

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: P642603

Luminaire Tested: GWS-SA6D-730-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642603
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-35)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-730-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31327.8 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

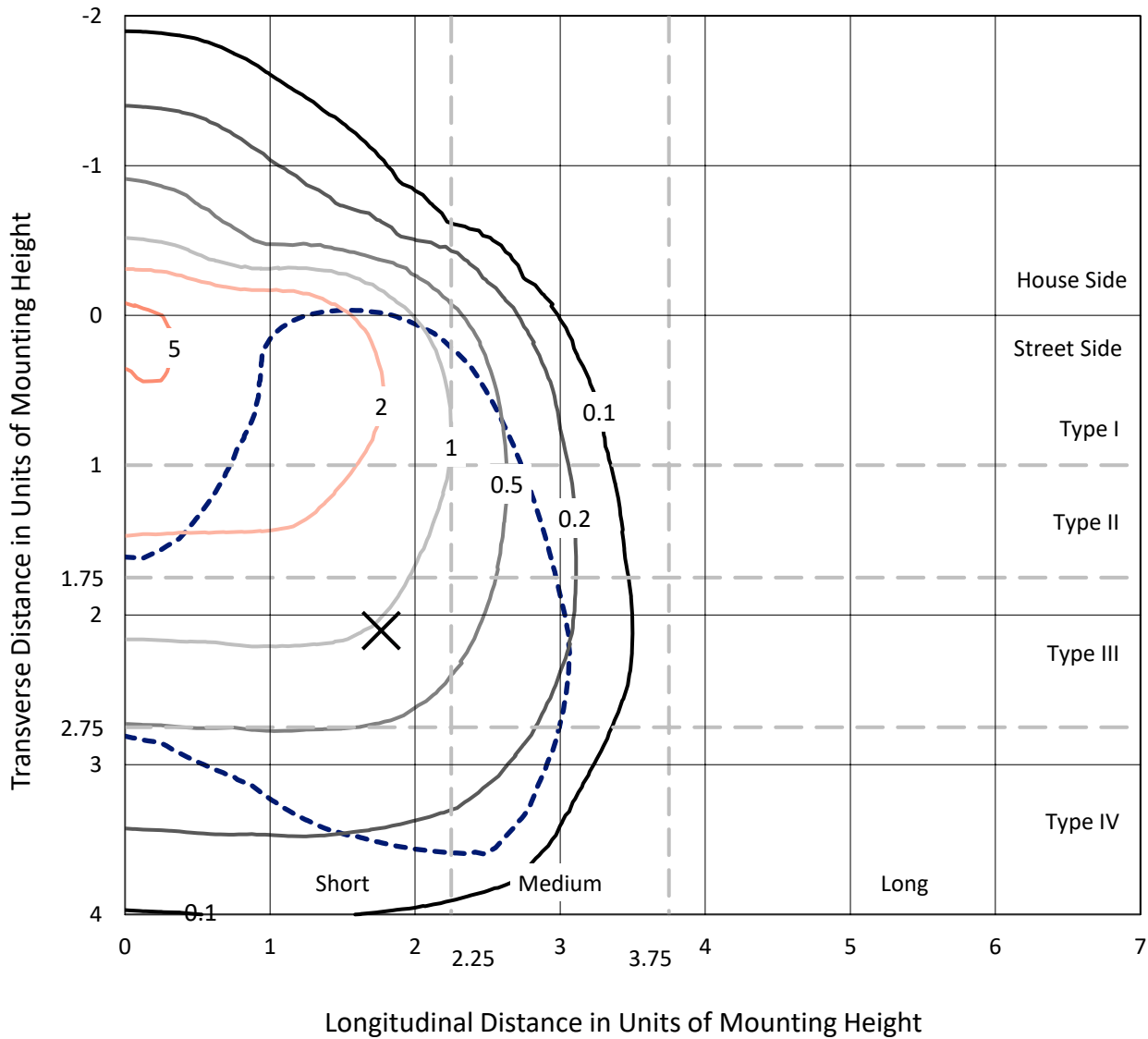
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642603
 CATALOG NUMBER: GWS-SA6D-730-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

