

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: P635889

Luminaire Tested: GWS-SA3E-760-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635889
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-SA3E-760-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18580.6 lumens
Efficiency: N/A
Efficacy: 116.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

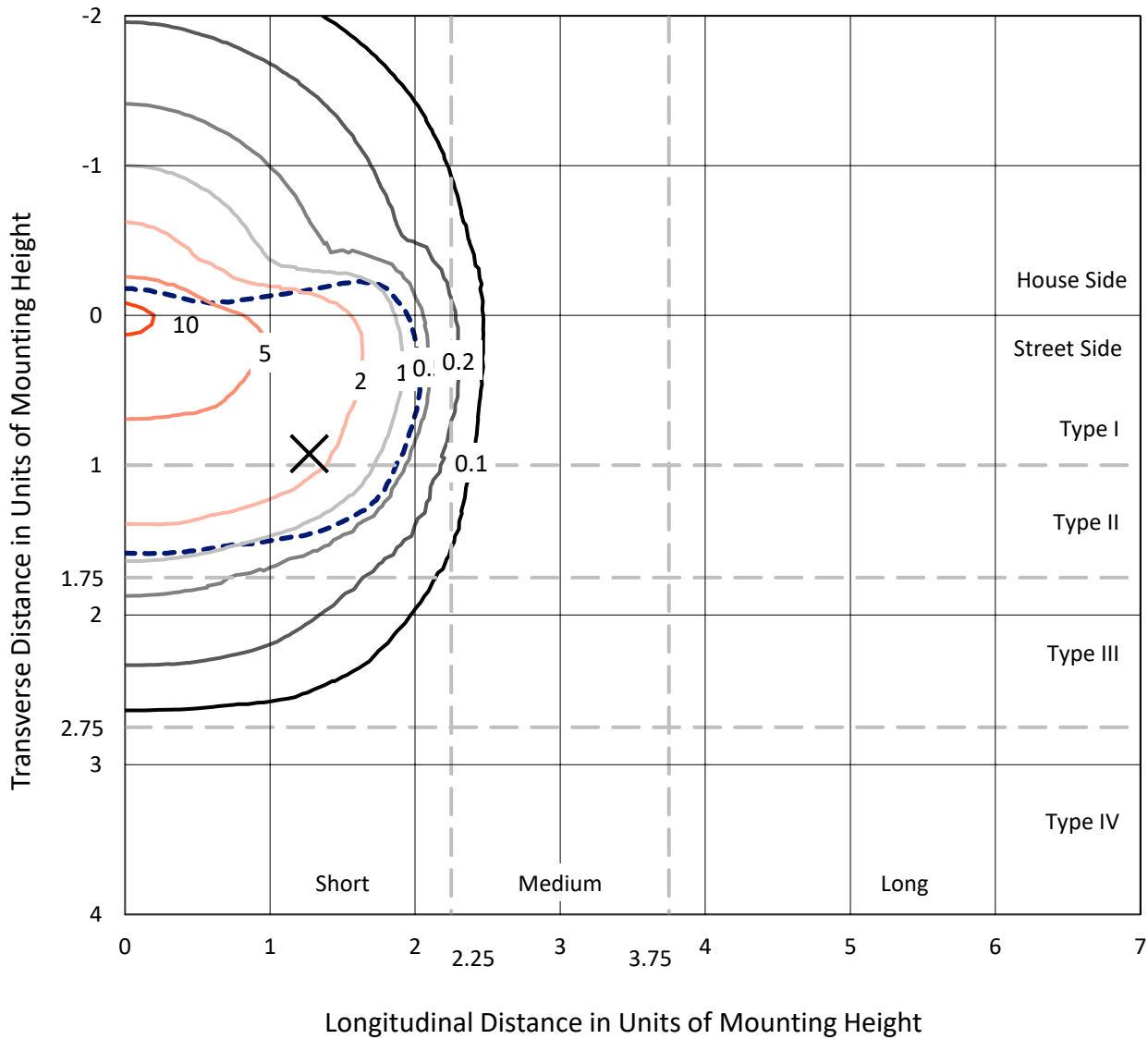
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

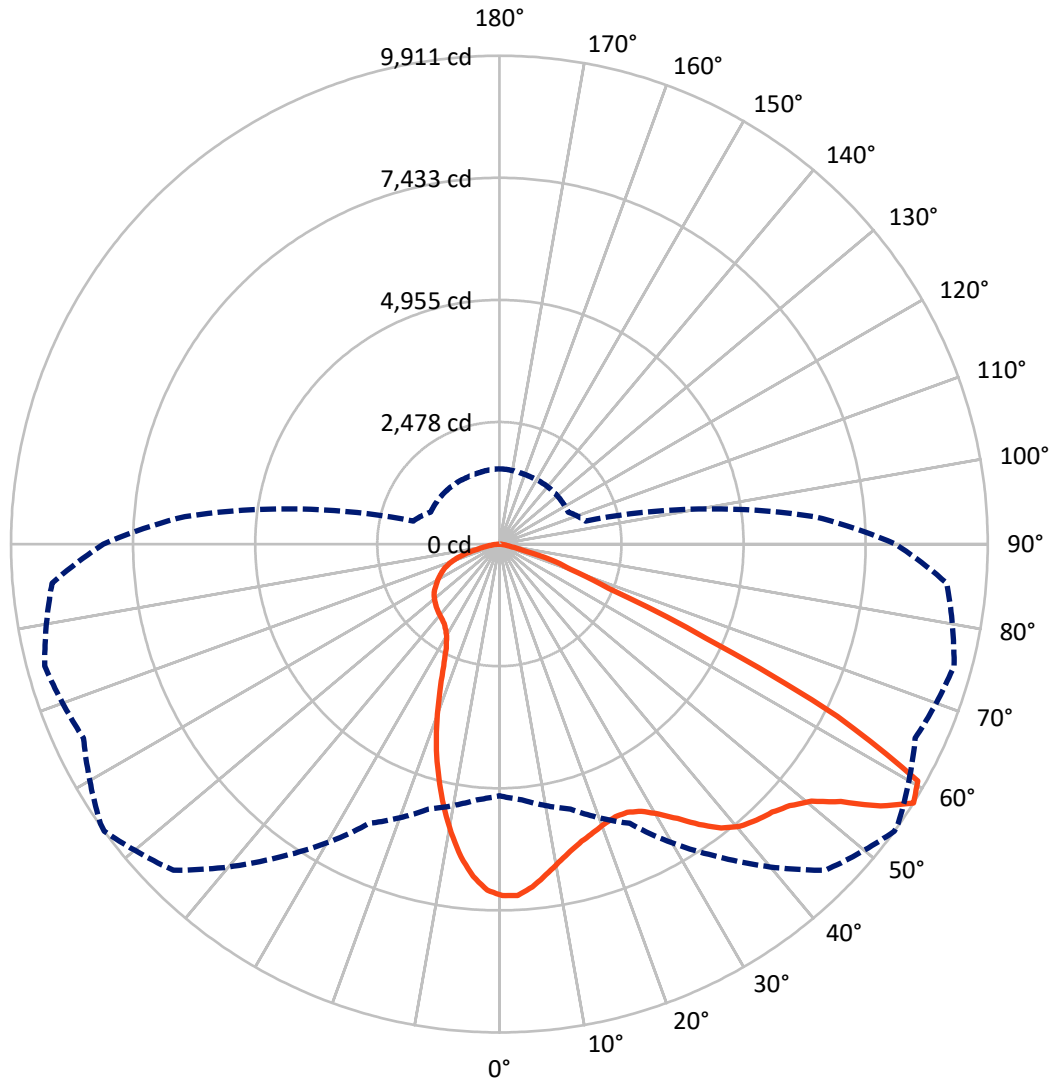
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	5401.6	0.0	5401.6
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	13179.0	0.0	13179.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	18580.6	0.0	18580.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	627.0	3.4
10°-20°	1496.2	8.1
20°-30°	2070.5	11.1
30°-40°	2876.9	15.5
40°-50°	3799.6	20.4
50°-60°	4515.2	24.3
60°-70°	2501.5	13.5
70°-80°	622.9	3.4
80°-90°	70.8	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°	18580.6	100.0
0°-180°	18580.6	100.0

Coefficient of Utilization



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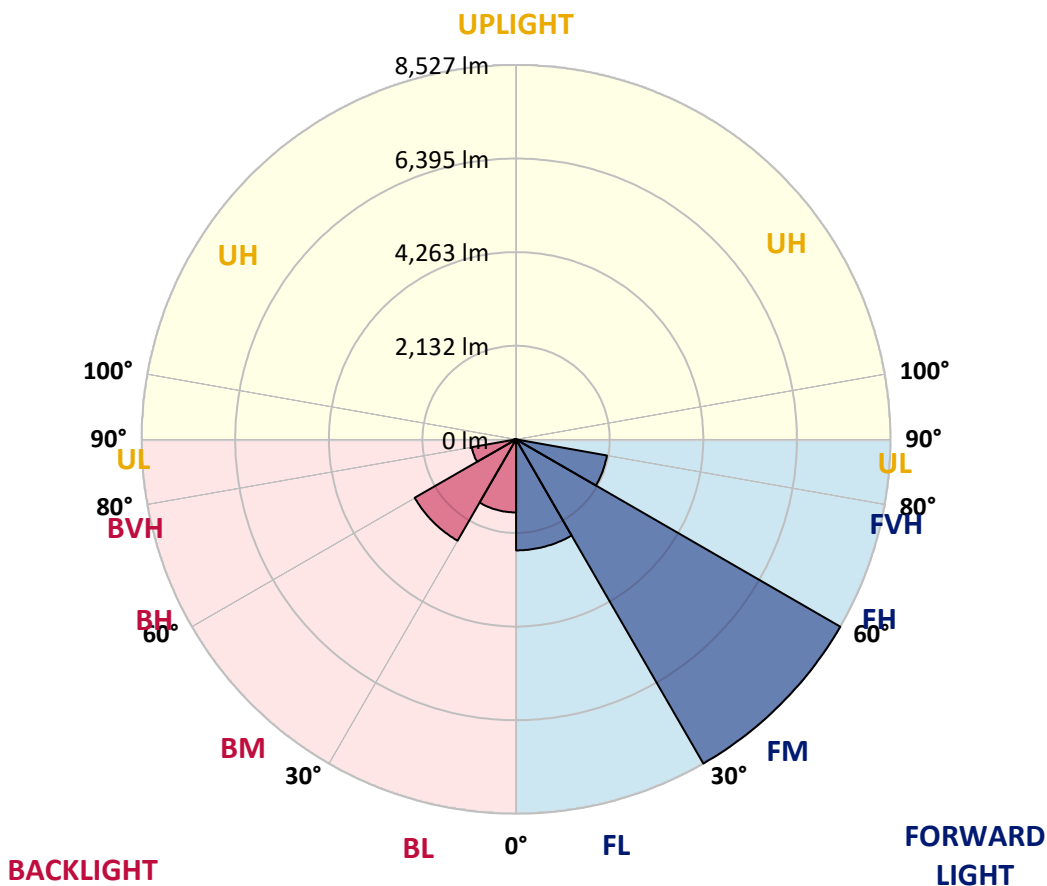
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2529.1	13.6			
FM (30°-60°)	8526.9	45.9			
FH (60°-80°)	2100.8	11.3			G2/5000
FVH (80°-90°)	22.2	0.1			G1/100
BL (0°-30°)	1664.5	9.0	B3/2500		
BM (30°-60°)	2664.7	14.3	B3/5000		
