

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: P635355

Luminaire Tested: GWS-SA3D-750-U-T2-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635355  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-T2-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13484.1 lumens  
Efficiency: N/A  
Efficacy: 111.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

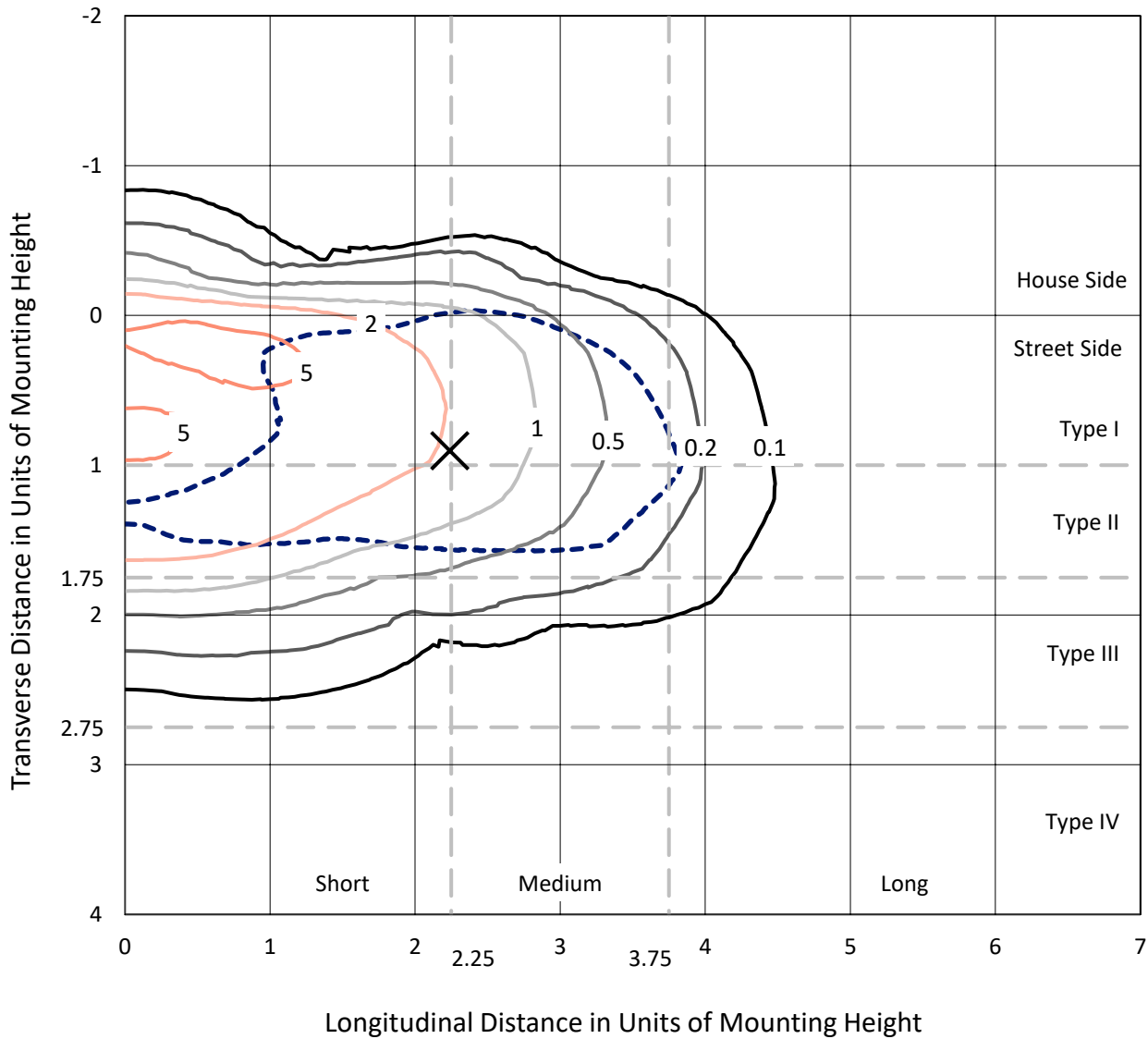
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

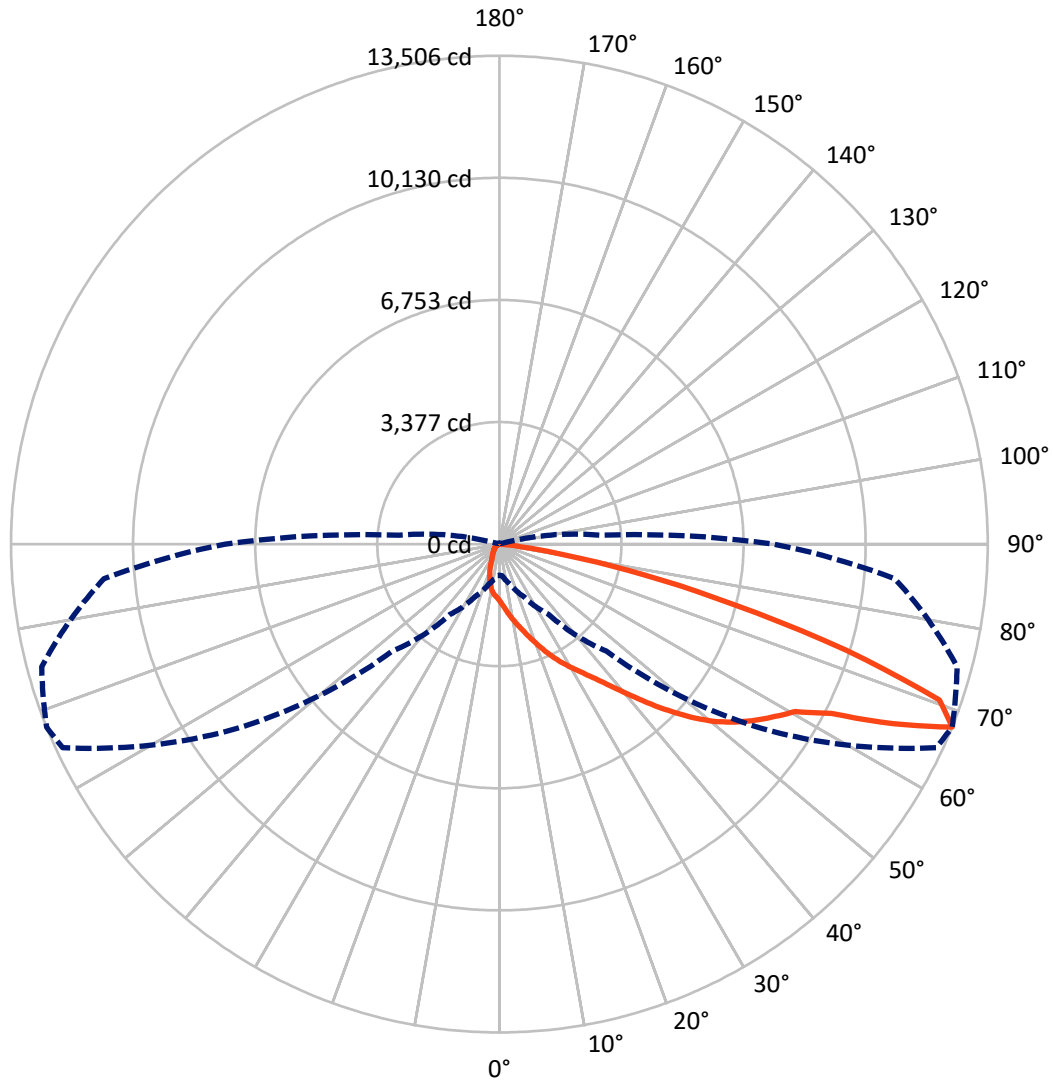
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	973.7	0.0	973.7
	% Fixture	7.2	0.0	7.2
<b>Street Side</b>	Lumens	12510.4	0.0	12510.4
	% Fixture	92.8	0.0	92.8
<b>Total</b>	Lumens	13484.1	0.0	13484.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	153.0	1.1
10°-20°	439.5	3.3
20°-30°	755.3	5.6
30°-40°	1313.1	9.7
40°-50°	2291.3	17.0
50°-60°	3455.9	25.6
60°-70°	3465.4	25.7
70°-80°	1528.9	11.3
80°-90°	81.7	0.6
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°	13484.1	100.0
0°-180°	13484.1	100.0

**Coefficient of Utilization**



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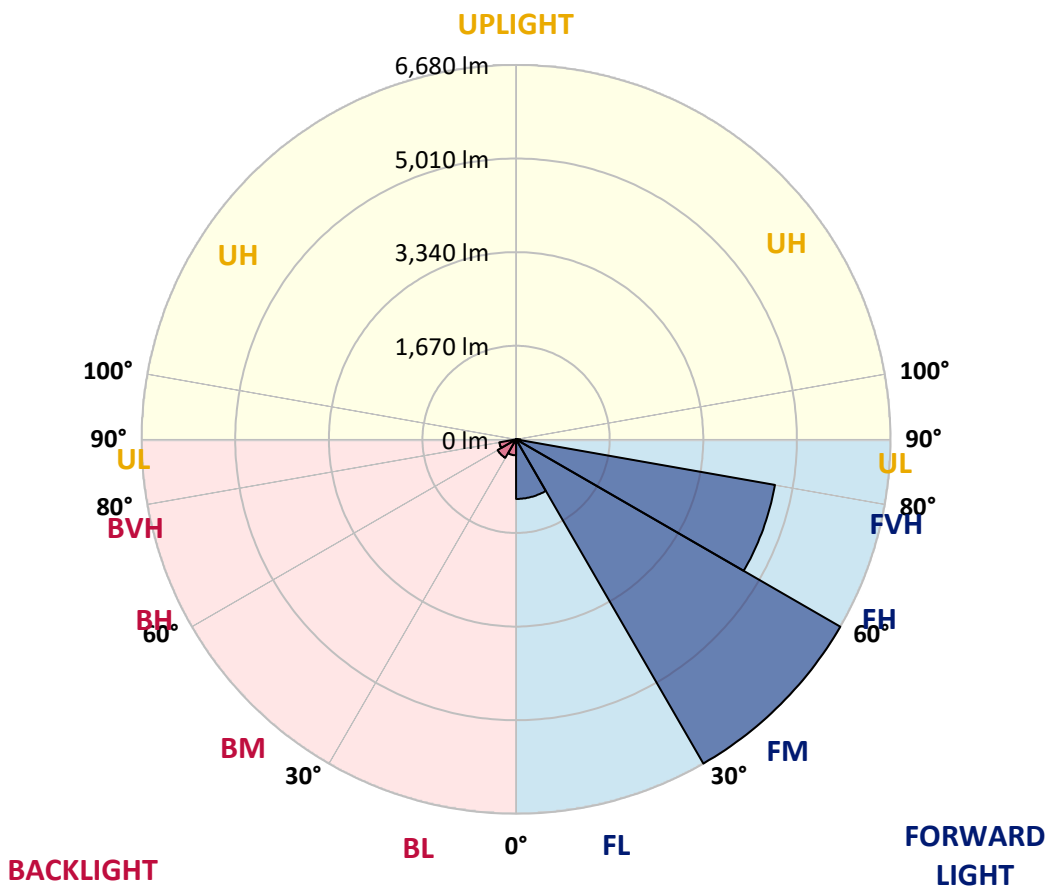
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1063.0	7.9			
FM (30°-60°)	6680.0	49.5			
FH (60°-80°)	4690.4	34.8			G2/5000
FVH (80°-90°)	77.1	0.6			G1/100
BL (0°-30°)	284.9	2.1	B1/500		
