

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: P636270

Luminaire Tested: GWS-SA3F-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636270
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20824.9 lumens
Efficiency: N/A
Efficacy: 113.7 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

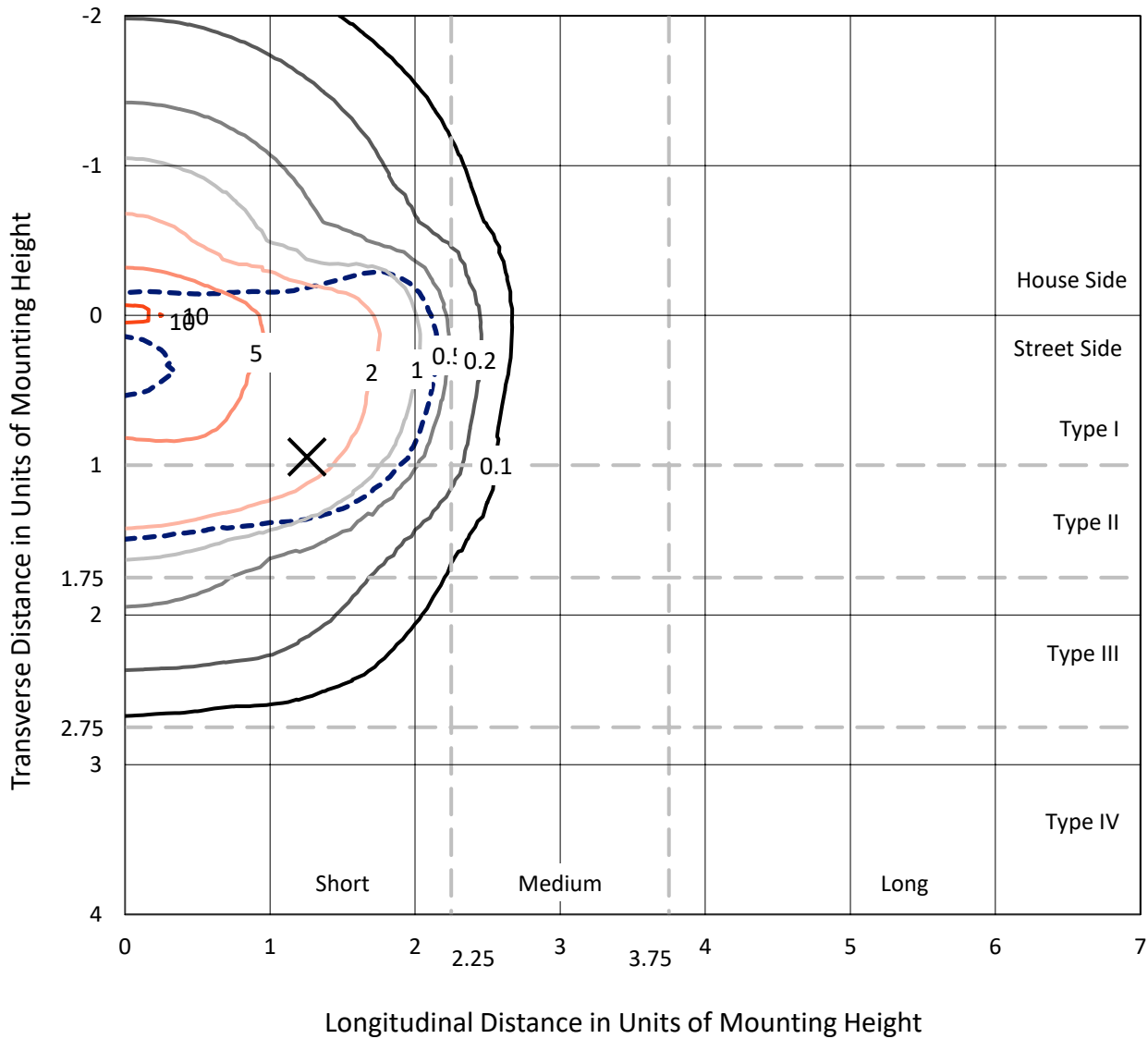
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636270
 CATALOG NUMBER: GWS-SA3F-740-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

