

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: P635361

Luminaire Tested: GWS-SA3D-750-U-T3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635361  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-T3-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

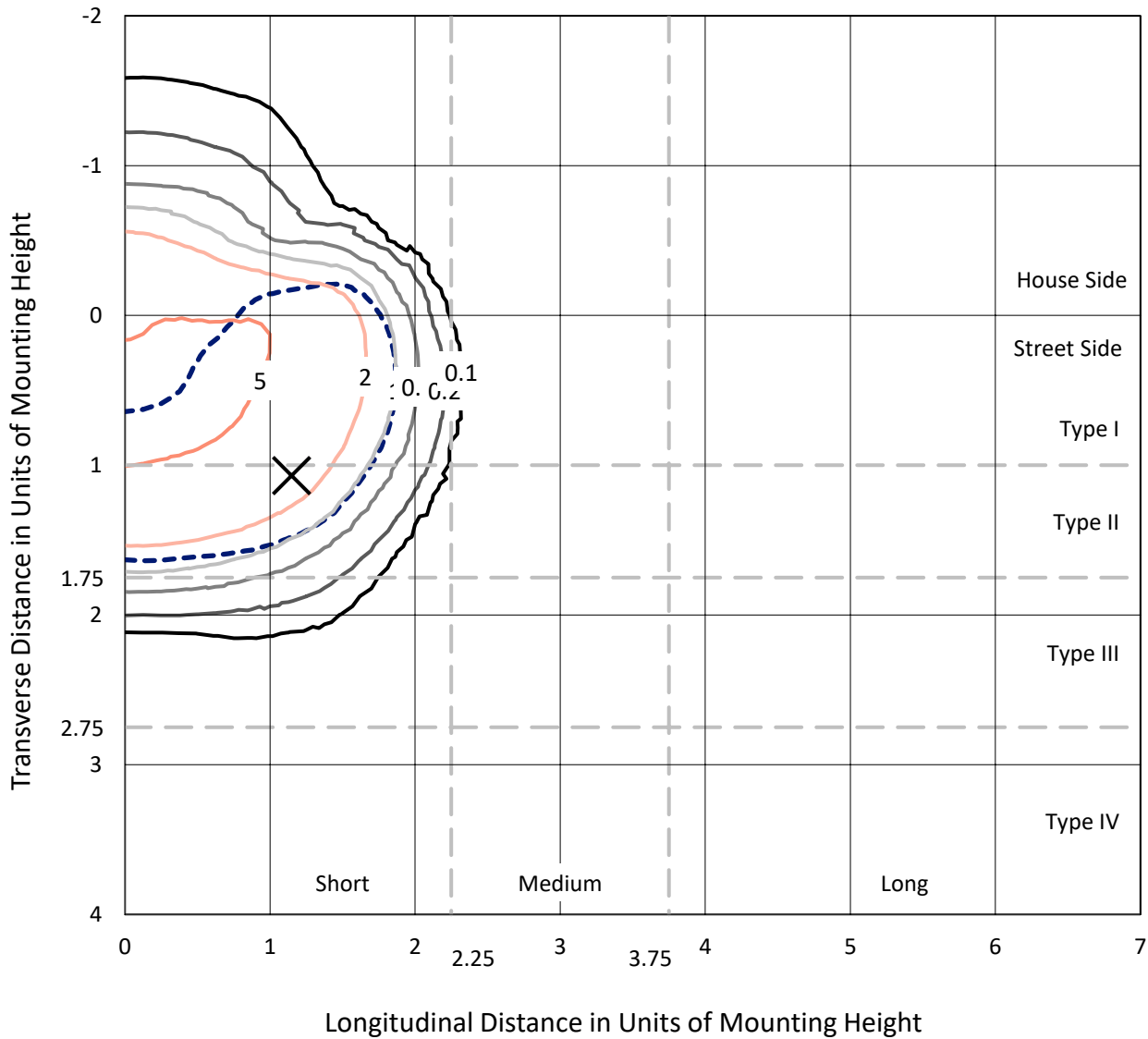
Lumens per Lamp: N/A  
Luminaire Lumens: 11116.1 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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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 CATALOG NUMBER: GWS-SA3D-750-U-T3-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