BM (30°-60°)	380.3	2.8	B1/1000		
BH (60°-80°)	303.9	2.3	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2
2.5°	1827.3	1838.9	1827.3	1829.9	1796.3	1780.8	1747.3	1700.8	1689.2	1659.5	1614.4
5°	2050.6	2060.9	2049.3	2046.7	2008.0	1979.6	1924.1	1844.1	1820.8	1762.8	1673.7
7.5°	2171.9	2178.3	2182.2	2188.6	2174.4	2151.2	2100.9	2001.5	1977.0	1882.8	1757.6
10°	2184.8	2189.9	2209.3	2248.0	2276.4	2290.6	2262.2	2170.6	2131.8	2040.2	1860.9
12.5°	2148.6	2156.4	2187.3	2251.9	2330.6	2402.8	2420.9	2340.9	2306.1	2188.6	1982.2
15°	2100.9	2107.3	2149.9	2237.7	2356.4	2489.3	2564.2	2529.3	2490.6	2368.0	2116.4
17.5°	2027.3	2036.4	2095.7	2214.4	2368.0	2557.7	2719.0	2730.6	2703.5	2570.6	2264.8
20°	1986.0	1992.5	2045.4	2168.0	2360.3	2608.0	2863.5	2973.2	2943.6	2804.2	2435.1
22.5°	2020.9	2026.0	2060.9	2156.4	2334.5	2636.4	2997.8	3215.8	3199.1	3054.5	2614.5
25°	2204.1	2220.9	2200.2	2217.0	2346.1	2651.9	3106.2	3458.4	3462.3	3316.5	2800.3
27.5°	2575.8	2553.8	2504.8	2420.9	2436.4	2693.2	3199.1	3686.9	3720.4	3572.0	2965.5
30°	2953.9	2941.0	2911.3	2781.0	2672.6	2784.8	3277.8	3920.4	3973.3	3823.7	3112.6
32.5°	3378.4	3391.3	3338.4	3182.3	2997.8	2970.7	3359.1	4142.4	4241.8	4108.8	3285.5
35°	3885.6	3889.5	3784.9	3612.0	3403.0	3277.8	3504.9	4387.6	4570.8	4472.8	3516.5
37.5°	4379.8	4403.1	4346.3	4074.0	3888.2	3659.8	3746.2	4702.5	4960.6	4921.8	3806.9