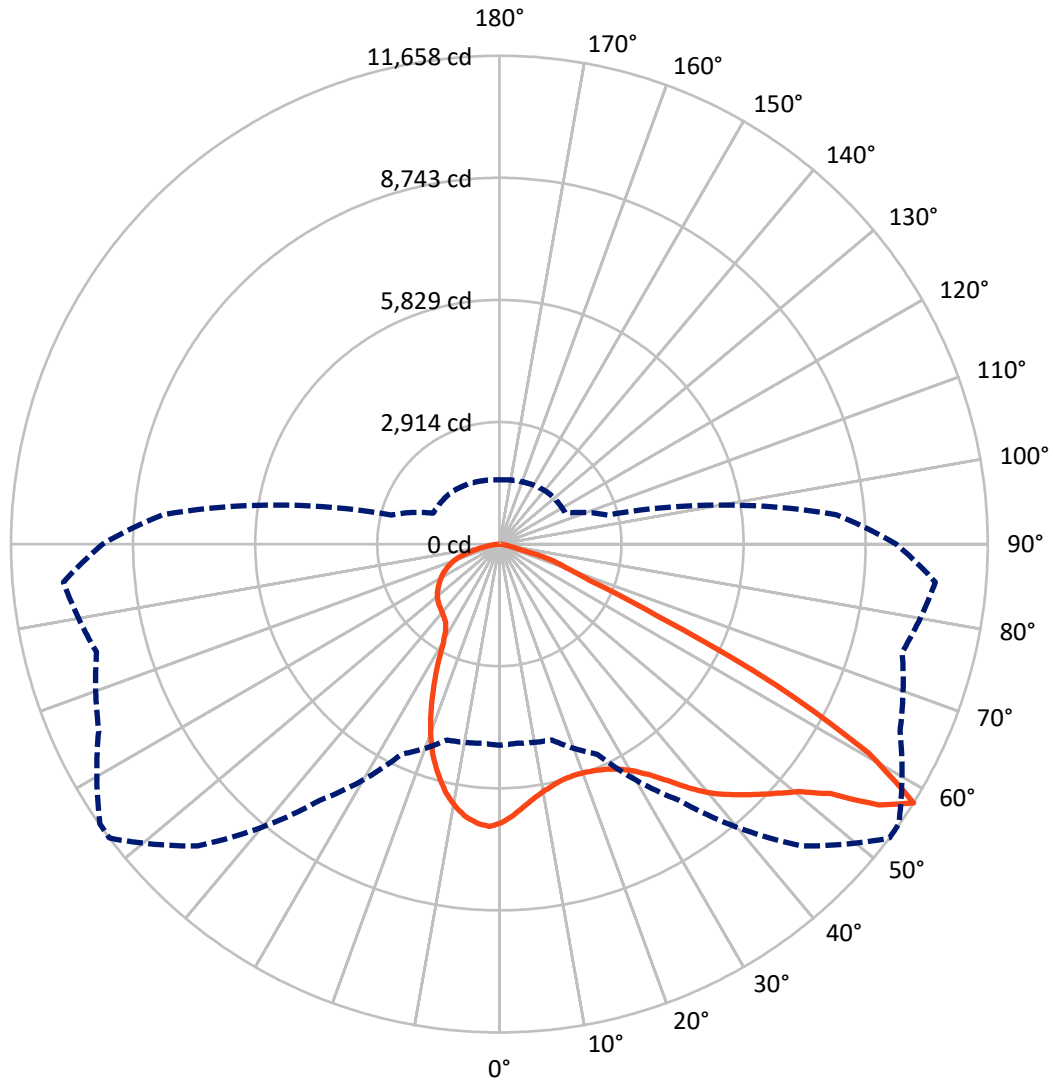
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

REPORT NUMBER: P636270
CATALOG NUMBER: GWS-SA3F-740-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P636270

CATALOG NUMBER: GWS-SA3F-740-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6511.2	0.0	6511.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	14313.7	0.0	14313.7
	% Fixture	68.7	0.0	68.7
Total	Lumens	20824.9	0.0	20824.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.4	2.9
10°-20°	1577.7	7.6
20°-30°	2324.5	11.2
30°-40°	3253.7	15.6
40°-50°	4277.2	20.5
50°-60°	5015.0	24.1
60°-70°	2954.4	14.2
70°-80°	734.9	3.5
80°-90°	86.2	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°	20824.9	100.0
0°-180°	20824.9	100.0