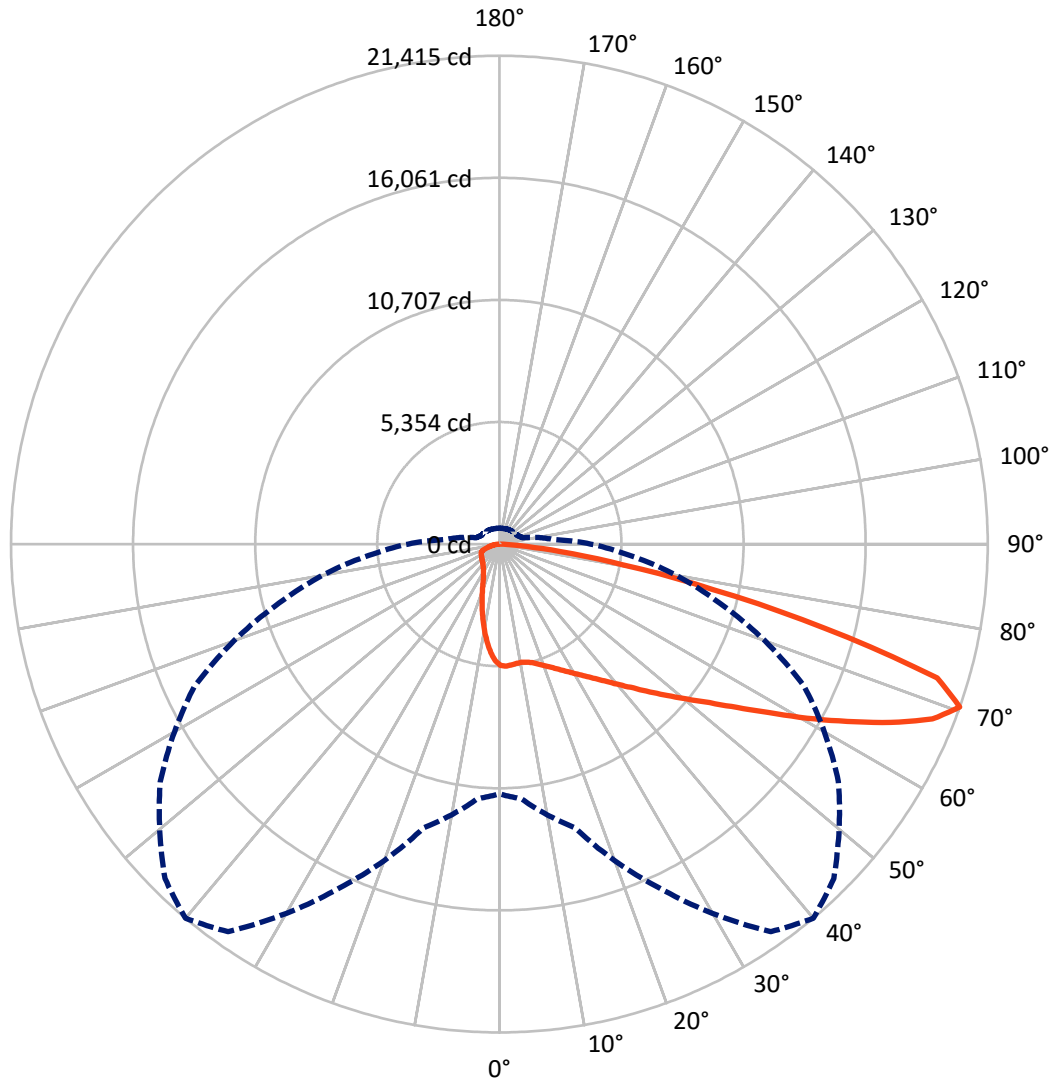
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P642603
CATALOG NUMBER: GWS-SA6D-730-U-SL4-W

Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P642603

CATALOG NUMBER: GWS-SA6D-730-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4825.3	0.0	4825.3
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	26502.5	0.0	26502.5
	% Fixture	84.6	0.0	84.6
Total	Lumens	31327.8	0.0	31327.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.0	1.5
10°-20°	1225.0	3.9
20°-30°	1923.5	6.1
30°-40°	2892.0	9.2
40°-50°	4463.8	14.2
50°-60°	6629.2	21.2
60°-70°	8356.0	26.7
70°-80°	4832.2	15.4
80°-90°	536.3	1.7
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°	31327.8	100.0
0°-180°	31327.8	100.0

