

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: P636050

Luminaire Tested: GWS-SA3F-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636050
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15339.6 lumens
Efficiency: N/A
Efficacy: 83.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

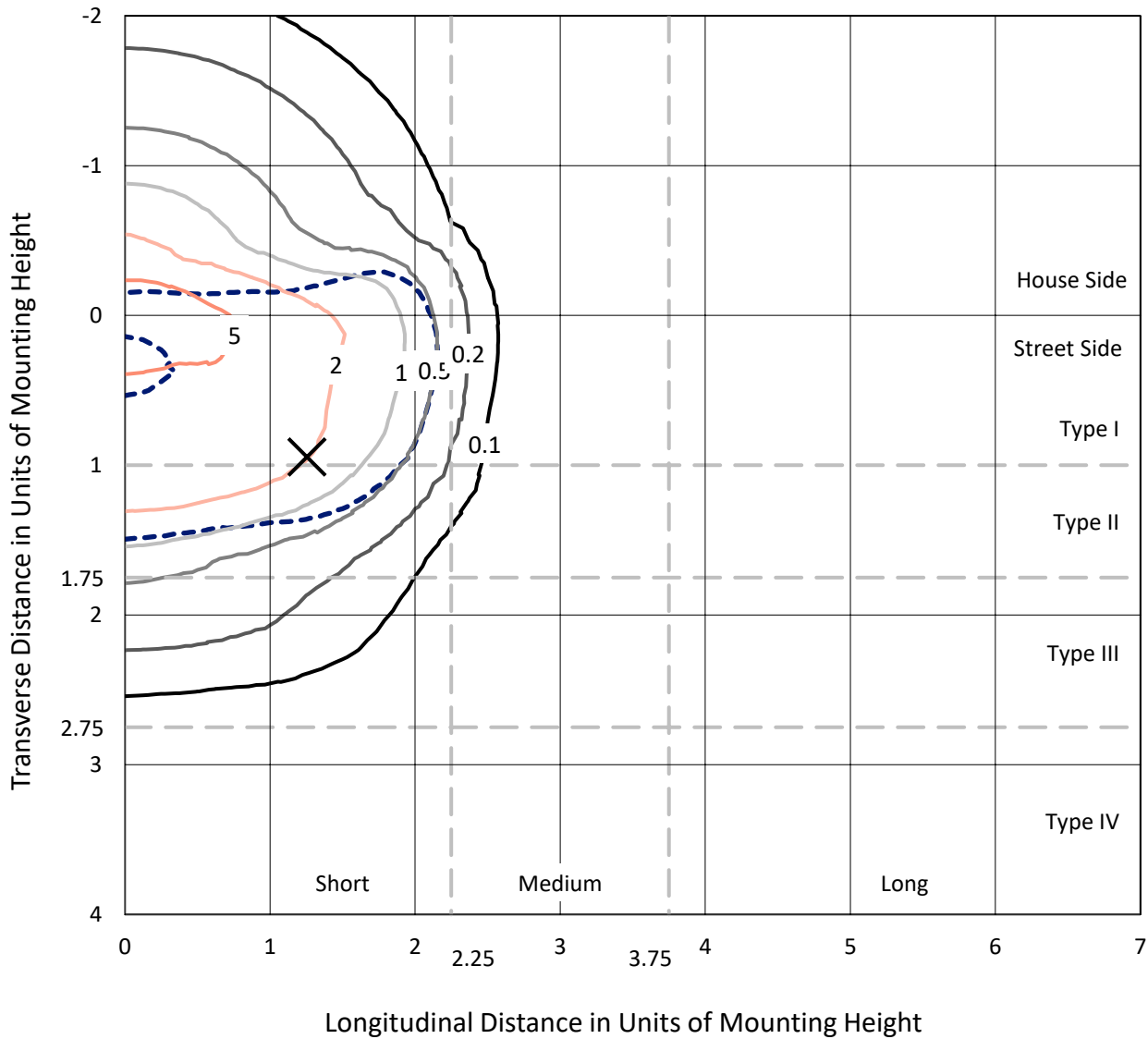
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636050
 CATALOG NUMBER: GWS-SA3F-722-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

