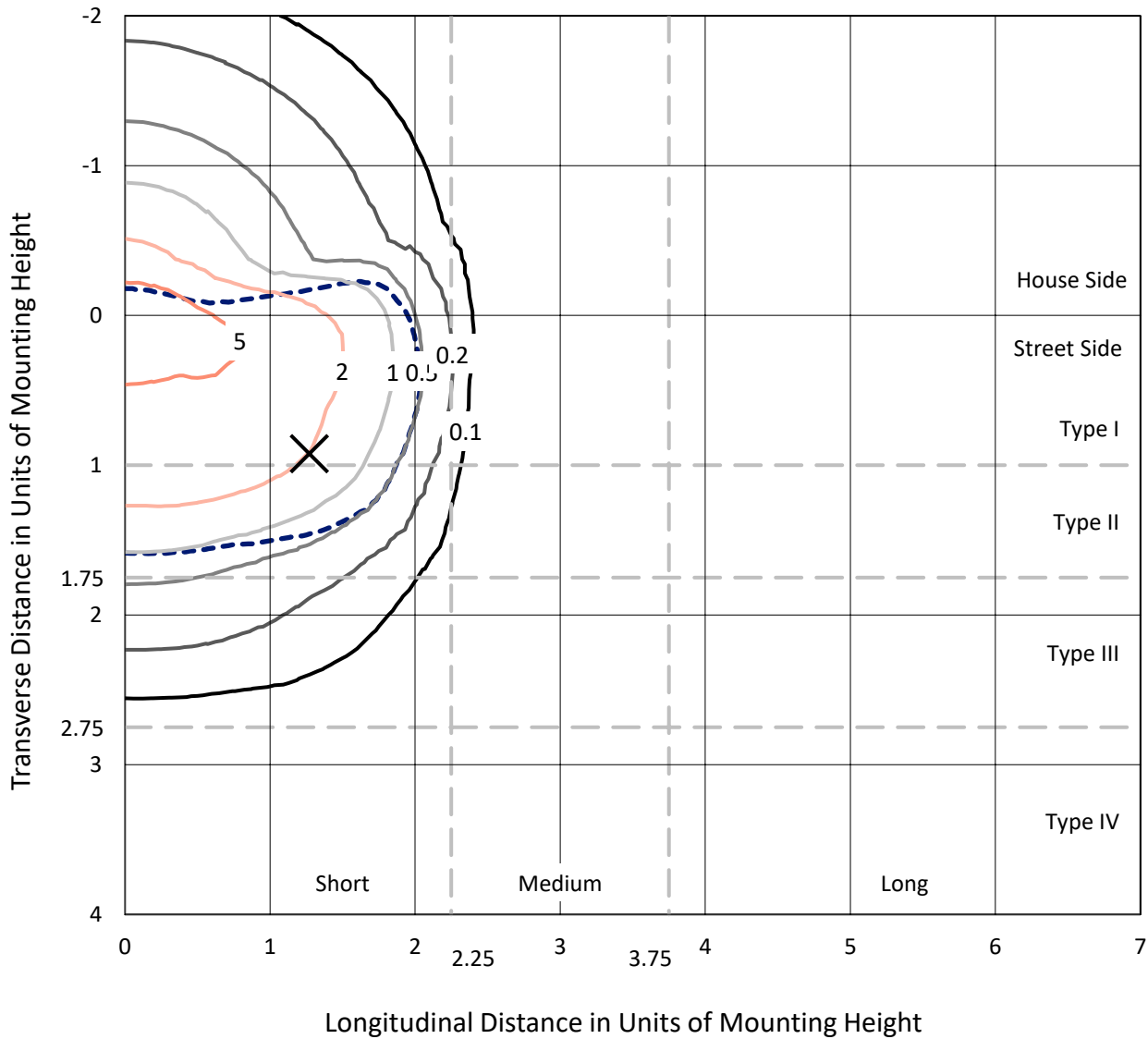
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

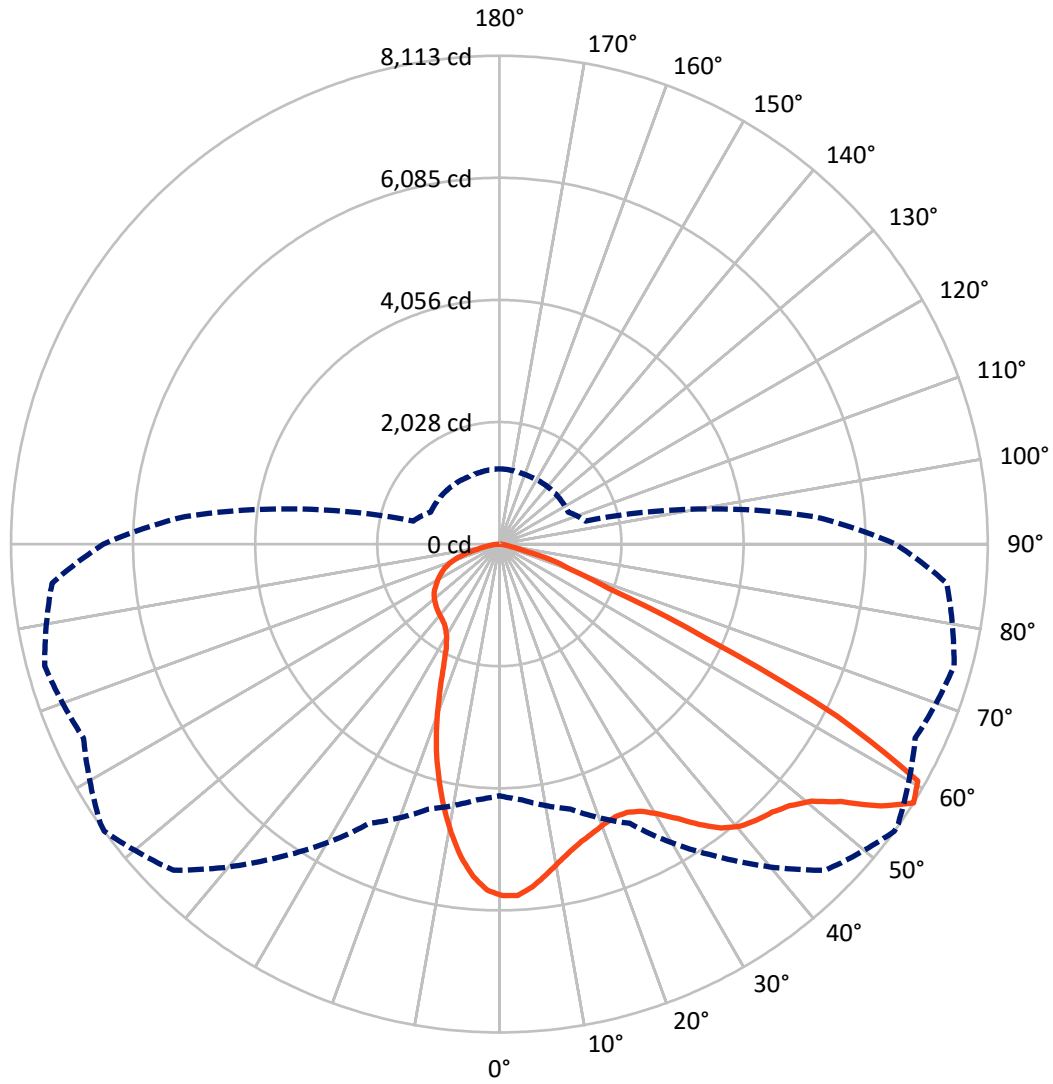
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 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	4421.8	0.0	4421.8
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	10788.5	0.0	10788.5
	% Fixture	70.9	0.0	70.9
Total	Lumens	15210.3	0.0	15210.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	513.3	3.4
10°-20°	1224.8	8.1
20°-30°	1694.9	11.1
30°-40°	2355.1	15.5
40°-50°	3110.4	20.4
50°-60°	3696.2	24.3
60°-70°	2047.8	13.5
70°-80°	509.9	3.4
80°-90°	58.0	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°	15210.3	100.0
0°-180°	15210.3	100.0

Coefficient of Utilization



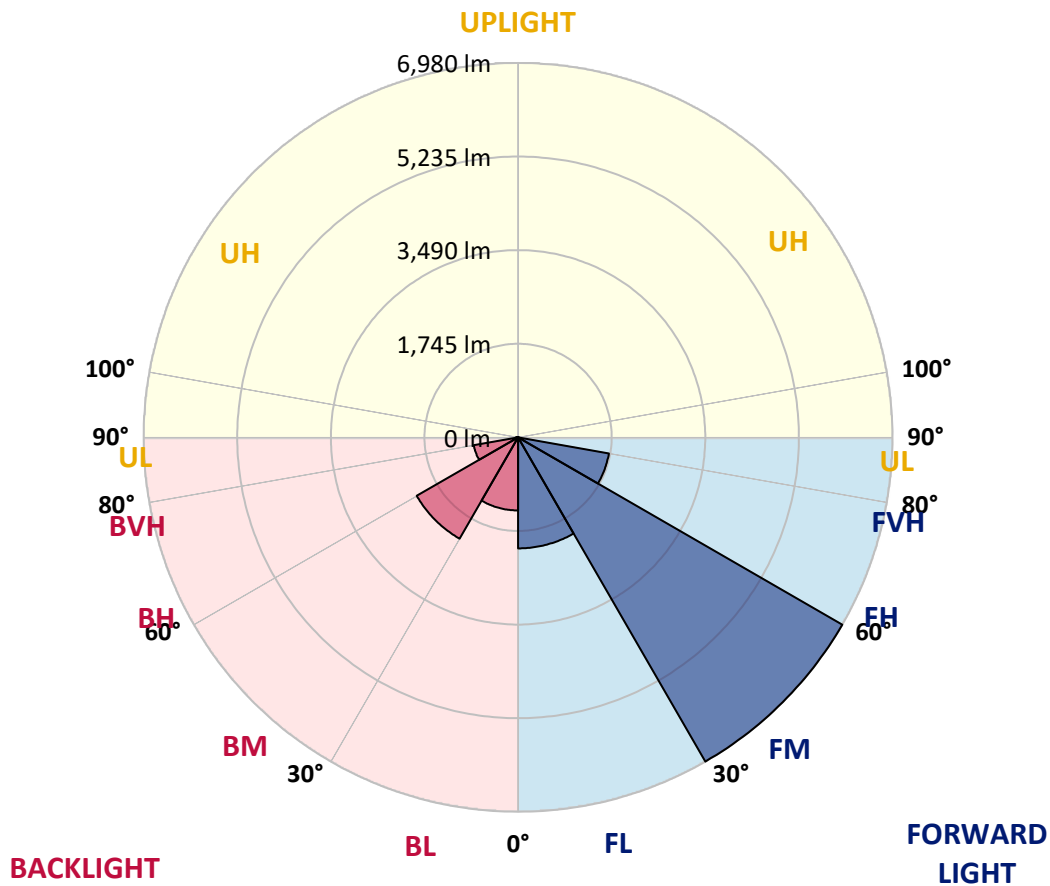
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2070.4	13.6			
FM (30°-60°)	6980.3	45.9			
FH (60°-80°)	1719.7	11.3			G1/1800
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1362.6	9.0	B3/2500		
BM (30°-60°)	2181.4	14.3	B2/2500		
BH (60°-80°)	838.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	39.8	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-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6
2.5°	5730.2	5741.9	5749.7	5777.1	5800.5	5821.4	5843.5	5843.5	5842.2	5838.3	5830.5
5°	5503.7	5516.7	5534.9	5572.7	5623.4	5659.9	5719.8	5725.0	5751.0	5761.5	5756.3