Coefficient of Utilization



REPORT NUMBER: P642603

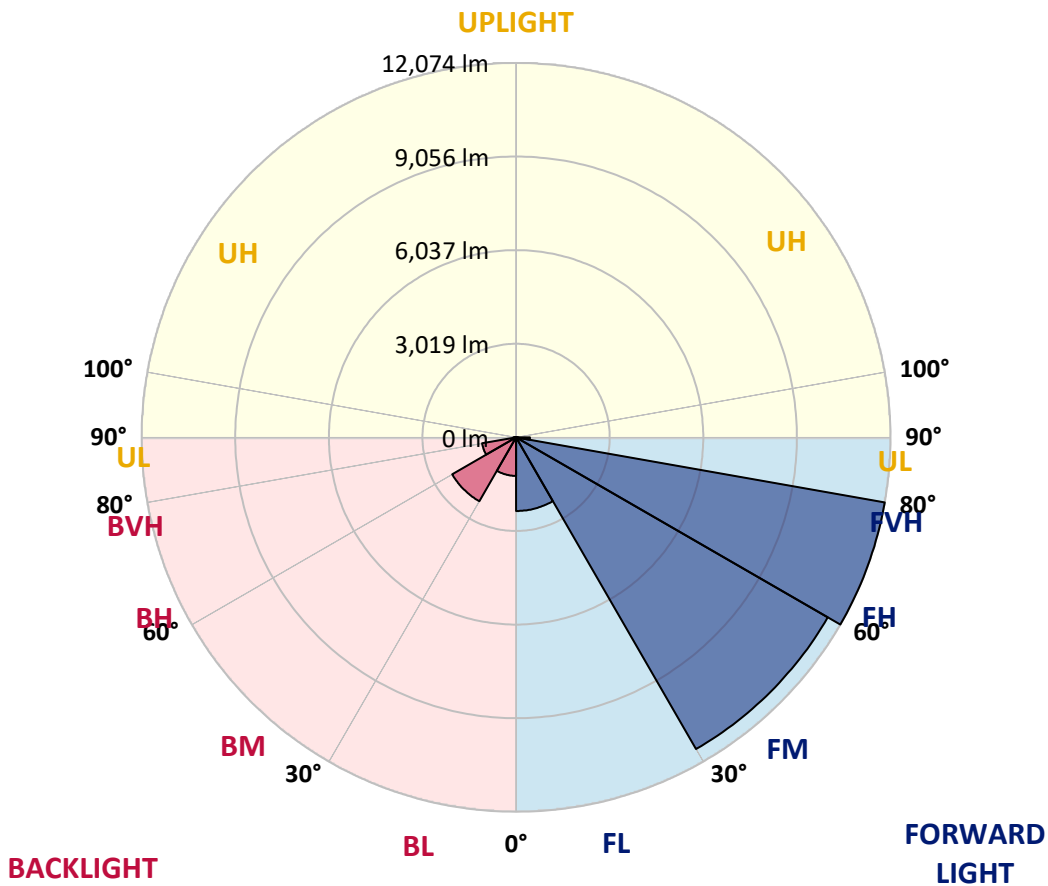
CATALOG NUMBER: GWS-SA6D-730-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2374.9	7.6			
FM (30°-60°)	11606.5	37.0			
FH (60°-80°)	12074.5	38.5			G5
FVH (80°-90°)	446.6	1.4			G3/500
BL (0°-30°)	1243.5	4.0	B3/2500		
BM (30°-60°)	2378.4	7.6	B2/2500		
BH (60°-80°)	1113.7	3.6	B3/2500		G3/2500
BVH (80°-90°)	89.6	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-G5