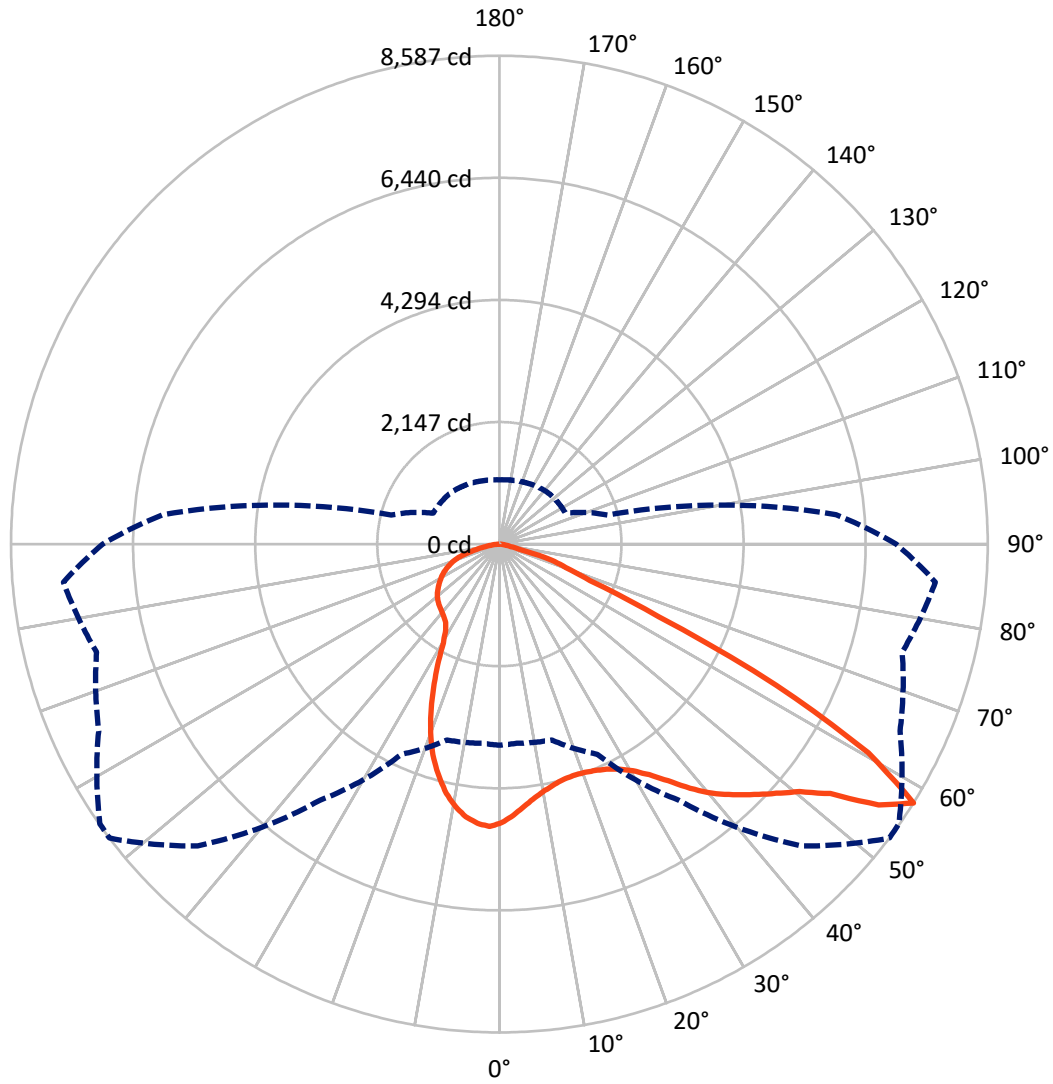
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Short - N/A

REPORT NUMBER: P636050
CATALOG NUMBER: GWS-SA3F-722-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA3F-722-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4796.1	0.0	4796.1
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	10543.5	0.0	10543.5
	% Fixture	68.7	0.0	68.7
Total	Lumens	15339.6	0.0	15339.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	443.0	2.9
10°-20°	1162.1	7.6
20°-30°	1712.2	11.2
30°-40°	2396.6	15.6
40°-50°	3150.6	20.5
50°-60°	3694.0	24.1
60°-70°	2176.2	14.2
70°-80°	541.4	3.5
80°-90°	63.5	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°	15339.6	100.0
0°-180°	15339.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636050