BH (60°-80°)	1023.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	48.7	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°	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5
2.5°	6999.9	7014.2	7023.8	7057.2	7085.8	7111.2	7138.3	7138.3	7136.7	7131.9	7122.4
5°	6723.2	6739.1	6761.3	6807.5	6869.5	6914.0	6987.2	6993.5	7025.4	7038.1	7031.7
7.5°	6401.9	6406.6	6435.3	6495.7	6594.3	6673.9	6778.8	6791.6	6867.9	6912.4	6904.5
10°	6050.4	6034.5	6085.4	6174.4	6303.3	6436.9	6572.1	6583.2	6705.7	6790.0	6783.6
12.5°	5729.1	5730.7	5781.6	5889.7	6050.4	6215.8	6397.1	6422.5	6573.6	6681.8	6670.7
15°	5460.3	5466.6	5528.7	5651.1	5834.1	6031.3	6257.1	6281.0	6471.9	6615.0	6583.2
17.5°	5245.6	5251.9	5306.0	5446.0	5641.6	5880.2	6155.3	6179.2	6416.2	6586.4	6521.2
20°	5097.6	5094.5	5146.9	5280.6	5482.5	5741.8	6066.3	6101.3	6398.7	6597.5	6479.8
22.5°	5037.2	5035.6	5073.8	5183.5	5372.8	5635.2	6012.2	6059.9	6417.8	6646.8	6454.4
25°	5067.4	5061.1	5094.5	5175.6	5326.7	5593.9	6028.1	6079.0	6498.9	6748.6	6459.1
27.5°	5161.3	5153.3	5181.9	5255.1	5369.6	5636.8	6139.4	6198.3	6670.7	6934.7	6522.8
30°	5304.4	5299.6	5328.3	5398.2	5498.5	5780.0	6352.6	6419.4	6936.3	7224.2	6661.1
32.5°	5471.4	5463.5	5514.4	5595.5	5711.6	6040.8	6638.9	6726.3	7251.2	7596.4	6893.3
35°	5659.1	5652.7	5722.7	5840.4	6007.4	6403.5	6985.6	7081.0	7572.5	8017.8	7201.9
37.5°	5842.0	5842.0	5977.2	6152.2	6362.1	6797.9	7311.7	7372.1	7795.2	8391.6	7532.7
40°	6004.2	6013.8	6217.4	6479.8	6747.0	7154.2	7526.4	7577.3	7893.8	8649.3	7820.6