Type IV Short





REPORT NUMBER: P642603
 CATALOG NUMBER: GWS-SA6D-730-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8
2.5°	5352.6	5361.9	5368.9	5378.3	5373.6	5359.6	5371.3	5371.3	5345.5	5317.5	5291.8
5°	5359.6	5371.3	5368.9	5366.6	5347.9	5324.5	5324.5	5310.5	5266.0	5221.6	5179.5
7.5°	5345.5	5343.2	5340.9	5333.8	5312.8	5287.1	5282.4	5254.3	5195.9	5135.1	5074.3
10°	5282.4	5280.1	5287.1	5303.5	5298.8	5275.4	5275.4	5249.7	5181.9	5107.0	5027.5
12.5°	5231.0	5231.0	5259.0	5303.5	5319.8	5310.5	5312.8	5294.1	5216.9	5128.1	5034.5
15°	5238.0	5240.3	5301.1	5373.6	5404.0	5397.0	5399.3	5378.3	5291.8	5202.9	5076.6
17.5°	5284.7	5296.4	5401.7	5502.2	5542.0	5532.6	5516.2	5481.2	5383.0	5282.4	5128.1
20°	5383.0	5401.7	5537.3	5663.6	5710.3	5689.3	5661.2	5591.1	5483.5	5373.6	5184.2
22.5°	5577.0	5588.7	5738.4	5862.3	5899.7	5874.0	5817.9	5717.3	5593.4	5478.8	5252.0
25°	5850.6	5864.7	6007.3	6121.9	6112.5	6082.1	6005.0	5881.0	5733.7	5612.1	5350.2
27.5°	6175.7	6199.1	6339.4	6430.6	6369.8	6325.3	6238.8	6089.1	5923.1	5813.2	5499.9
30°	6531.1	6540.5	6659.7	6750.9	6657.4	6596.6	6491.3	6330.0	6180.3	6098.5	5724.4
32.5°	6874.8	6884.2	6987.1	7038.5	6940.3	6895.9	6804.7	6634.0	6528.8	6484.3	6058.7
35°	7237.3	7235.0	7319.1	7363.6	7263.0	7244.3	7150.8	7019.8	7001.1	7059.6	6547.5
37.5°	7599.7	7578.7	7623.1	7681.6	7625.5	7644.2	7583.4	7538.9	7611.4	7763.4	7197.5
40°	7889.7	7889.7	7936.5	8009.0	8027.7	8109.5	8074.4	8132.9	8366.7	8729.2	8001.9
42.5°	8146.9	8149.3	8247.5	8359.7	8495.3	8621.6	8649.7	8801.7	9285.7	9853.9	9012.1
45°	8415.8	8418.2	8551.5	8715.2	9002.8	9243.6	9299.7	9641.2	10333.3	11025.5	10108.8
47.5°	8726.8	8701.1	8885.9	9159.4	9568.7	9914.7	10059.7	10543.8	11418.3	12269.5	11142.4
50°	9077.6	9023.8	9229.6	9701.9	10207.0	10681.7	10924.9	11479.1	12582.8	13417.6	12115.2
52.5°	9472.8	9442.4	9657.5	10232.8	11004.4	11551.6	11881.3	12608.6	13714.6	14561.1	12886.8
55°	9963.8	9891.4	10202.4	10934.3	11939.8	12636.6	13027.1	13726.3	14951.6	15599.3	13476.1
57.5°	10501.7	10422.2	10838.4	11811.2	13155.7	13920.4	14409.1	14984.4	16116.1	16394.4	13822.2
60°	11081.6	11055.9	11549.3	12840.1	14605.5	15494.1	15847.2	16368.7	17128.7	16855.1	13735.7
62.5°	11612.4	11603.1	12320.9	13955.5	16141.9	17119.3	17399.9	17537.9	17858.2	16824.7	13048.2
65°	12171.3	12250.8	13221.2	15248.6	17902.7	18861.4	18978.3	18627.6	18103.8	16027.3	11640.5
67.5°	12241.4	12395.8	13787.1	16459.9	19572.3	20477.2	20383.7	19041.4	17378.9	13808.1	9124.4
70°	10948.3	11217.2	12884.5	16644.6	20748.5	21414.9	20739.1	18150.5	14748.2	10003.6	5738.4
72.5°	9147.8	9379.3	10852.4	14194.0	19230.9	20079.7	19165.4	15363.2	10422.2	5738.4	2923.0
75°	7120.4	7389.3	8747.9	11282.7	14397.4	14736.5	14278.2	10714.5	5729.0	2366.4	1328.2
77.5°	4344.7	4538.8	5595.7	7644.2	10073.8	9566.3	8107.2	6007.3	2513.8	1134.1	820.8
80°	1922.2	2041.4	2757.0	4106.2	5820.2	5502.2	4337.7	2565.2	1375.0	720.2	572.9
82.5°	1031.2	1108.4	1358.6	1625.2	2555.9	2672.8	2167.7	1477.9	738.9	411.6	327.4
85°	453.6	498.1	617.3	589.3	839.5	825.4	832.5	1014.9	353.1	189.4	212.8