7.5°	5240.6	5244.6	5268.0	5317.5	5398.2	5463.3	5549.2	5559.6	5622.1	5658.6	5652.1
10°	4952.9	4939.9	4981.5	5054.5	5159.9	5269.3	5380.0	5389.1	5489.3	5558.3	5553.1
12.5°	4689.9	4691.2	4732.9	4821.4	4952.9	5088.3	5236.7	5257.6	5381.3	5469.8	5460.7
15°	4469.8	4475.1	4525.8	4626.1	4775.8	4937.3	5122.2	5141.7	5297.9	5415.1	5389.1
17.5°	4294.1	4299.3	4343.6	4458.1	4618.3	4813.6	5038.8	5058.4	5252.4	5391.7	5338.3
20°	4173.0	4170.4	4213.4	4322.7	4488.1	4700.3	4965.9	4994.6	5238.0	5400.8	5304.4
22.5°	4123.5	4122.2	4153.5	4243.3	4398.2	4613.1	4921.7	4960.7	5253.7	5441.2	5283.6
25°	4148.2	4143.0	4170.4	4236.8	4360.5	4579.2	4934.7	4976.3	5320.1	5524.5	5287.5
27.5°	4225.1	4218.6	4242.0	4301.9	4395.6	4614.4	5025.8	5074.0	5460.7	5676.8	5339.6
30°	4342.3	4338.3	4361.8	4419.1	4501.1	4731.6	5200.3	5255.0	5678.1	5913.8	5452.9
32.5°	4479.0	4472.5	4514.1	4580.5	4675.6	4945.1	5434.6	5506.3	5935.9	6218.5	5643.0
35°	4632.6	4627.4	4684.7	4781.0	4917.7	5242.0	5718.5	5796.6	6198.9	6563.5	5895.6
37.5°	4782.3	4782.3	4893.0	5036.2	5208.1	5564.9	5985.4	6034.9	6381.2	6869.5	6166.4
40°	4915.1	4923.0	5089.6	5304.4	5523.2	5856.5	6161.2	6202.8	6461.9	7080.4	6402.1
42.5°	5062.3	5068.8	5262.8	5544.0	5804.4	6092.2	6267.9	6288.8	6477.6	7185.9	6568.7
45°	5179.5	5188.6	5429.4	5730.2	6049.2	6269.2	6352.6	6370.8	6499.7	7243.2	6689.8
47.5°	5240.6	5253.7	5529.7	5879.9	6214.6	6428.1	6491.9	6499.7	6590.8	7343.4	6835.6