42.5°	6184.0	6191.9	6428.9	6772.5	7090.6	7442.1	7656.8	7682.2	7912.9	8778.1	8024.2
45°	6327.1	6338.3	6632.5	6999.9	7389.6	7658.4	7760.2	7782.4	7939.9	8848.1	8172.1
47.5°	6401.9	6417.8	6755.0	7182.8	7591.6	7852.4	7930.4	7939.9	8051.2	8970.6	8350.3
50°	6389.1	6421.0	6801.1	7273.5	7741.1	8048.1	8203.9	8219.8	8278.7	9150.3	8558.6
52.5°	6502.1	6516.4	6899.7	7381.6	7954.2	8409.1	8679.5	8701.8	8674.7	9285.5	8682.7
55°	6314.4	6382.8	6777.2	7365.7	8278.7	8967.4	9384.1	9373.0	9034.2	9436.6	8889.5
57.5°	5107.2	5207.4	5568.4	6252.4	7744.3	9358.7	9910.6	9883.5	9312.5	9552.7	9113.7
60°	3535.7	3551.6	3877.7	4362.8	5977.2	8267.6	9756.3	9815.1	9363.4	9406.4	8698.6
62.5°	2828.0	2823.2	2853.4	2866.1	3801.4	5811.8	7701.3	7916.1	7779.3	7329.1	6164.9
65°	2414.4	2431.9	2521.0	2474.9	2481.2	3273.3	4601.4	4631.6	4536.2	4373.9	3260.6
67.5°	1889.5	1919.8	2077.2	2257.0	2199.7	2107.4	2387.4	2373.1	1870.5	1447.4	1196.1
70°	1183.4	1202.4	1371.0	1771.8	1915.0	1730.5	1534.9	1528.5	1002.0	823.9	903.4
72.5°	690.3	693.5	741.2	987.7	1270.8	1183.4	1129.3	1087.9	644.2	656.9	720.5
75°	380.1	380.1	378.5	426.3	501.0	443.8	429.4	418.3	431.0	488.3	536.0
77.5°	79.5	81.1	85.9	112.9	146.3	178.1	224.3	225.9	281.5	326.1	364.2
80°	36.6	38.2	47.7	60.4	77.9	103.4	136.8	138.4	170.2	205.2	230.6
82.5°	19.1	20.7	25.4	31.8	41.4	54.1	76.3	76.3	101.8	120.9	136.8
85°	6.4	6.4	9.5	12.7	17.5	22.3	30.2	30.2	44.5	58.8	68.4
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.4	6.4	8.0	9.5	15.9