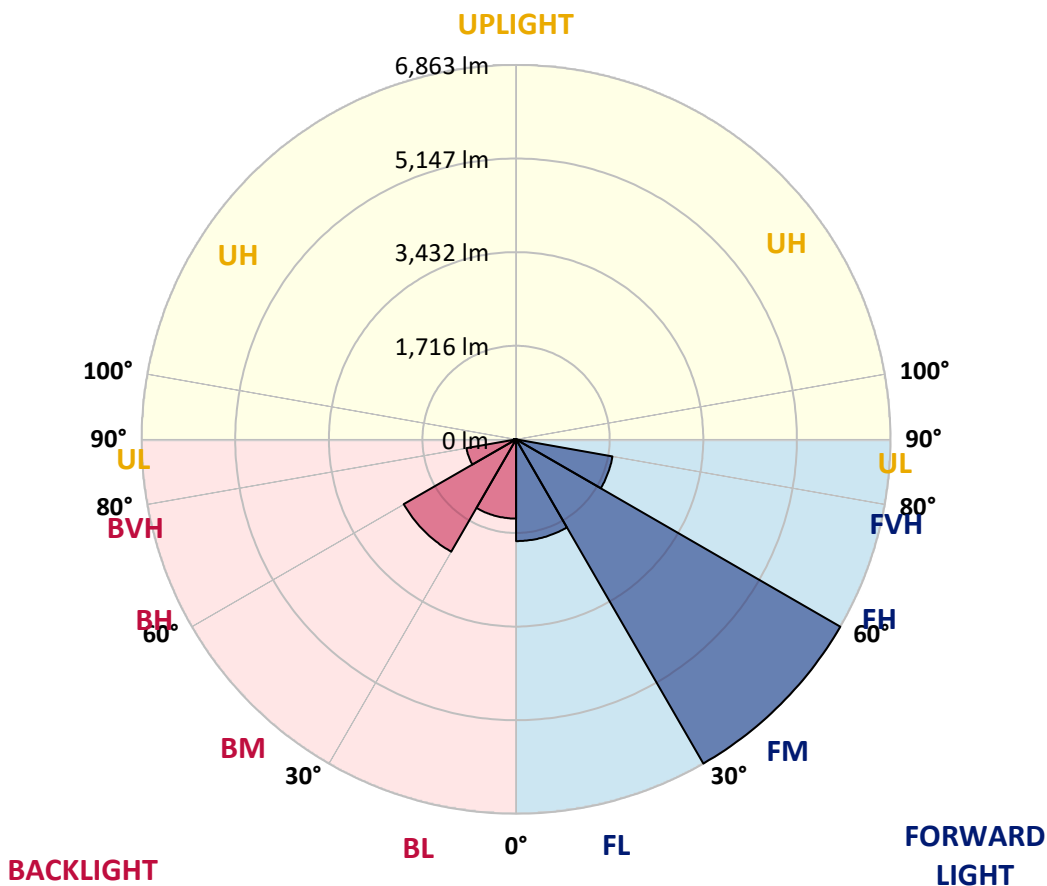
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1865.0	12.2			
FM (30°-60°)	6863.1	44.7			
FH (60°-80°)	1794.2	11.7			G1/1800
FVH (80°-90°)	21.3	0.1			G1/100
BL (0°-30°)	1452.3	9.5	B3/2500		
BM (30°-60°)	2378.2	15.5	B2/2500		
BH (60°-80°)	923.4	6.0	B2/1000		G2/1000
BVH (80°-90°)	42.3	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