Coefficient of Utilization



REPORT NUMBER: P636270

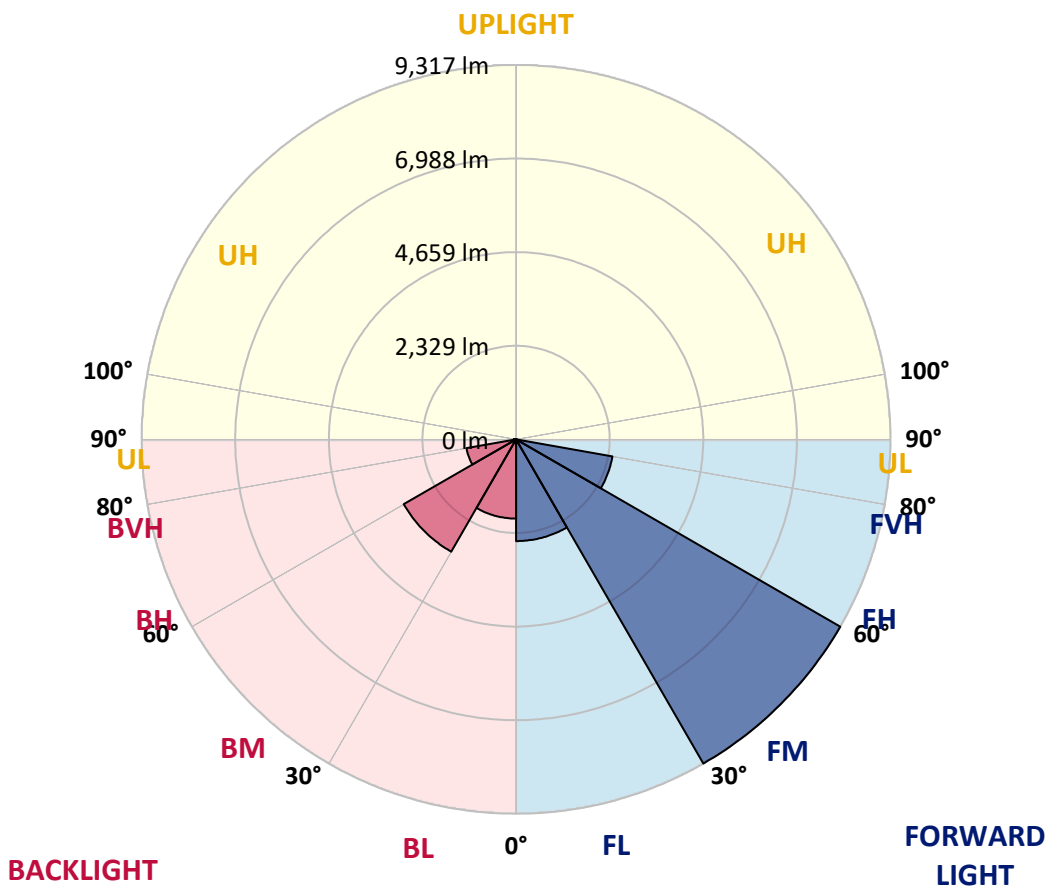
CATALOG NUMBER: GWS-SA3F-740-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2531.9	12.2			
FM (30°-60°)	9317.2	44.7			
FH (60°-80°)	2435.7	11.7			G2/5000
FVH (80°-90°)	28.9	0.1			G1/100
BL (0°-30°)	1971.6	9.5	B3/2500		
BM (30°-60°)	3228.6	15.5	B3/5000		
BH (60°-80°)	1253.6	6.0	B3/2500		G3/2500
BVH (80°-90°)	57.4	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