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°	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5	7133.5
2.5°	7101.7	7052.4	7054.0	7063.5	7033.3	6987.2	6957.0	6918.8	6894.9	6890.2	6907.7
5°	6999.9	6942.7	6902.9	6861.5	6775.6	6673.9	6594.3	6529.1	6486.2	6470.3	6451.2
7.5°	6859.9	6785.2	6685.0	6568.9	6413.0	6231.7	6104.4	5985.2	5902.4	5878.6	5867.5
10°	6720.0	6611.8	6433.7	6217.4	5958.1	5713.2	5482.5	5306.0	5166.0	5086.5	5112.0
12.5°	6575.2	6441.6	6163.3	5830.9	5469.8	5100.8	4798.6	4506.0	4280.1	4167.2	4133.8
15°	6448.0	6266.7	5878.6	5428.5	4948.1	4483.7	4046.3	3607.3	3321.0	3165.1	3122.2
17.5°	6339.8	6104.4	5578.0	5018.1	4443.9	3782.3	3244.7	2837.5	2641.9	2556.0	2549.6
20°	6233.3	5945.4	5280.6	4575.9	3861.8	3120.6	2640.3	2449.4	2379.4	2349.2	2347.6
22.5°	6137.8	5778.4	4967.2	4133.8	3282.8	2622.8	2358.8	2276.0	2257.0	2257.0	2253.8
25°	6056.7	5611.4	4645.9	3664.6	2759.6	2334.9	2212.4	2177.4	2185.4	2199.7	2201.3
27.5°	6023.3	5481.0	4335.8	3182.6	2398.5	2167.9	2112.2	2107.4	2129.7	2152.0	2155.2
30°	6058.3	5391.9	4017.7	2721.4	2182.2	2066.1	2040.6	2050.2	2077.2	2099.5	2099.5
32.5°	6166.5	5347.4	3693.2	2384.2	2056.6	1994.5	1986.6	1996.1	2016.8	2029.5	2031.1
35°	6349.4	5364.8	3357.6	2156.8	1975.4	1942.0	1940.4	1946.8	1954.8	1962.7	1964.3
37.5°	6580.0	5442.8	2998.1	2024.7	1922.9	1903.9	1900.7	1899.1	1900.7	1900.7	1902.3
40°	6805.9	5560.5	2676.9	1946.8	1886.4	1870.5	1862.5	1851.4	1849.8	1846.6	1845.0
42.5°	6972.9	5651.1	2420.8	1891.1	1853.0	1833.9	1824.3	1806.8	1805.2	1803.7	1802.1