50°	5230.2	5256.3	5567.5	5954.2	6337.0	6588.2	6715.8	6728.9	6777.0	7490.5	7006.2
52.5°	5322.7	5334.4	5648.2	6042.7	6511.4	6883.8	7105.1	7123.4	7101.2	7601.2	7107.8
55°	5169.0	5225.0	5547.9	6029.7	6777.0	7340.8	7681.9	7672.8	7395.5	7724.9	7277.0
57.5°	4180.8	4262.8	4558.4	5118.3	6339.6	7661.1	8112.9	8090.8	7623.4	7820.0	7460.6
60°	2894.4	2907.4	3174.3	3571.5	4893.0	6767.9	7986.6	8034.8	7665.0	7700.2	7120.8
62.5°	2315.0	2311.1	2335.8	2346.2	3111.8	4757.6	6304.4	6480.2	6368.2	5999.7	5046.6
65°	1976.5	1990.8	2063.7	2026.0	2031.2	2679.6	3766.8	3791.5	3713.4	3580.6	2669.2
67.5°	1546.8	1571.5	1700.4	1847.6	1800.7	1725.2	1954.3	1942.6	1531.2	1184.8	979.1
70°	968.7	984.3	1122.3	1450.5	1567.6	1416.6	1256.5	1251.2	820.3	674.4	739.5
72.5°	565.1	567.7	606.7	808.6	1040.3	968.7	924.4	890.6	527.3	537.7	589.8
75°	311.2	311.2	309.9	348.9	410.1	363.3	351.5	342.4	352.8	399.7	438.8
77.5°	65.1	66.4	70.3	92.4	119.8	145.8	183.6	184.9	230.5	266.9	298.2
80°	29.9	31.2	39.1	49.5	63.8	84.6	112.0	113.3	139.3	168.0	188.8
82.5°	15.6	16.9	20.8	26.0	33.9	44.3	62.5	62.5	83.3	99.0	112.0
85°	5.2	5.2	7.8	10.4	14.3	18.2	24.7	24.7	36.5	48.2	56.0
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	5.2	6.5	7.8	13.0
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°	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6	5839.6
2.5°	5813.5	5773.2	5774.5	5782.3	5757.6	5719.8	5695.1	5663.8	5644.3	5640.4	5654.7