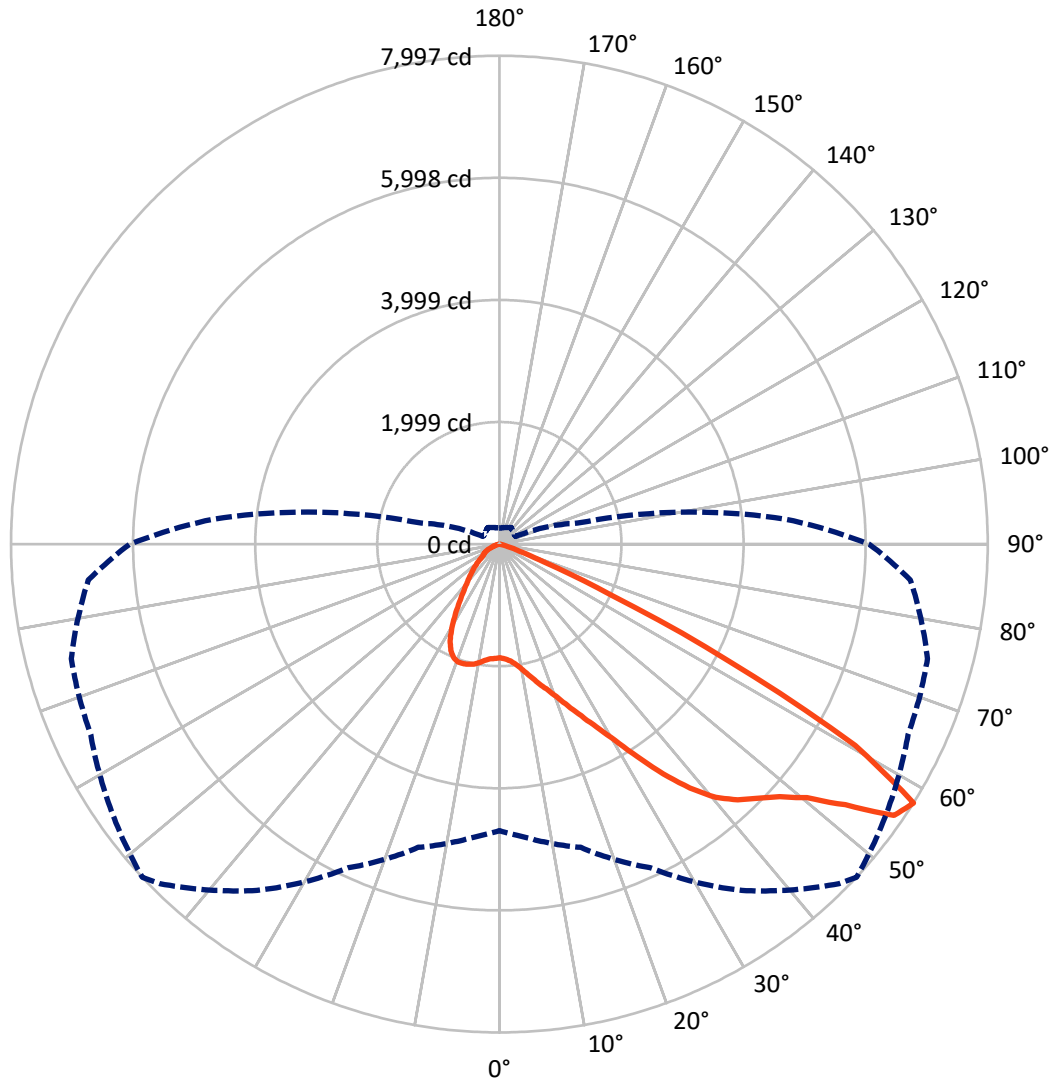
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.6 fc  
 Type II - Short - N/A

REPORT NUMBER: P635361  
CATALOG NUMBER: GWS-SA3D-750-U-T3-W-GRSBK

### Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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 CATALOG NUMBER: GWS-SA3D-750-U-T3-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2411.6	0.0	2411.6
	% Fixture	21.7	0.0	21.7
<b>Street Side</b>	Lumens	8704.5	0.0	8704.5
	% Fixture	78.3	0.0	78.3
<b>Total</b>	Lumens	11116.1	0.0	11116.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	185.1	1.7
10°-20°	624.7	5.6
20°-30°	1159.9	10.4
30°-40°	1856.8	16.7
40°-50°	2714.1	24.4
50°-60°	3349.7	30.1
60°-70°	1119.3	10.1
70°-80°	104.3	0.9
80°-90°	2.2	0.0
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°	11116.1	100.0
0°-180°	11116.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P635361