40°	4817.3	4853.4	4835.4	4572.1	4328.2	4135.9	4120.5	5071.5	5431.6	5475.4	4190.1
42.5°	5165.7	5189.0	5203.2	5016.0	4800.5	4692.1	4582.4	5500.0	5987.8	6167.1	4659.9
45°	5533.5	5541.3	5570.9	5444.5	5256.1	5265.1	5128.3	6020.0	6573.6	6933.7	5199.3
47.5°	6002.0	6027.8	6013.6	5880.7	5710.3	5812.3	5692.2	6555.6	7151.8	7751.8	5751.6
50°	6572.3	6599.4	6586.5	6431.7	6242.0	6284.6	6209.7	7075.6	7709.2	8523.5	6211.0
52.5°	6866.6	6888.5	7048.5	7118.2	7018.8	6747.8	6651.1	7647.3	8180.3	9158.4	6633.0
55°	6724.6	6740.1	7088.5	7382.8	7746.7	7475.7	7095.0	8088.6	8595.8	9654.0	6946.6
57.5°	6136.2	6220.0	6693.6	7191.8	7957.0	8194.5	7815.1	8568.7	8995.8	9998.5	7255.0
60°	4929.6	4925.7	5604.5	6498.8	7546.6	8391.9	8831.9	9217.8	9397.2	10263.1	7667.9
62.5°	2724.2	2748.7	3652.0	4830.2	6405.9	7880.9	9594.6	10339.2	10312.1	10725.1	8314.5
65°	1356.3	1405.3	1895.7	2766.8	4262.4	6513.0	9726.2	12050.4	11972.9	11812.9	9650.1
67.5°	860.7	880.1	1151.1	1607.9	2369.3	4186.3	8906.8	13326.6	13506.0	13103.4	10975.4
70°	557.5	589.7	800.1	1099.5	1429.8	2157.7	6524.6	12499.5	12911.1	12961.4	10149.5
72.5°	303.3	326.5	511.0	784.6	1032.4	1078.8	3664.9	9380.4	10042.4	10994.8	7940.2
75°	172.9	189.7	280.0	533.0	757.5	656.8	1624.7	6279.4	6701.4	7857.6	5689.7
77.5°	104.5	118.7	157.4	259.4	474.9	438.8	614.3	3822.4	4090.8	4688.3	2986.1
80°	47.7	56.8	99.4	143.2	259.4	207.8	234.9	1782.1	1840.2	1924.1	988.5
