

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: P635254

Luminaire Tested: GWS-SA3D-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17368.8 lumens
Efficiency: N/A
Efficacy: 143.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

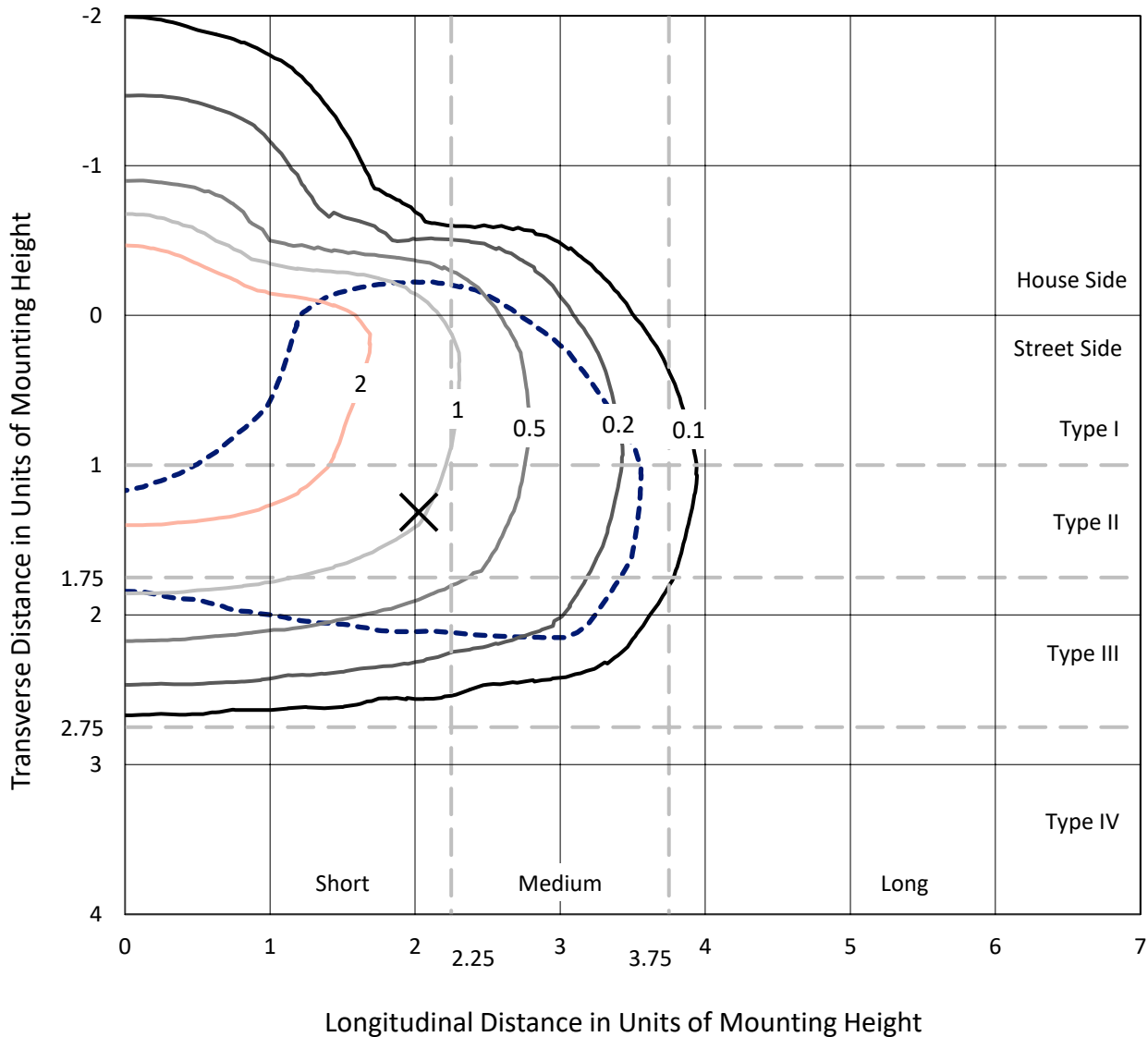
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635254
 CATALOG NUMBER: GWS-SA3D-735-U-T3-W

