

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: P639790

Luminaire Tested: GWS-SA5C-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639790
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-SA5C-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 20746.2 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

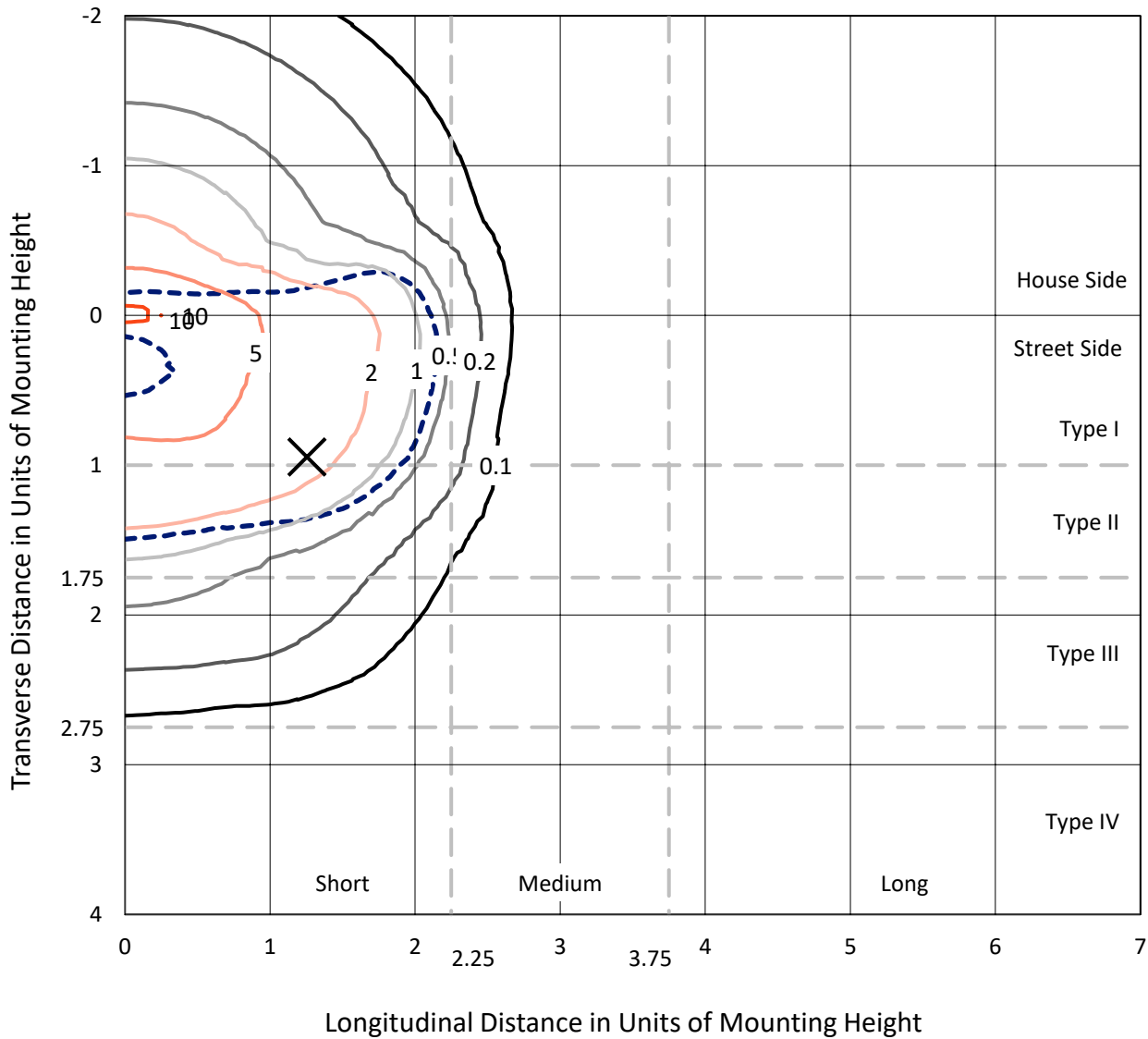
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

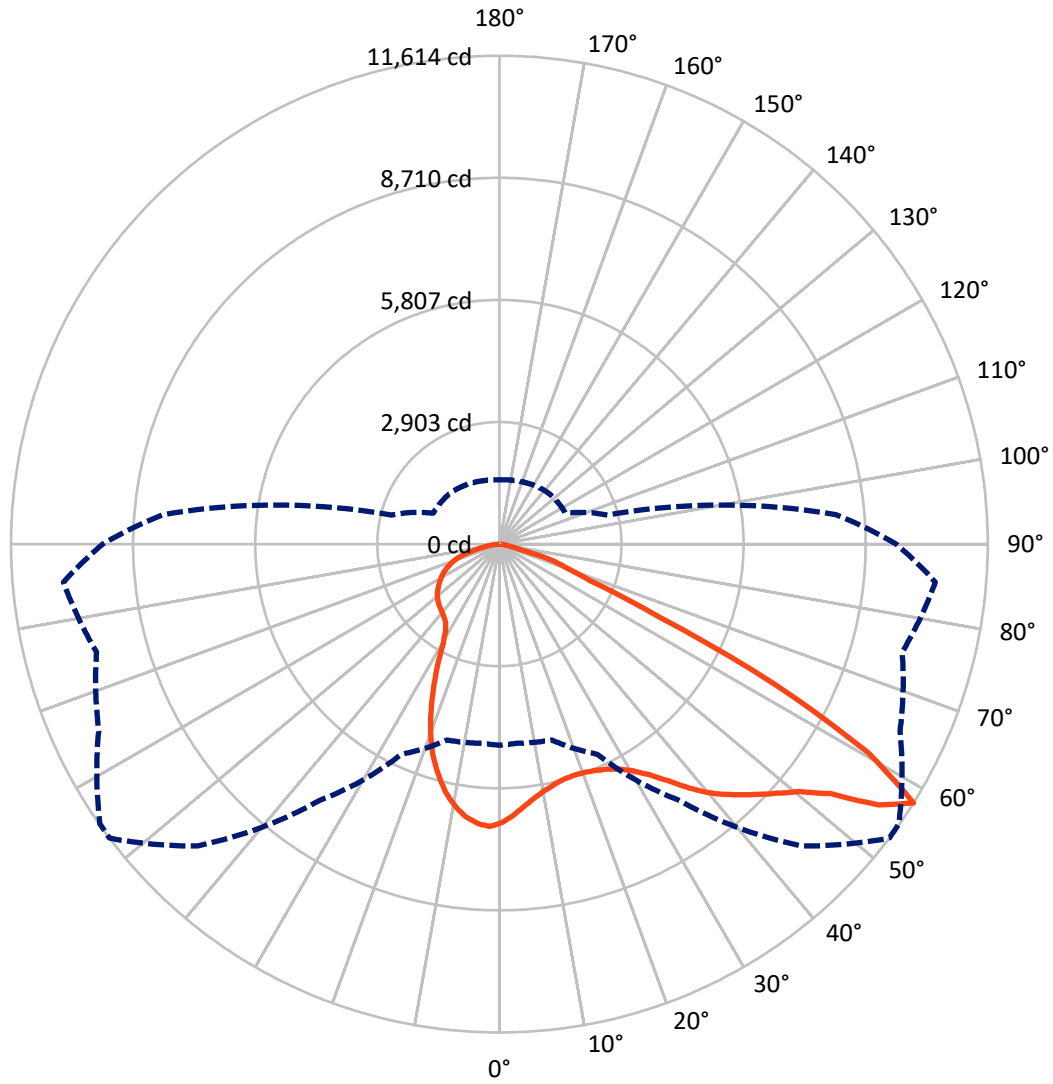
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6486.6	0.0	6486.6
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	14259.6	0.0	14259.6
	% Fixture	68.7	0.0	68.7
Total	Lumens	20746.2	0.0	20746.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	599.1	2.9
10°-20°	1571.7	7.6
20°-30°	2315.7	11.2
30°-40°	3241.4	15.6
40°-50°	4261.0	20.5
50°-60°	4996.0	24.1
60°-70°	2943.2	14.2
70°-80°	732.2	3.5
80°-90°	85.9	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°	20746.2	100.0
0°-180°	20746.2	100.0

Coefficient of Utilization



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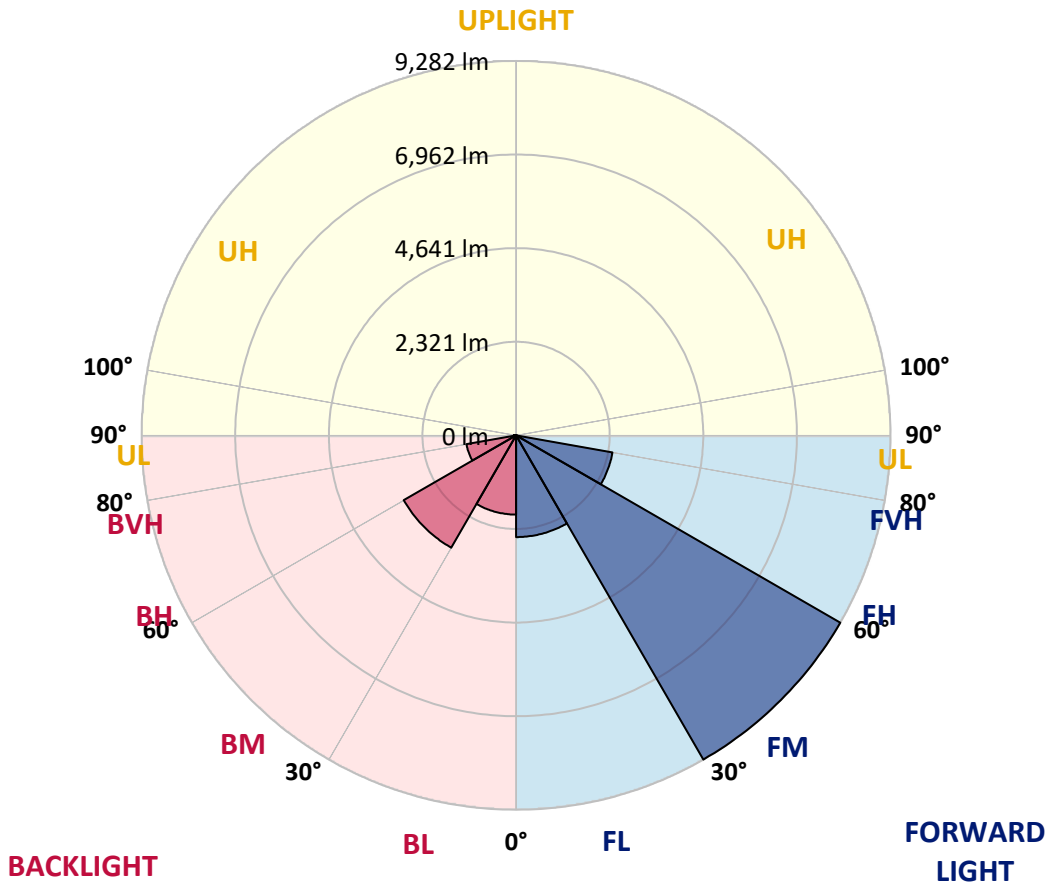
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2522.3	12.2			
FM (30°-60°)	9282.0	44.7			
FH (60°-80°)	2426.5	11.7			G2/5000
FVH (80°-90°)	28.7	0.1			G1/100
BL (0°-30°)	1964.2	9.5	B3/2500		
BM (30°-60°)	3216.4	15.5	B3/5000		
BH (60°-80°)	1248.9	6.0	B3/2500		G3/2500
BVH (80°-90°)	57.2	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°	53°	55°	65°	75°	85°