87.5°	0.0	0.0	0.0	0.0	2.3	2.3	25.7	135.6	35.1	56.1	49.1
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: P642603
 CATALOG NUMBER: GWS-SA6D-730-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8	5319.8
2.5°	5263.7	5221.6	5209.9	5195.9	5170.2	5125.7	5093.0	5055.6	5039.2	5020.5	5022.8
5°	5132.7	5081.3	5032.2	4969.1	4889.6	4800.7	4739.9	4669.7	4632.3	4597.3	4606.6
7.5°	5020.5	4941.0	4840.5	4707.2	4564.5	4405.5	4276.9	4176.4	4108.5	4061.8	4085.2
10°	4950.4	4856.8	4681.4	4464.0	4223.1	3979.9	3795.2	3622.2	3514.6	3430.4	3425.7
12.5°	4936.3	4814.7	4559.8	4244.2	3895.7	3570.7	3299.5	3065.6	2923.0	2817.8	2857.5
15°	4950.4	4796.0	4454.6	4040.7	3601.1	3161.5	2824.8	2555.9	2385.1	2289.3	2282.3
17.5°	4966.7	4777.3	4335.4	3820.9	3292.4	2789.7	2399.2	2113.9	1938.5	1842.6	1845.0
20°	4980.8	4749.3	4195.1	3580.1	2979.1	2443.6	2039.1	1767.8	1611.1	1541.0	1552.7
22.5°	5004.1	4721.2	4045.4	3322.8	2658.7	2109.2	1753.8	1534.0	1440.4	1393.7	1396.0
25°	5048.6	4704.8	3891.1	3042.2	2343.1	1842.6	1557.4	1410.0	1351.6	1323.5	1321.2
27.5°	5139.8	4718.9	3729.7	2771.0	2057.8	1639.2	1431.1	1335.2	1295.5	1276.8	1274.4
30°	5291.8	4775.0	3589.4	2495.1	1812.2	1480.2	1344.6	1286.1	1262.7	1246.4	1244.0
32.5°	5523.3	4880.2	3437.4	2237.8	1613.5	1363.3	1276.8	1246.4	1230.0	1220.6	1220.6
35°	5874.0	5072.0	3287.8	2013.3	1459.2	1272.1	1223.0	1211.3	1197.3	1192.6	1197.3
37.5°	6379.1	5378.3	3152.1	1816.9	1349.2	1201.9	1164.5	1169.2	1157.5	1164.5	1171.5
40°	7019.8	5787.5	3037.6	1655.6	1267.4	1150.5	1113.1	1129.4	1122.4	1129.4	1141.1
42.5°	7831.2	6294.9	2951.0	1529.3	1208.9	1108.4	1073.3	1089.7	1085.0	1094.4	1106.1
45°	8736.2	6963.7	2911.3	1440.4	1166.9	1078.0	1040.6	1052.3	1047.6	1054.6	1066.3
47.5°	9603.7	7571.7	2946.4	1389.0	1131.8	1052.3	1012.5	1017.2	1014.9	1012.5	1019.5
50°	10352.0	8055.7	3046.9	1372.6	1108.4	1026.5	989.1	991.5	984.5	970.4	975.1
52.5°	10962.3	8443.9	3107.7	1372.6	1096.7	998.5	963.4	965.8	951.7	933.0	935.4
55°	11364.5	8600.6	3058.6	1370.3	1092.0	975.1	937.7	940.0	926.0	902.6	905.0
57.5°	11479.1	8448.6	2852.8	1344.6	1087.3	956.4	912.0	916.6	907.3	881.6	881.6
60°	11158.8	7892.0	2476.3	1286.1	1075.7	944.7	893.3	900.3	895.6	869.9	869.9
62.5°	10319.3	6902.9	2027.4	1197.3	1042.9	930.7	876.9	890.9	902.6	888.6	886.2
65°	8747.9	5530.3	1648.6	1099.0	1000.8	907.3	853.5	888.6	914.3	933.0	933.0
67.5°	6563.8	3958.9	1344.6	996.2	937.7	860.5	823.1	855.8	874.6	886.2	893.3
70°	4001.0	2329.0	1059.3	876.9	846.5	790.4	762.3	729.6	703.9	699.2	701.5
72.5°	1957.2	1332.9	860.5	745.9	722.6	671.1	608.0	593.9	582.3	575.2	572.9
75°	1078.0	928.3	710.9	619.7	577.6	514.4	500.4	477.0	472.4	463.0	465.3
77.5°	762.3	731.9	586.9	502.8	439.6	406.9	413.9	397.5	397.5	390.5	388.2
80°	572.9	575.2	451.3	367.1	325.0	313.3	320.4	320.4	315.7	313.3	311.0
82.5°	362.4	409.2	304.0	236.2	231.5	233.8	231.5	229.2	233.8	226.8	224.5
85°	250.2	294.6	184.7	140.3	140.3	138.0	142.6	140.3	145.0	138.0	138.0
87.5°	56.1	130.9	67.8	42.1	44.4	42.1	44.4	46.8	51.4	53.8	53.8
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)