82.5°	21.9	25.8	45.2	85.2	147.1	120.0	90.3	411.7	579.4	548.4	251.6
85°	2.6	2.6	16.8	34.8	41.3	31.0	37.4	92.9	117.4	165.2	72.3
87.5°	0.0	0.0	1.3	1.3	2.6	3.9	7.7	11.6	16.8	27.1	18.1
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°	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2	1569.2
2.5°	1593.7	1557.6	1525.3	1477.6	1445.3	1409.2	1384.7	1355.0	1343.4	1334.3	1321.4
5°	1629.9	1571.8	1493.1	1405.3	1333.1	1264.7	1201.4	1160.1	1124.0	1118.8	1100.8
7.5°	1689.2	1602.8	1469.8	1326.6	1204.0	1090.4	1001.4	929.1	893.0	881.4	860.7
10°	1767.9	1649.2	1435.0	1215.6	1038.8	903.3	802.7	721.4	664.6	643.9	628.5
12.5°	1855.7	1691.8	1379.5	1078.8	877.5	722.7	594.9	508.4	472.3	459.4	447.8
15°	1956.3	1731.8	1291.8	942.0	720.1	531.7	441.3	403.9	388.4	384.6	380.7
17.5°	2053.1	1757.6	1187.2	800.1	553.6	412.9	370.4	356.2	352.3	348.4	345.8
20°	2162.8	1775.7	1064.6	665.9	429.7	349.7	329.1	318.7	311.0	303.3	302.0
22.5°	2275.1	1775.7	931.7	534.3	360.0	313.6	290.4	271.0	256.8	249.1	246.5
25°	2382.2	1751.2	800.1	427.1	317.5	278.7	249.1	227.1	207.8	198.7	196.2
27.5°	2458.3	1687.9	685.2	361.3	287.8	247.8	211.6	187.1	171.6	162.6	161.3
30°	2506.1	1593.7	579.4	322.6	262.0	215.5	179.4	158.7	147.1	140.7	138.1
32.5°	2542.2	1477.6	485.2	295.5	237.4	187.1	156.1	139.4	129.0	123.9	122.6
35°	2614.5	1367.9	415.5	271.0	211.6	163.9	136.8	123.9	116.1	109.7	108.4