Iso-Footcandle Lines of Horizontal Illumination

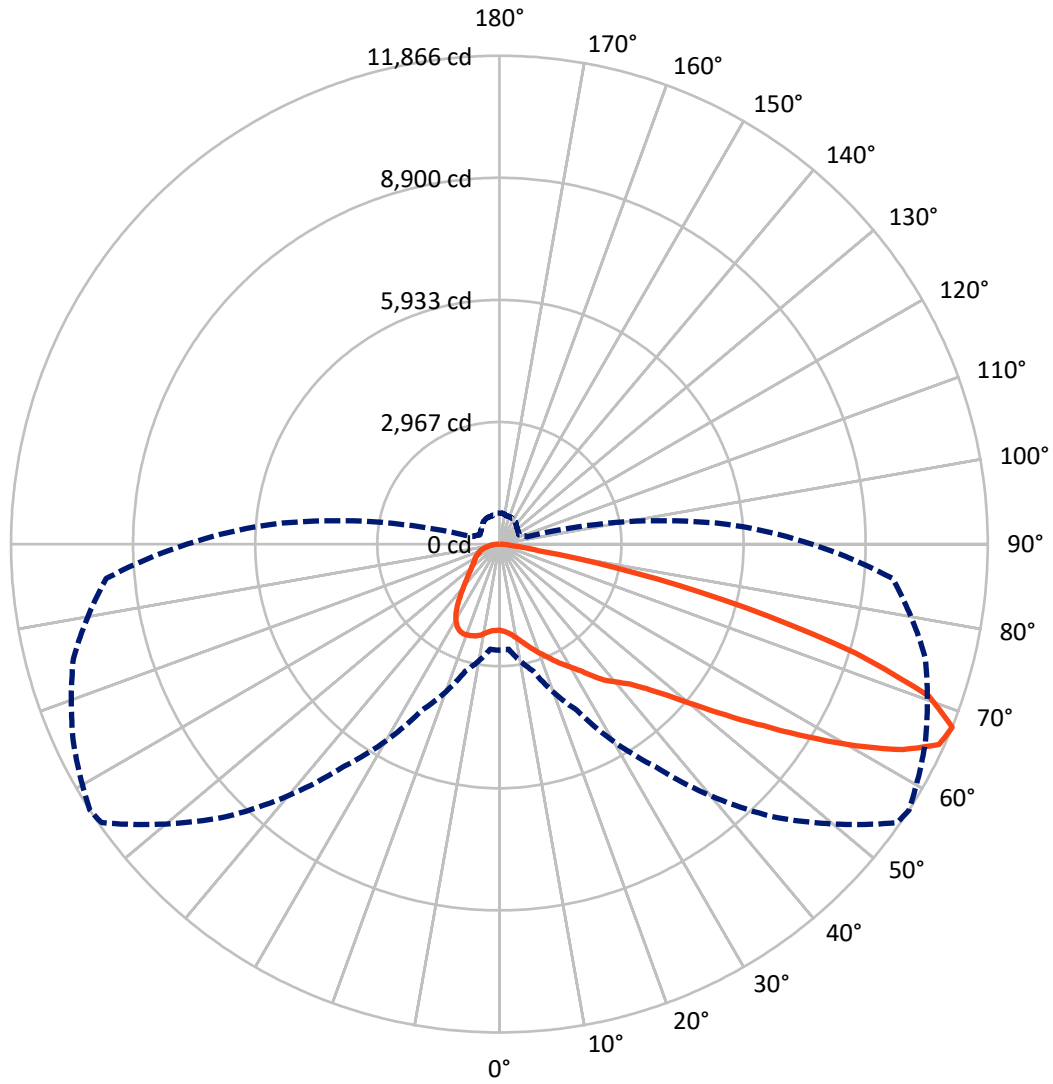
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type III - Short - N/A

REPORT NUMBER: P635254
CATALOG NUMBER: GWS-SA3D-735-U-T3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P635254

CATALOG NUMBER: GWS-SA3D-735-U-T3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3818.7	0.0	3818.7
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	13550.1	0.0	13550.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	17368.8	0.0	17368.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.6	1.2
10°-20°	687.1	4.0
20°-30°	1225.1	7.1
30°-40°	1781.1	10.3
40°-50°	2577.8	14.8
50°-60°	4034.2	23.2
60°-70°	4706.1	27.1
70°-80°	1964.5	11.3
80°-90°	185.4	1.1
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°	17368.8	100.0
0°-180°	17368.8	100.0