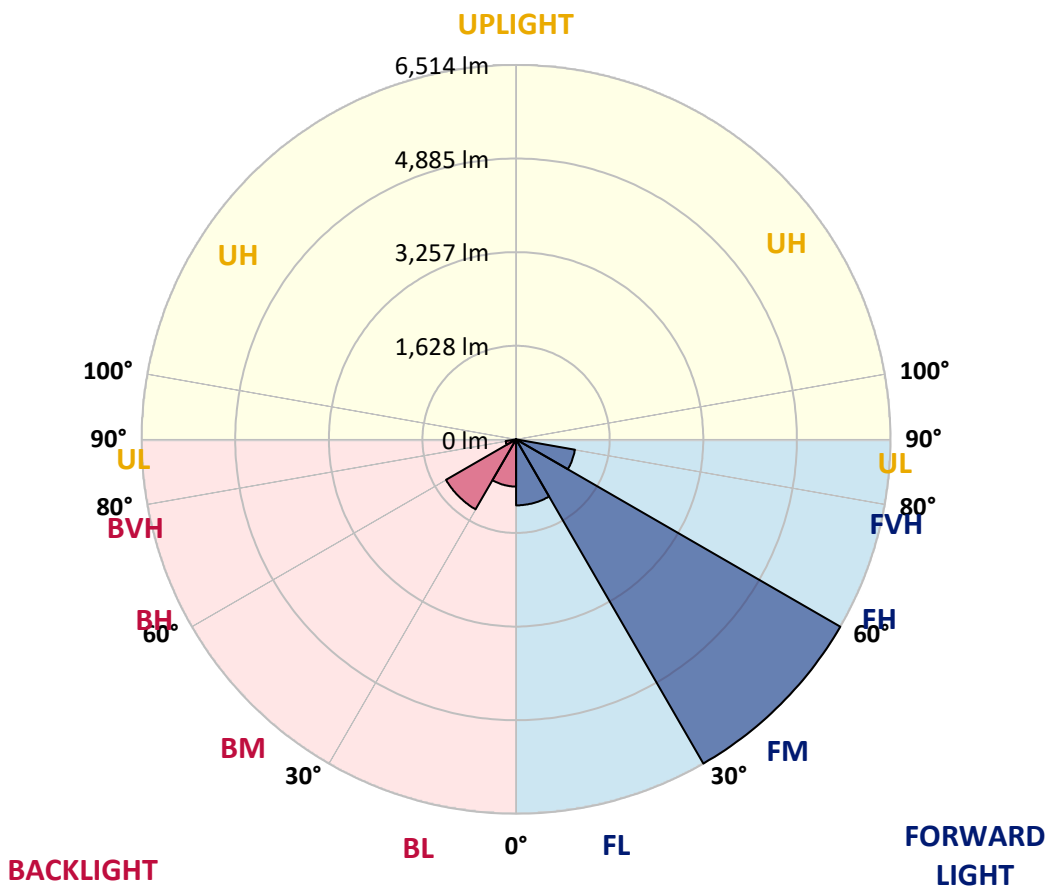
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1148.8	10.3			
FM (30°-60°)	6513.9	58.6			
FH (60°-80°)	1040.2	9.4			G1/1800
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	820.9	7.4	B2/1000		
BM (30°-60°)	1406.7	12.7	B2/2500		
BH (60°-80°)	183.4	1.6	B1/500		G1/500
BVH (80°-90°)	0.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