REPORT NUMBER: P636050

CATALOG NUMBER: GWS-SA3F-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3
2.5°	4616.9	4629.8	4632.4	4672.4	4675.0	4733.1	4771.8	4764.1	4804.1	4853.2	4891.9
5°	4396.1	4397.4	4410.3	4458.1	4483.9	4560.1	4624.6	4624.6	4702.1	4802.8	4889.3
7.5°	4214.1	4212.8	4224.4	4277.3	4319.9	4411.6	4499.4	4509.7	4618.2	4765.4	4906.1
10°	4044.9	4054.0	4066.9	4131.4	4185.7	4299.3	4403.9	4420.6	4557.5	4739.5	4929.3
12.5°	3936.5	3937.8	3957.2	4029.5	4099.2	4220.5	4330.3	4350.9	4508.4	4715.0	4946.1
15°	3866.8	3868.1	3888.7	3968.8	4050.1	4172.8	4285.1	4308.3	4480.0	4711.1	4978.4
17.5°	3835.8	3834.5	3853.9	3933.9	4023.0	4150.8	4270.9	4299.3	4493.0	4740.8	5035.2
20°	3835.8	3837.1	3847.4	3919.7	4010.1	4145.7	4285.1	4319.9	4543.3	4808.0	5123.0
22.5°	3890.0	3895.2	3900.3	3949.4	4020.4	4153.4	4322.5	4369.0	4651.8	4920.3	5237.9
25°	3995.9	3997.2	4002.3	4042.4	4074.6	4175.3	4384.5	4454.2	4820.9	5084.3	5382.5
27.5°	4137.9	4156.0	4161.1	4187.0	4187.0	4229.6	4481.3	4582.0	5049.4	5320.5	5567.1
30°	4336.7	4343.2	4352.2	4380.6	4349.6	4331.6	4623.3	4752.5	5314.1	5605.9	5789.2
32.5°	4511.0	4525.2	4574.3	4620.8	4565.3	4508.4	4832.5	4984.9	5568.4	5902.8	6025.5
35°	4659.5	4694.4	4788.6	4891.9	4853.2	4796.4	5110.1	5268.9	5777.6	6115.8	6234.6
37.5°	4839.0	4866.1	4995.2	5163.0	5197.9	5170.8	5448.3	5562.0	5917.0	6170.1	6348.2
40°	5021.0	5062.3	5228.9	5461.3	5594.2	5613.6	5760.8	5837.0	5964.8	6064.2	6326.3
42.5°	5206.9	5277.9	5506.4	5777.6	6013.8	6057.7	6024.2	6056.4	5949.3	5918.3	6224.3
45°	5434.1	5518.1	5776.3	6122.3	6433.4	6501.9	6282.4	6252.7	5946.7	5862.8	6161.0
47.5°	5702.7	5786.6	6033.2	6436.0	6833.7	6884.0	6547.1	6492.8	6037.1	5948.0	6246.2
50°	5940.2	5998.3	6219.1	6669.7	7206.8	7236.5	6838.8	6773.0	6261.7	6184.3	6512.2
52.5°	5698.8	5692.4	5924.8	6479.9	7400.5	7758.1	7288.1	7224.9	6695.5	6576.7	6924.0
55°	4835.1	4761.5	4969.4	5515.5	6859.5	8221.6	8093.8	7967.2	7273.9	6971.8	7310.1
57.5°	3535.0	3514.3	3564.7	4077.2	5494.8	7503.7	8587.0	8575.3	7773.6	7333.3	7694.8
60°	2764.2	2733.2	2598.9	2613.1	3745.4	5861.5	7452.1	7794.2	8083.4	7550.2	7963.4
62.5°	2454.3	2431.1	2361.4	2169.0	2231.0	3930.0	5462.5	5776.3	7063.5	6668.4	6840.1
65°	2032.2	2025.7	2083.8	2076.1	1869.5	2170.3	3083.1	3399.4	4441.3	4496.8	4441.3
67.5°	1477.0	1465.4	1612.6	1903.0	1799.8	1638.4	1718.4	1828.2	2277.5	2045.1	1841.1
70°	960.6	943.8	1029.0	1375.0	1611.3	1427.9	1238.1	1220.1	1252.3	778.5	841.8
72.5°	644.2	624.9	623.6	756.6	973.5	961.9	959.3	950.2	848.2	614.6	681.7
75°	358.9	343.4	339.6	326.6	348.6	355.0	378.3	391.2	423.5	466.1	516.4
77.5°	60.7	59.4	74.9	95.5	131.7	169.1	209.2	220.8	272.4	322.8	355.0
80°	33.6	34.9	45.2	55.5	73.6	100.7	129.1	136.9	167.8	195.0	220.8
82.5°	18.1	18.1	23.2	29.7	40.0	52.9	69.7	76.2	96.8	113.6	131.7
85°	6.5	6.5	9.0	11.6	16.8	21.9	27.1	31.0	42.6	58.1	65.8
87.5°	0.0	0.0	0.0	0.0	1.3	2.6	5.2	5.2	6.5	11.6	16.8
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: P636050