0°	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8
2.5°	6244.2	6261.6	6265.1	6319.2	6322.7	6401.3	6453.7	6443.2	6497.4	6563.7	6616.1
5°	5945.6	5947.3	5964.8	6029.4	6064.3	6167.3	6254.6	6254.6	6359.4	6495.6	6612.6
7.5°	5699.4	5697.6	5713.3	5784.9	5842.6	5966.5	6085.3	6099.2	6245.9	6445.0	6635.3
10°	5470.6	5482.9	5500.3	5587.6	5661.0	5814.6	5956.1	5978.8	6163.8	6410.0	6666.7
12.5°	5324.0	5325.7	5351.9	5449.7	5544.0	5708.1	5856.5	5884.5	6097.5	6376.9	6689.4
15°	5229.7	5231.4	5259.3	5367.6	5477.6	5643.5	5795.4	5826.8	6059.1	6371.6	6733.1
17.5°	5187.8	5186.0	5212.2	5320.5	5440.9	5613.8	5776.2	5814.6	6076.5	6411.8	6809.9
20°	5187.8	5189.5	5203.5	5301.3	5423.5	5606.8	5795.4	5842.6	6144.6	6502.6	6928.6
22.5°	5261.1	5268.1	5275.1	5341.4	5437.5	5617.3	5846.0	5908.9	6291.3	6654.5	7084.1
25°	5404.3	5406.0	5413.0	5467.1	5510.8	5647.0	5929.9	6024.2	6520.1	6876.3	7279.6
27.5°	5596.4	5620.8	5627.8	5662.7	5662.7	5720.3	6060.8	6197.0	6829.1	7195.8	7529.3
30°	5865.3	5874.0	5886.2	5924.6	5882.7	5858.3	6252.9	6427.5	7187.1	7581.7	7829.7
32.5°	6101.0	6120.2	6186.5	6249.4	6174.3	6097.5	6535.8	6741.8	7531.1	7983.3	8149.2
35°	6301.8	6348.9	6476.4	6616.1	6563.7	6486.9	6911.2	7126.0	7813.9	8271.4	8432.1
37.5°	6544.5	6581.2	6755.8	6982.8	7029.9	6993.3	7368.7	7522.3	8002.5	8344.8	8585.7
40°	6790.7	6846.6	7071.8	7386.1	7566.0	7592.2	7791.2	7894.3	8067.1	8201.6	8556.0
42.5°	7042.1	7138.2	7447.3	7813.9	8133.5	8192.8	8147.4	8191.1	8046.2	8004.3	8418.1