45°	7098.5	5727.5	2207.7	1837.1	1818.0	1800.5	1779.8	1763.9	1767.1	1770.3	1770.3
47.5°	7240.1	5794.3	2051.8	1786.2	1775.0	1757.5	1732.1	1721.0	1732.1	1743.2	1743.2
50°	7411.9	5888.1	1924.5	1735.3	1730.5	1709.8	1687.5	1682.8	1695.5	1711.4	1711.4
52.5°	7537.5	5969.2	1833.9	1684.4	1684.4	1657.3	1638.2	1636.7	1651.0	1666.9	1668.5
55°	7772.9	6158.5	1802.1	1625.5	1619.2	1598.5	1584.2	1573.0	1590.5	1604.8	1604.8
57.5°	8038.5	6409.8	1810.0	1541.2	1533.3	1526.9	1515.8	1503.0	1507.8	1523.7	1525.3
60°	7475.5	5923.1	1722.5	1456.9	1452.2	1449.0	1434.7	1412.4	1418.8	1431.5	1433.1
62.5°	5221.7	3936.6	1393.3	1351.9	1367.9	1366.3	1347.2	1321.7	1323.3	1340.8	1340.8
65°	2710.3	2129.7	1223.1	1256.5	1280.4	1270.8	1239.0	1216.8	1213.6	1235.8	1231.1
67.5°	1169.0	1162.7	1113.4	1156.3	1181.8	1161.1	1127.7	1091.1	1094.3	1102.2	1095.9
70°	941.6	970.2	990.9	1037.0	1057.7	1019.5	982.9	962.3	944.8	943.2	932.0
72.5°	752.3	792.1	838.2	885.9	892.3	854.1	808.0	788.9	761.9	760.3	749.1
75°	566.2	599.6	636.2	674.4	674.4	637.8	607.6	598.0	566.2	556.7	547.1
77.5°	386.5	407.2	435.8	445.3	454.9	440.6	410.4	394.5	357.9	348.3	335.6
80°	243.4	257.7	275.2	281.5	291.1	273.6	249.7	232.2	206.8	198.8	192.5
82.5°	146.3	155.9	167.0	170.2	178.1	165.4	143.1	130.4	116.1	109.7	105.0
85°	74.8	79.5	85.9	87.5	85.9	73.2	65.2	58.8	49.3	47.7	44.5
87.5°	19.1	22.3	23.9	22.3	20.7	15.9	11.1	8.0	3.2	3.2	1.6
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)