Coefficient of Utilization



REPORT NUMBER: P635254

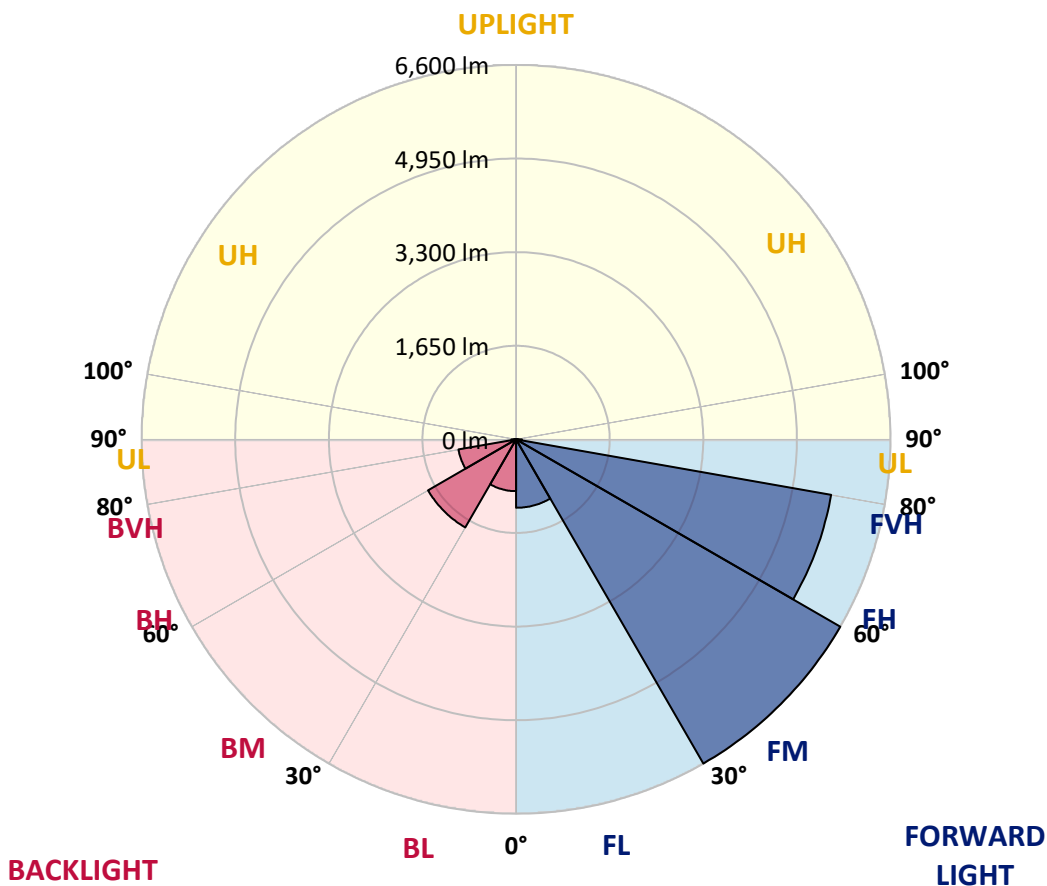
CATALOG NUMBER: GWS-SA3D-735-U-T3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1206.4	6.9			
FM (30°-60°)	6600.4	38.0			
FH (60°-80°)	5639.9	32.5			G3/7500
FVH (80°-90°)	103.3	0.6			G2/225
BL (0°-30°)	913.3	5.3	B2/1000		
BM (30°-60°)	1792.6	10.3	B2/2500		
BH (60°-80°)	1030.7	5.9	B3/2500		G3/2500
BVH (80°-90°)	82.1	0.5			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 III Short