CATALOG NUMBER: GWS-SA3F-722-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3	4898.3
2.5°	4924.2	4889.3	4937.1	4959.0	4966.8	4971.9	4938.4	4915.1	4907.4	4882.9	4868.7
5°	4942.2	4919.0	4964.2	4964.2	4931.9	4898.3	4829.9	4782.2	4748.6	4708.6	4702.1
7.5°	4973.2	4956.4	4981.0	4930.6	4849.3	4758.9	4640.1	4547.2	4472.3	4423.2	4424.5
10°	5014.5	4993.9	4974.5	4862.2	4713.7	4547.2	4365.1	4229.6	4105.6	4048.8	4017.8
12.5°	5041.7	5012.0	4930.6	4744.7	4526.5	4303.2	4046.2	3844.8	3665.4	3584.0	3577.6
15°	5075.2	5021.0	4858.3	4592.4	4289.0	3984.3	3653.7	3373.6	3130.9	3004.3	2997.9
17.5°	5119.1	5030.0	4771.8	4418.1	4038.5	3589.2	3173.5	2821.0	2562.8	2464.7	2481.5
20°	5181.1	5040.4	4673.7	4224.4	3727.3	3139.9	2622.2	2298.1	2198.7	2192.2	2179.3
22.5°	5250.8	5046.8	4565.3	4007.5	3350.3	2660.9	2166.4	2028.3	2027.0	2059.3	2067.0
25°	5329.6	5052.0	4442.6	3754.5	2942.4	2183.2	1916.0	1874.6	1906.9	1967.6	1975.3
27.5°	5430.3	5062.3	4294.1	3476.9	2508.6	1886.3	1777.8	1767.5	1806.2	1863.0	1860.4
30°	5578.7	5099.8	4136.6	3158.0	2063.1	1745.5	1693.9	1695.2	1710.7	1737.8	1741.7
32.5°	5729.8	5157.9	3983.0	2799.1	1807.5	1665.5	1642.3	1639.7	1639.7	1651.3	1653.9
35°	5873.1	5223.7	3816.4	2424.6	1683.6	1619.0	1603.5	1595.8	1591.9	1589.3	1585.4
37.5°	5953.2	5256.0	3653.7	2055.4	1617.7	1588.0	1572.5	1562.2	1548.0	1537.7	1535.1
40°	5918.3	5218.5	3465.3	1779.1	1577.7	1558.3	1540.3	1526.1	1506.7	1497.7	1492.5
42.5°	5802.1	5102.3	3260.0	1648.7	1545.4	1526.1	1504.1	1480.9	1468.0	1460.2	1458.9
45°	5679.5	4961.6	3012.1	1572.5	1514.4	1491.2	1465.4	1439.6	1425.3	1421.5	1420.2
47.5°	5675.6	4891.9	2748.7	1511.9	1477.0	1453.8	1421.5	1395.7	1380.2	1375.0	1369.8
50°	5846.0	4962.9	2451.8	1458.9	1438.3	1413.7	1377.6	1349.2	1329.8	1323.4	1322.1
52.5°	6199.8	5230.2	2185.8	1406.0	1386.6	1358.2	1328.5	1300.1	1276.9	1265.3	1264.0
55°	6581.9	5569.7	2020.5	1351.8	1325.9	1301.4	1274.3	1243.3	1217.5	1199.4	1196.8
57.5°	6977.0	5940.2	1970.2	1283.3	1264.0	1247.2	1214.9	1181.3	1151.6	1134.9	1131.0
60°	7302.3	6259.1	2064.4	1211.0	1200.7	1178.8	1149.1	1116.8	1096.1	1083.2	1080.6
62.5°	6113.3	5095.9	1666.8	1132.3	1132.3	1109.0	1075.5	1052.2	1038.0	1029.0	1026.4
65°	3879.7	3155.4	1137.4	1053.5	1052.2	1021.2	992.8	977.3	970.9	956.7	954.1
67.5°	1690.0	1442.1	972.2	973.5	968.3	934.7	906.3	894.7	881.8	866.3	865.0
70°	876.6	893.4	870.2	884.4	875.4	835.3	808.2	790.1	763.0	747.5	748.8
72.5°	707.5	725.6	751.4	773.4	754.0	721.7	679.1	657.2	622.3	605.5	606.8
75°	539.7	559.0	583.6	606.8	591.3	551.3	524.2	502.2	462.2	442.8	446.7
77.5°	371.8	382.2	411.9	410.6	405.4	393.8	353.8	327.9	286.6	263.4	266.0
80°	231.1	237.6	251.8	258.2	255.6	240.1	207.9	188.5	164.0	149.8	151.1
82.5°	139.4	143.3	156.2	157.5	156.2	144.6	120.1	105.9	90.4	82.6	82.6
85°	71.0	73.6	81.3	81.3	73.6	62.0	55.5	49.1	40.0	36.2	36.2
87.5°	19.4	19.4	24.5	20.7	16.8	15.5	7.7	6.5	2.6	1.3	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)