REPORT NUMBER: P636270

CATALOG NUMBER: GWS-SA3F-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0
2.5°	6267.9	6285.4	6288.9	6343.2	6346.7	6425.6	6478.2	6467.7	6522.0	6588.6	6641.2
5°	5968.1	5969.9	5987.4	6052.3	6087.3	6190.7	6278.4	6278.4	6383.5	6520.2	6637.7
7.5°	5721.0	5719.2	5735.0	5806.9	5864.7	5989.2	6108.4	6122.4	6269.6	6469.4	6660.5
10°	5491.4	5503.7	5521.2	5608.8	5682.4	5836.7	5978.6	6001.4	6187.2	6434.4	6692.0
12.5°	5344.2	5345.9	5372.2	5470.3	5565.0	5729.8	5878.7	5906.8	6120.6	6401.1	6714.8
15°	5249.5	5251.3	5279.3	5388.0	5498.4	5664.9	5817.4	5848.9	6082.1	6395.8	6758.6
17.5°	5207.4	5205.7	5232.0	5340.6	5461.6	5635.1	5798.1	5836.7	6099.6	6436.1	6835.7
20°	5207.4	5209.2	5223.2	5321.4	5444.1	5628.1	5817.4	5864.7	6167.9	6527.3	6954.9
22.5°	5281.1	5288.1	5295.1	5361.7	5458.1	5638.6	5868.2	5931.3	6315.2	6679.8	7110.9
25°	5424.8	5426.5	5433.5	5487.9	5531.7	5668.4	5952.4	6047.0	6544.8	6902.3	7307.2
27.5°	5617.6	5642.1	5649.1	5684.2	5684.2	5742.0	6083.8	6220.5	6855.0	7223.1	7557.9
30°	5887.5	5896.3	5908.5	5947.1	5905.0	5880.5	6276.6	6451.9	7214.3	7610.5	7859.4
32.5°	6124.1	6143.4	6210.0	6273.1	6197.7	6120.6	6560.6	6767.4	7559.6	8013.6	8180.1
35°	6325.7	6373.0	6501.0	6641.2	6588.6	6511.5	6937.4	7153.0	7843.6	8302.8	8464.1
37.5°	6569.3	6606.1	6781.4	7009.3	7056.6	7019.8	7396.6	7550.9	8032.9	8376.4	8618.3
40°	6816.5	6872.6	7098.7	7414.2	7594.7	7621.0	7820.8	7924.2	8097.7	8232.7	8588.5
42.5°	7068.9	7165.3	7475.5	7843.6	8164.3	8223.9	8178.4	8222.2	8076.7	8034.6	8450.0
45°	7377.3	7491.3	7841.8	8311.6	8734.0	8826.9	8528.9	8488.6	8073.2	7959.3	8364.1
47.5°	7741.9	7855.8	8190.6	8737.5	9277.3	9345.7	8888.2	8814.6	8195.9	8074.9	8479.8
50°	8064.4	8143.3	8443.0	9054.7	9783.9	9824.2	9284.3	9195.0	8500.9	8395.7	8840.9
52.5°	7736.7	7727.9	8043.4	8797.1	10046.8	10532.3	9894.3	9808.4	9089.8	8928.5	9400.0
55°	6564.1	6464.2	6746.4	7487.8	9312.4	11161.5	10988.0	10816.3	9875.0	9464.9	9924.1
57.5°	4799.0	4771.0	4839.4	5535.2	7459.7	10187.0	11657.6	11641.8	10553.3	9955.6	10446.4
60°	3752.6	3710.6	3528.3	3547.6	5084.7	7957.5	10116.9	10581.4	10974.0	10250.1	10811.0
62.5°	3332.0	3300.4	3205.8	2944.6	3028.8	5335.4	7415.9	7841.8	9589.3	9053.0	9286.1
65°	2758.8	2750.1	2828.9	2818.4	2538.0	2946.4	4185.6	4615.0	6029.5	6104.8	6029.5
67.5°	2005.2	1989.4	2189.2	2583.6	2443.3	2224.2	2332.9	2481.9	3091.9	2776.4	2499.4
70°	1304.0	1281.3	1396.9	1866.7	2187.4	1938.5	1680.9	1656.4	1700.2	1056.9	1142.8
72.5°	874.6	848.3	846.6	1027.1	1321.6	1305.8	1302.3	1290.0	1151.6	834.3	925.5
75°	487.3	466.2	461.0	443.4	473.2	482.0	513.6	531.1	574.9	632.7	701.1
77.5°	82.4	80.6	101.7	129.7	178.8	229.6	283.9	299.7	369.8	438.2	482.0
80°	45.6	47.3	61.3	75.4	99.9	136.7	175.3	185.8	227.9	264.7	299.7
82.5°	24.5	24.5	31.5	40.3	54.3	71.9	94.6	103.4	131.5	154.2	178.8
85°	8.8	8.8	12.3	15.8	22.8	29.8	36.8	42.1	57.8	78.9	89.4
87.5°	0.0	0.0	0.0	0.0	1.8	3.5	7.0	7.0	8.8	15.8	22.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P636270