5°	5730.2	5683.3	5650.8	5616.9	5546.6	5463.3	5398.2	5344.8	5309.7	5296.6	5281.0
7.5°	5615.6	5554.4	5472.4	5377.4	5249.8	5101.3	4997.2	4899.5	4831.8	4812.3	4803.2
10°	5501.1	5412.5	5266.7	5089.6	4877.4	4676.9	4488.1	4343.6	4229.0	4163.9	4184.7
12.5°	5382.6	5273.2	5045.3	4773.2	4477.7	4175.6	3928.2	3688.6	3503.7	3411.3	3384.0
15°	5278.4	5130.0	4812.3	4443.8	4050.6	3670.4	3312.4	2953.0	2718.6	2591.0	2555.9
17.5°	5189.9	4997.2	4566.2	4107.9	3637.9	3096.2	2656.1	2322.8	2162.7	2092.4	2087.1
20°	5102.6	4867.0	4322.7	3745.9	3161.3	2554.6	2161.4	2005.1	1947.8	1923.1	1921.8
22.5°	5024.5	4730.3	4066.2	3384.0	2687.4	2147.0	1930.9	1863.2	1847.6	1847.6	1845.0
25°	4958.1	4593.5	3803.2	2999.9	2259.0	1911.4	1811.1	1782.5	1789.0	1800.7	1802.0
27.5°	4930.8	4486.8	3549.3	2605.4	1963.5	1774.7	1729.1	1725.2	1743.4	1761.6	1764.2
30°	4959.4	4413.9	3288.9	2227.8	1786.4	1691.3	1670.5	1678.3	1700.4	1718.7	1718.7
32.5°	5047.9	4377.4	3023.3	1951.7	1683.5	1632.7	1626.2	1634.0	1651.0	1661.4	1662.7
35°	5197.7	4391.7	2748.6	1765.5	1617.1	1589.8	1588.5	1593.7	1600.2	1606.7	1608.0
37.5°	5386.5	4455.5	2454.3	1657.5	1574.1	1558.5	1555.9	1554.6	1555.9	1555.9	1557.2
40°	5571.4	4551.9	2191.3	1593.7	1544.2	1531.2	1524.7	1515.6	1514.3	1511.7	1510.3
42.5°	5708.1	4626.1	1981.7	1548.1	1516.9	1501.2	1493.4	1479.1	1477.8	1476.5	1475.2