REPORT NUMBER: P635254
 CATALOG NUMBER: GWS-SA3D-735-U-T3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8
2.5°	2122.7	2120.2	2119.0	2126.4	2123.9	2122.7	2122.7	2121.4	2119.0	2109.0	2095.3
5°	2181.2	2176.2	2171.2	2177.4	2172.5	2167.5	2166.2	2163.7	2155.0	2140.1	2119.0
7.5°	2242.1	2237.2	2238.4	2242.1	2238.4	2235.9	2232.2	2229.7	2216.0	2192.4	2163.7
10°	2328.0	2328.0	2330.5	2334.2	2335.5	2331.7	2324.3	2320.5	2304.3	2274.5	2234.7
12.5°	2452.4	2449.9	2449.9	2447.4	2451.2	2447.4	2440.0	2433.7	2413.8	2375.3	2318.0
15°	2616.6	2606.7	2598.0	2581.8	2576.8	2563.1	2565.6	2561.9	2543.2	2491.0	2418.8
17.5°	2792.1	2790.8	2777.2	2744.8	2712.5	2690.1	2695.0	2693.8	2683.8	2612.9	2520.8
20°	2946.4	2952.6	2940.2	2915.3	2871.7	2829.4	2826.9	2833.1	2820.7	2749.8	2621.6
22.5°	3119.3	3114.3	3101.9	3069.6	3037.2	2992.4	2977.5	2972.5	2967.5	2886.7	2724.9
25°	3283.6	3298.5	3282.3	3252.5	3202.7	3154.2	3141.7	3146.7	3133.0	3026.0	2835.6
27.5°	3491.4	3497.6	3487.6	3446.6	3404.3	3335.8	3312.2	3312.2	3307.2	3156.7	2922.7
30°	3712.8	3730.3	3712.8	3679.2	3635.7	3537.4	3486.4	3481.4	3466.5	3291.0	3024.8
32.5°	3935.6	3948.0	3935.6	3903.2	3853.4	3767.6	3694.2	3683.0	3663.1	3437.9	3129.3
35°	4133.4	4144.6	4142.1	4149.6	4108.5	4000.3	3955.5	3950.5	3898.2	3629.5	3271.1
37.5°	4349.9	4363.6	4344.9	4359.8	4343.7	4241.6	4227.9	4203.1	4128.4	3809.9	3420.4
40°	4596.2	4608.7	4578.8	4585.0	4566.4	4509.1	4439.5	4405.9	4295.1	4005.2	3655.6
42.5°	4860.0	4888.6	4902.3	4891.1	4847.6	4815.2	4693.3	4651.0	4558.9	4357.4	4042.6
45°	5242.0	5284.3	5304.2	5275.6	5256.9	5210.9	5061.6	5010.6	4962.1	4853.8	4582.6
47.5°	5653.9	5692.4	5755.9	5768.3	5783.3	5748.4	5538.1	5488.4	5497.1	5484.6	5247.0
50°	5982.3	6014.7	6157.8	6310.8	6437.7	6447.7	6178.9	6125.4	6172.7	6212.5	6047.0
52.5°	6221.2	6249.8	6439.0	6755.0	7042.4	7255.2	6965.3	6904.3	6942.9	7032.5	6956.6
55°	6415.3	6455.1	6653.0	7138.2	7719.3	8055.3	7869.9	7792.7	7776.5	7887.3	7930.8
57.5°	6517.4	6529.8	6807.3	7438.1	8215.8	8840.4	8921.2	8834.1	8679.9	8740.8	8967.3
60°	6284.7	6305.8	6685.3	7515.2	8607.7	9619.3	10024.9	9952.7	9624.2	9657.8	9907.9
62.5°	5641.4	5671.3	6127.9	7148.2	8640.0	10139.4	11043.9	10997.9	10557.4	10375.8	10450.4
65°	4525.3	4535.3	5008.1	6239.9	7996.8	10204.1	11754.4	11743.2	11209.4	10783.9	10464.1
67.5°	2580.6	2563.1	3195.2	4450.7	6599.5	9363.0	11800.4	11866.4	11420.9	10716.7	9593.1
70°	1118.6	1121.1	1412.2	2196.1	4271.5	7567.5	10960.6	11073.8	10808.8	9598.1	7632.2
72.5°	517.6	525.1	650.7	950.6	1824.1	4694.5	8937.4	9039.4	8811.8	7682.0	5553.1
75°	365.8	372.0	434.2	545.0	838.6	1829.0	5978.6	6192.6	6303.4	5745.9	3659.3
77.5°	277.5	286.2	317.3	378.3	517.6	648.3	2860.5	3370.7	4015.2	3574.7	1885.0
80°	176.7	176.7	210.3	252.6	316.0	337.2	826.2	979.2	1964.7	1473.2	740.3
82.5°	119.4	123.2	143.1	160.5	181.7	191.6	354.6	378.3	567.4	501.4	304.8
85°	63.5	65.9	74.7	73.4	87.1	75.9	149.3	148.1	207.8	227.7	115.7
87.5°	0.0	0.0	1.2	1.2	2.5	3.7	16.2	17.4	43.5	69.7	38.6