 CATALOG NUMBER: GWS-SA3F-740-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0	6650.0
2.5°	6685.0	6637.7	6702.5	6732.3	6742.8	6749.9	6704.3	6672.7	6662.2	6628.9	6609.6
5°	6709.5	6678.0	6739.3	6739.3	6695.5	6650.0	6557.1	6492.2	6446.6	6392.3	6383.5
7.5°	6751.6	6728.8	6762.1	6693.8	6583.3	6460.7	6299.4	6173.2	6071.5	6004.9	6006.7
10°	6807.7	6779.7	6753.4	6600.9	6399.3	6173.2	5926.1	5742.0	5573.8	5496.6	5454.6
12.5°	6844.5	6804.2	6693.8	6441.4	6145.2	5841.9	5493.1	5219.7	4976.1	4865.6	4856.9
15°	6890.1	6816.5	6595.6	6234.6	5822.7	5409.0	4960.3	4579.9	4250.4	4078.7	4069.9
17.5°	6949.7	6828.7	6478.2	5997.9	5482.6	4872.7	4308.3	3829.8	3479.2	3346.0	3368.8
20°	7033.8	6842.8	6345.0	5735.0	5060.2	4262.7	3559.8	3119.9	2984.9	2976.2	2958.7
22.5°	7128.5	6851.5	6197.7	5440.6	4548.4	3612.4	2941.1	2753.6	2751.8	2795.6	2806.2
25°	7235.4	6858.5	6031.2	5097.0	3994.5	2963.9	2601.1	2545.0	2588.8	2671.2	2681.7
27.5°	7372.1	6872.6	5829.7	4720.2	3405.6	2560.8	2413.5	2399.5	2452.1	2529.2	2525.7
30°	7573.7	6923.4	5615.8	4287.2	2800.9	2369.7	2299.6	2301.4	2322.4	2359.2	2364.5
32.5°	7778.7	7002.3	5407.2	3800.0	2453.9	2261.1	2229.5	2226.0	2226.0	2241.8	2245.3
35°	7973.3	7091.6	5181.1	3291.7	2285.6	2198.0	2176.9	2166.4	2161.1	2157.6	2152.4
37.5°	8082.0	7135.5	4960.3	2790.4	2196.2	2155.9	2134.9	2120.8	2101.6	2087.5	2084.0
40°	8034.6	7084.6	4704.4	2415.3	2141.9	2115.6	2091.0	2071.8	2045.5	2033.2	2026.2
42.5°	7876.9	6926.9	4425.7	2238.3	2098.0	2071.8	2042.0	2010.4	1992.9	1982.4	1980.6
45°	7710.4	6735.8	4089.2	2134.9	2056.0	2024.4	1989.4	1954.3	1935.0	1929.8	1928.0
47.5°	7705.1	6641.2	3731.6	2052.5	2005.2	1973.6	1929.8	1894.7	1873.7	1866.7	1859.7
50°	7936.5	6737.6	3328.5	1980.6	1952.6	1919.3	1870.2	1831.6	1805.3	1796.6	1794.8
52.5°	8416.7	7100.4	2967.4	1908.8	1882.5	1843.9	1803.6	1765.0	1733.5	1717.7	1715.9
55°	8935.5	7561.4	2743.1	1835.1	1800.1	1766.8	1730.0	1687.9	1652.8	1628.3	1624.8
57.5°	9471.9	8064.4	2674.7	1742.2	1715.9	1693.2	1649.3	1603.8	1563.5	1540.7	1535.4
60°	9913.6	8497.4	2802.7	1644.1	1630.1	1600.3	1560.0	1516.1	1488.1	1470.6	1467.1
62.5°	8299.3	6918.1	2262.8	1537.2	1537.2	1505.6	1460.0	1428.5	1409.2	1396.9	1393.4
65°	5267.0	4283.7	1544.2	1430.2	1428.5	1386.4	1347.9	1326.8	1318.1	1298.8	1295.3
67.5°	2294.4	1957.8	1319.8	1321.6	1314.6	1269.0	1230.4	1214.7	1197.1	1176.1	1174.3
70°	1190.1	1212.9	1181.4	1200.6	1188.4	1134.0	1097.2	1072.7	1035.9	1014.8	1016.6
72.5°	960.5	985.0	1020.1	1049.9	1023.6	979.8	921.9	892.2	844.8	822.0	823.8
75°	732.7	758.9	792.2	823.8	802.8	748.4	711.6	681.8	627.5	601.2	606.5
77.5°	504.8	518.8	559.1	557.4	550.4	534.6	480.3	445.2	389.1	357.6	361.1
80°	313.7	322.5	341.8	350.6	347.0	326.0	282.2	255.9	222.6	203.3	205.1
82.5°	189.3	194.6	212.1	213.8	212.1	196.3	163.0	143.7	122.7	112.2	112.2
85°	96.4	99.9	110.4	110.4	99.9	84.1	75.4	66.6	54.3	49.1	49.1
87.5°	26.3	26.3	33.3	28.0	22.8	21.0	10.5	8.8	3.5	1.8	1.8
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)