45°	7349.5	7463.0	7812.2	8280.2	8701.0	8793.5	8496.7	8456.5	8042.7	7929.2	8332.5
47.5°	7712.7	7826.2	8159.7	8704.5	9242.3	9310.4	8854.6	8781.3	8164.9	8044.4	8447.8
50°	8034.0	8112.5	8411.1	9020.5	9746.9	9787.1	9249.3	9160.2	8468.7	8364.0	8807.5
52.5°	7707.4	7698.7	8013.0	8763.8	10008.8	10492.5	9856.9	9771.4	9055.4	8894.8	9364.5
55°	6539.3	6439.7	6720.9	7459.5	9277.2	11119.4	10946.5	10775.4	9837.7	9429.1	9886.6
57.5°	4780.9	4753.0	4821.1	5514.3	7431.5	10148.5	11613.5	11597.8	10513.5	9918.0	10406.9
60°	3738.5	3696.6	3515.0	3534.2	5065.5	7927.4	10078.7	10541.4	10932.5	10211.4	10770.1
62.5°	3319.4	3288.0	3193.7	2933.5	3017.3	5315.2	7387.9	7812.2	9553.1	9018.8	9251.0
65°	2748.4	2739.7	2818.3	2807.8	2528.4	2935.2	4169.8	4597.6	6006.7	6081.8	6006.7
67.5°	1997.6	1981.9	2180.9	2573.8	2434.1	2215.8	2324.1	2472.5	3080.2	2765.9	2490.0
70°	1299.1	1276.4	1391.7	1859.6	2179.2	1931.2	1674.5	1650.1	1693.7	1052.9	1138.5
72.5°	871.3	845.1	843.4	1023.2	1316.6	1300.9	1297.4	1285.2	1147.2	831.2	922.0
75°	485.4	464.5	459.2	441.8	471.5	480.2	511.6	529.1	572.7	630.4	698.5
77.5°	82.1	80.3	101.3	129.2	178.1	228.7	282.9	298.6	368.4	436.5	480.2
80°	45.4	47.1	61.1	75.1	99.5	136.2	174.6	185.1	227.0	263.7	298.6
82.5°	24.4	24.4	31.4	40.2	54.1	71.6	94.3	103.0	131.0	153.7	178.1
85°	8.7	8.7	12.2	15.7	22.7	29.7	36.7	41.9	57.6	78.6	89.1
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	7.0	7.0	8.7	15.7	22.7