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: P635254
 CATALOG NUMBER: GWS-SA3D-735-U-T3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8	2092.8
2.5°	2102.8	2087.8	2095.3	2092.8	2100.3	2100.3	2086.6	2082.9	2084.1	2069.2	2064.2
5°	2121.4	2104.0	2107.8	2102.8	2110.2	2116.5	2110.2	2110.2	2117.7	2106.5	2100.3
7.5°	2163.7	2143.8	2143.8	2137.6	2146.3	2151.3	2146.3	2153.8	2167.5	2156.3	2150.1
10°	2230.9	2207.3	2208.5	2201.1	2204.8	2202.3	2182.4	2176.2	2179.9	2170.0	2165.0
12.5°	2318.0	2285.7	2285.7	2270.7	2262.0	2235.9	2194.9	2179.9	2182.4	2173.7	2170.0
15°	2401.4	2371.5	2365.3	2335.5	2295.6	2247.1	2209.8	2199.8	2202.3	2193.6	2187.4
17.5°	2499.7	2461.1	2438.7	2384.0	2310.6	2260.8	2223.5	2199.8	2179.9	2160.0	2155.0
20°	2590.5	2542.0	2500.9	2416.3	2326.7	2258.3	2188.6	2130.1	2081.6	2055.5	2049.3
22.5°	2683.8	2621.6	2549.5	2438.7	2325.5	2213.5	2085.4	1997.0	1924.8	1886.3	1893.7
25°	2772.2	2693.8	2595.5	2459.9	2285.7	2114.0	1939.8	1807.9	1725.8	1695.9	1687.2
27.5°	2845.6	2748.5	2637.8	2449.9	2203.6	1970.9	1740.7	1593.9	1514.2	1480.7	1471.9
30°	2927.7	2818.2	2698.8	2403.9	2074.2	1770.6	1515.5	1396.0	1338.8	1306.5	1307.7
32.5°	3022.3	2907.8	2784.6	2315.5	1908.7	1554.1	1330.1	1248.0	1201.9	1169.6	1164.6
35°	3149.2	3036.0	2841.9	2182.4	1698.4	1355.0	1203.2	1136.0	1078.8	1036.5	1027.7
37.5°	3306.0	3228.8	2848.1	2004.5	1473.2	1218.1	1112.4	1040.2	970.5	914.5	908.3
40°	3574.7	3486.4	2797.1	1781.8	1281.6	1129.8	1036.5	953.1	872.2	810.0	801.3
42.5°	3957.9	3776.3	2687.6	1530.4	1137.2	1060.1	964.3	858.5	776.4	732.9	726.6
45°	4445.7	4099.8	2523.3	1294.0	1030.2	991.7	888.4	777.7	734.1	703.0	696.8
47.5°	5042.9	4476.8	2334.2	1109.9	946.9	929.5	811.2	750.3	711.7	685.6	679.4
50°	5757.1	4957.1	2178.7	965.5	872.2	857.3	786.4	734.1	703.0	681.8	676.9
52.5°	6572.1	5490.9	2102.8	862.3	807.5	792.6	777.7	730.4	704.2	688.1	681.8
55°	7418.2	6053.3	2031.9	782.6	752.8	761.5	778.9	742.8	722.9	701.8	695.5
57.5°	8235.7	6580.8	1857.7	720.4	713.0	746.5	785.1	755.3	731.6	710.5	703.0
60°	8799.3	6869.5	1562.8	670.6	683.1	727.9	768.9	736.6	706.7	698.0	694.3
62.5°	8951.1	6834.6	1213.1	619.6	647.0	686.8	726.6	705.5	674.4	688.1	689.3
65°	8596.5	6461.4	910.8	569.9	599.7	633.3	683.1	674.4	663.2	700.5	701.8
67.5°	7592.4	5544.4	694.3	526.3	551.2	592.3	669.4	705.5	708.0	755.3	750.3
70°	5744.7	4142.1	543.7	485.3	513.9	592.3	713.0	729.1	699.3	742.8	732.9
72.5°	3971.6	2733.6	462.9	449.2	467.8	564.9	711.7	711.7	679.4	679.4	660.7
75°	2467.3	1607.6	403.1	403.1	403.1	494.0	691.8	655.7	598.5	572.4	557.4
77.5°	1218.1	781.4	338.4	350.9	337.2	413.1	564.9	536.3	501.4	474.1	464.1
80°	520.1	390.7	273.7	287.4	271.2	311.1	447.9	441.7	408.1	372.0	360.8
82.5°	238.9	201.6	219.0	225.2	197.8	233.9	327.2	327.2	308.6	258.8	240.1
85°	102.0	107.0	151.8	151.8	124.4	131.9	175.4	166.7	149.3	121.9	112.0
87.5°	34.8	52.3	77.1	67.2	26.1	11.2	6.2	2.5	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)