REPORT NUMBER: P635361

CATALOG NUMBER: GWS-SA3D-750-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8
2.5°	1880.2	1878.9	1877.6	1885.4	1882.8	1881.5	1884.1	1884.1	1884.1	1876.3	1860.8
5°	1925.4	1925.4	1924.1	1931.8	1925.4	1921.5	1922.8	1922.8	1917.6	1903.4	1884.1
7.5°	1996.3	1993.8	1991.2	1998.9	1992.5	1991.2	1993.8	1986.0	1977.0	1953.8	1926.7
10°	2098.3	2098.3	2094.4	2102.2	2097.0	2094.4	2094.4	2089.3	2072.5	2036.4	1996.3
12.5°	2239.0	2232.5	2223.5	2217.0	2214.4	2213.1	2214.4	2206.7	2188.6	2142.2	2086.7
15°	2392.5	2387.4	2373.2	2362.8	2348.6	2346.1	2353.8	2347.4	2329.3	2266.1	2187.3
17.5°	2586.1	2592.5	2556.4	2534.5	2493.2	2490.6	2493.2	2503.5	2490.6	2409.3	2294.4
20°	2751.3	2756.4	2729.3	2713.8	2676.4	2659.6	2664.8	2681.6	2667.4	2571.9	2411.9
22.5°	2928.1	2934.5	2906.1	2873.9	2857.1	2857.1	2876.4	2899.7	2880.3	2755.1	2546.1
25°	3139.7	3144.9	3121.6	3079.0	3049.4	3086.8	3115.2	3177.1	3144.9	2974.5	2704.8
27.5°	3382.3	3383.6	3350.0	3306.2	3290.7	3360.4	3388.8	3484.2	3471.3	3221.0	2872.6
30°	3641.7	3643.0	3635.2	3605.6	3591.4	3683.0	3721.7	3859.8	3850.7	3526.8	3101.0
32.5°	3911.4	3911.4	3925.6	3923.0	3939.8	4089.5	4151.4	4308.9	4299.8	3901.1	3384.9
35°	4182.4	4183.7	4208.2	4270.1	4339.8	4538.6	4619.9	4810.8	4790.2	4348.9	3747.5
37.5°	4490.8	4477.9	4511.5	4604.4	4759.2	4988.9	5066.4	5248.3	5225.1	4807.0	4221.1
40°	4862.5	4839.2	4839.2	4947.6	5123.1	5387.7	5453.5	5543.8	5465.1	5177.3	4685.7
42.5°	5272.8	5250.9	5222.5	5318.0	5465.1	5671.6	5725.8	5701.3	5636.7	5527.1	5214.8
45°	5688.4	5654.8	5674.2	5732.2	5817.4	5915.5	5936.1	5822.6	5792.9	5823.9	5652.2
47.5°	6004.5	5981.3	6029.0	6110.3	6180.0	6194.2	6180.0	6022.6	6020.0	6129.7	5955.5
50°	6110.3	6112.9	6244.5	6422.6	6534.9	6546.5	6527.2	6346.5	6322.0	6354.2	6119.4
52.5°	6120.7	6131.0	6323.3	6662.7	6968.5	7107.9	7092.4	6897.5	6657.5	6622.7	6367.1
55°	5871.6	5932.3	6200.7	6696.2	7346.6	7791.8	7843.4	7470.5	7114.3	7084.6	6900.1
57.5°	4693.4	4817.3	5141.2	5847.1	6924.6	7862.8	7997.0	7728.6	7384.0	7257.6	6756.9
60°	2805.5	2959.0	3270.0	4135.9	5270.2	6462.6	6693.6	6731.1	6572.3	6207.1	5183.8
62.5°	1204.0	1191.1	1574.4	2237.7	3134.5	4107.5	4212.1	4374.7	4512.7	4130.8	3146.1
65°	412.9	449.1	624.6	1009.1	1569.2	1907.3	2000.2	2146.0	2342.2	1933.1	1152.4
67.5°	255.5	271.0	360.0	596.2	846.5	833.6	792.3	769.1	748.5	512.3	316.2
70°	185.8	198.7	252.9	410.4	569.1	400.0	347.1	281.3	312.3	287.8	224.5
72.5°	125.2	135.5	174.2	249.1	291.6	194.9	180.7	205.2	247.8	236.2	183.2
75°	74.8	81.3	99.4	121.3	118.7	100.7	101.9	144.5	189.7	176.8	130.3
77.5°	51.6	54.2	65.8	78.7	58.1	31.0	28.4	40.0	64.5	64.5	43.9
80°	12.9	16.8	16.8	10.3	9.0	7.7	7.7	11.6	18.1	12.9	6.5
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6	2.6
85°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
87.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
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: P635361