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°	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8	6624.8
2.5°	6659.7	6612.6	6677.2	6706.9	6717.4	6724.4	6679.0	6647.5	6637.0	6603.9	6584.7
5°	6684.2	6652.8	6713.9	6713.9	6670.2	6624.8	6532.3	6467.7	6422.3	6368.1	6359.4
7.5°	6726.1	6703.4	6736.6	6668.5	6558.5	6436.2	6275.6	6149.9	6048.6	5982.2	5984.0
10°	6782.0	6754.0	6727.8	6575.9	6375.1	6149.9	5903.7	5720.3	5552.7	5475.9	5434.0
12.5°	6818.6	6778.5	6668.5	6417.0	6121.9	5819.9	5472.4	5200.0	4957.3	4847.3	4838.5
15°	6864.0	6790.7	6570.7	6211.0	5800.6	5388.6	4941.6	4562.6	4234.4	4063.2	4054.5
17.5°	6923.4	6802.9	6453.7	5975.3	5461.9	4854.2	4292.0	3815.3	3466.1	3333.4	3356.1
20°	7007.2	6816.9	6321.0	5713.3	5041.1	4246.6	3546.4	3108.1	2973.7	2964.9	2947.5
22.5°	7101.5	6825.6	6174.3	5420.0	4531.2	3598.8	2930.0	2743.2	2741.4	2785.1	2795.6
25°	7208.0	6832.6	6008.4	5077.7	3979.4	2952.7	2591.3	2535.4	2579.0	2661.1	2671.6
27.5°	7344.2	6846.6	5807.6	4702.3	3392.7	2551.1	2404.4	2390.5	2442.8	2519.7	2516.2
30°	7545.0	6897.2	5594.6	4271.0	2790.3	2360.8	2290.9	2292.7	2313.6	2350.3	2355.5
32.5°	7749.3	6975.8	5386.8	3785.6	2444.6	2252.5	2221.1	2217.6	2217.6	2233.3	2236.8
35°	7943.2	7064.8	5161.6	3279.2	2277.0	2189.6	2168.7	2158.2	2153.0	2149.5	2144.2
37.5°	8051.4	7108.5	4941.6	2779.8	2187.9	2147.7	2126.8	2112.8	2093.6	2079.6	2076.2
40°	8004.3	7057.9	4686.6	2406.2	2133.8	2107.6	2083.1	2063.9	2037.7	2025.5	2018.5
42.5°	7847.1	6900.7	4409.0	2229.8	2090.1	2063.9	2034.2	2002.8	1985.4	1974.9	1973.1