45°	5810.9	4688.6	1807.2	1503.8	1488.2	1473.9	1457.0	1443.9	1446.5	1449.2	1449.2
47.5°	5926.8	4743.3	1679.6	1462.2	1453.1	1438.7	1417.9	1408.8	1417.9	1427.0	1427.0
50°	6067.4	4820.1	1575.4	1420.5	1416.6	1399.7	1381.4	1377.5	1388.0	1401.0	1401.0
52.5°	6170.3	4886.5	1501.2	1378.8	1378.8	1356.7	1341.1	1339.8	1351.5	1364.5	1365.8
55°	6363.0	5041.4	1475.2	1330.7	1325.5	1308.5	1296.8	1287.7	1302.0	1313.7	1313.7
57.5°	6580.4	5247.2	1481.7	1261.7	1255.2	1249.9	1240.8	1230.4	1234.3	1247.3	1248.6
60°	6119.5	4848.7	1410.1	1192.7	1188.7	1186.1	1174.4	1156.2	1161.4	1171.8	1173.1
62.5°	4274.5	3222.5	1140.6	1106.7	1119.7	1118.4	1102.8	1082.0	1083.3	1097.6	1097.6
65°	2218.6	1743.4	1001.3	1028.6	1048.1	1040.3	1014.3	996.0	993.4	1011.7	1007.8
67.5°	957.0	951.8	911.4	946.6	967.4	950.5	923.1	893.2	895.8	902.3	897.1
70°	770.8	794.2	811.2	848.9	865.8	834.6	804.7	787.7	773.4	772.1	763.0
72.5°	615.9	648.4	686.2	725.2	730.4	699.2	661.4	645.8	623.7	622.4	613.3
75°	463.5	490.9	520.8	552.1	552.1	522.1	497.4	489.6	463.5	455.7	447.9
77.5°	316.4	333.3	356.8	364.6	372.4	360.7	335.9	322.9	293.0	285.1	274.7
80°	199.2	210.9	225.3	230.5	238.3	223.9	204.4	190.1	169.3	162.8	157.5
82.5°	119.8	127.6	136.7	139.3	145.8	135.4	117.2	106.8	95.0	89.8	85.9
85°	61.2	65.1	70.3	71.6	70.3	59.9	53.4	48.2	40.4	39.1	36.5
87.5°	15.6	18.2	19.5	18.2	16.9	13.0	9.1	6.5	2.6	2.6	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)