CATALOG NUMBER: GWS-SA3D-750-U-T3-W-GRSBK

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8	1860.8
2.5°	1869.9	1854.4	1864.7	1862.1	1869.9	1872.5	1860.8	1858.3	1859.6	1844.1	1838.9
5°	1887.9	1869.9	1875.0	1869.9	1878.9	1886.7	1882.8	1887.9	1894.4	1882.8	1877.6
7.5°	1926.7	1908.6	1907.3	1899.6	1912.5	1917.6	1916.3	1930.5	1943.4	1935.7	1928.0
10°	1993.8	1969.2	1966.7	1960.2	1964.1	1968.0	1953.8	1956.3	1968.0	1958.9	1955.1
12.5°	2076.4	2046.7	2040.2	2024.7	2024.7	2005.4	1974.4	1968.0	1977.0	1970.5	1964.1
15°	2165.4	2125.4	2115.1	2088.0	2062.2	2026.0	1993.8	1986.0	1992.5	1984.7	1979.6
17.5°	2264.8	2219.6	2186.0	2138.3	2081.5	2038.9	2002.8	1986.0	1975.7	1960.2	1958.9
20°	2362.8	2303.5	2246.7	2170.6	2095.7	2031.2	1971.8	1928.0	1890.5	1867.3	1858.3
22.5°	2476.4	2388.6	2297.0	2189.9	2082.8	1984.7	1880.2	1805.4	1740.8	1718.9	1708.6
25°	2597.7	2484.1	2347.4	2208.0	2038.9	1881.5	1739.5	1628.6	1543.4	1515.0	1503.4
27.5°	2731.9	2575.8	2399.0	2204.1	1948.6	1734.4	1546.0	1407.9	1324.0	1298.2	1307.2
30°	2902.3	2694.5	2463.5	2164.1	1813.1	1527.9	1307.2	1191.1	1127.9	1103.3	1104.6
32.5°	3129.4	2864.8	2557.7	2078.9	1638.9	1293.0	1099.5	1014.3	971.7	939.5	936.9
35°	3454.6	3124.2	2645.4	1942.1	1427.3	1084.0	943.3	876.2	816.9	779.4	785.9
37.5°	3844.3	3450.7	2693.2	1757.6	1189.8	921.4	825.9	757.5	690.4	634.9	641.4
40°	4306.3	3877.8	2689.3	1515.0	973.0	810.4	727.8	647.8	563.9	513.6	518.8
42.5°	4821.2	4281.8	2605.4	1258.2	806.5	720.1	633.6	533.0	451.7	420.7	422.0
45°	5267.7	4609.5	2458.3	992.4	678.8	632.3	535.5	432.3	396.2	374.2	372.9
47.5°	5598.0	4849.6	2248.0	780.7	575.5	552.3	440.0	387.1	358.7	340.7	338.1
50°	5782.6	4933.4	2015.7	611.7	486.5	468.4	393.6	351.0	331.6	320.0	317.5
52.5°	6030.3	5034.1	1849.2	482.6	407.8	383.3	362.6	326.5	313.6	304.5	300.7
55°	6422.6	5229.0	1704.7	383.3	339.4	334.2	342.0	312.3	304.5	290.4	285.2
57.5°	6053.6	4697.3	1324.0	296.8	286.5	305.8	330.4	298.1	278.7	265.8	260.7
60°	4259.8	3122.9	665.9	238.7	255.5	286.5	311.0	269.7	250.3	252.9	250.3
62.5°	2348.6	1562.8	299.4	200.0	222.0	252.9	265.8	233.6	220.7	242.6	246.5
65°	767.8	531.7	172.9	154.9	175.5	206.5	229.7	222.0	219.4	245.2	252.9
67.5°	236.2	175.5	117.4	111.0	121.3	152.3	193.6	240.0	258.1	265.8	269.7
70°	176.8	138.1	100.7	94.2	99.4	116.1	163.9	200.0	188.4	189.7	187.1
72.5°	142.0	109.7	86.5	82.6	82.6	80.0	86.5	108.4	122.6	129.0	129.0
75°	99.4	77.4	65.8	60.7	47.7	38.7	34.8	34.8	31.0	29.7	28.4
77.5°	33.6	28.4	25.8	20.6	14.2	11.6	10.3	9.0	6.5	3.9	2.6
80°	5.2	3.9	2.6	2.6	2.6	1.3	1.3	1.3	0.0	0.0	0.0
82.5°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
85°	2.6	2.6	2.6	2.6	2.6	1.3	1.3	0.0	0.0	0.0	0.0
87.5°	2.6	2.6	2.6	2.6	1.3	1.3	1.3	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)