37.5°	2715.1	1276.3	360.0	249.1	187.1	145.8	123.9	112.3	105.8	99.4	98.1
40°	2863.5	1218.2	318.7	227.1	165.2	131.6	113.6	103.2	94.2	87.8	86.5
42.5°	3092.0	1191.1	291.6	205.2	145.8	118.7	104.5	91.6	82.6	76.1	74.8
45°	3364.2	1205.3	268.4	183.2	132.9	109.7	92.9	80.0	71.0	64.5	63.2
47.5°	3655.9	1255.6	249.1	162.6	120.0	100.7	82.6	68.4	60.7	54.2	52.9
50°	3960.4	1338.2	232.3	143.2	109.7	90.3	71.0	59.4	51.6	46.5	45.2
52.5°	4225.0	1450.5	215.5	129.0	100.7	80.0	61.9	51.6	43.9	38.7	37.4
55°	4477.9	1556.3	202.6	116.1	90.3	69.7	54.2	43.9	37.4	32.3	31.0
57.5°	4752.8	1668.6	187.1	104.5	81.3	61.9	47.7	37.4	32.3	27.1	25.8
60°	5152.8	1835.0	163.9	95.5	71.0	54.2	41.3	33.6	28.4	21.9	20.6
62.5°	5729.7	2138.3	138.1	82.6	60.7	46.5	34.8	28.4	23.2	18.1	15.5
65°	6808.5	2654.5	113.6	68.4	49.0	38.7	29.7	23.2	18.1	12.9	11.6
67.5°	7585.4	2788.7	91.6	55.5	40.0	29.7	24.5	18.1	12.9	9.0	7.7
70°	6631.7	2002.8	71.0	45.2	33.6	23.2	19.4	14.2	9.0	6.5	5.2
72.5°	4996.7	1308.5	52.9	34.8	25.8	19.4	14.2	11.6	7.7	5.2	3.9
75°	3521.7	756.2	38.7	25.8	18.1	14.2	11.6	9.0	6.5	3.9	3.9
77.5°	1805.4	312.3	27.1	18.1	12.9	9.0	7.7	5.2	5.2	3.9	2.6
80°	548.4	103.2	15.5	11.6	9.0	6.5	3.9	3.9	3.9	2.6	1.3
82.5°	125.2	33.6	9.0	9.0	6.5	5.2	3.9	1.3	1.3	0.0	0.0
85°	32.3	10.3	7.7	6.5	6.5	5.2	2.6	1.3	0.0	0.0	0.0
87.5°	11.6	6.5	6.5	6.5	5.2	3.9	2.6	0.0	0.0	0.0	0.0
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)