45°	7681.2	6710.4	4073.7	2126.8	2048.2	2016.8	1981.9	1946.9	1927.7	1922.5	1920.7
47.5°	7676.0	6616.1	3717.5	2044.7	1997.6	1966.1	1922.5	1887.6	1866.6	1859.6	1852.6
50°	7906.5	6712.1	3315.9	1973.1	1945.2	1912.0	1863.1	1824.7	1798.5	1789.8	1788.0
52.5°	8384.9	7073.6	2956.2	1901.5	1875.3	1836.9	1796.8	1758.4	1726.9	1711.2	1709.5
55°	8901.8	7532.8	2732.7	1828.2	1793.3	1760.1	1723.4	1681.5	1646.6	1622.2	1618.7
57.5°	9436.1	8034.0	2664.6	1735.7	1709.5	1686.8	1643.1	1597.7	1557.5	1534.8	1529.6
60°	9876.1	8465.2	2792.1	1637.9	1623.9	1594.2	1554.1	1510.4	1482.5	1465.0	1461.5
62.5°	8267.9	6892.0	2254.3	1531.4	1531.4	1499.9	1454.5	1423.1	1403.9	1391.7	1388.2
65°	5247.1	4267.5	1538.3	1424.8	1423.1	1381.2	1342.8	1321.8	1313.1	1293.9	1290.4
67.5°	2285.7	1950.4	1314.8	1316.6	1309.6	1264.2	1225.8	1210.1	1192.6	1171.7	1169.9
70°	1185.6	1208.3	1176.9	1196.1	1183.9	1129.7	1093.1	1068.6	1032.0	1011.0	1012.8
72.5°	956.9	981.3	1016.2	1045.9	1019.7	976.1	918.5	888.8	841.6	818.9	820.7
75°	729.9	756.1	789.3	820.7	799.7	745.6	708.9	679.2	625.1	598.9	604.2
77.5°	502.9	516.9	557.0	555.3	548.3	532.6	478.4	443.5	387.6	356.2	359.7
80°	312.6	321.3	340.5	349.2	345.7	324.8	281.1	254.9	221.8	202.6	204.3
82.5°	188.6	193.8	211.3	213.0	211.3	195.6	162.4	143.2	122.2	111.8	111.8
85°	96.0	99.5	110.0	110.0	99.5	83.8	75.1	66.4	54.1	48.9	48.9
87.5°	26.2	26.2	33.2	27.9	22.7	21.0	10.5	8.7	3.5	1.7	1.7
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)