

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: P634903

Luminaire Tested: GWS-SA3C-760-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634903
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-SA3C-760-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13516.2 lumens
Efficiency: N/A
Efficacy: 145.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

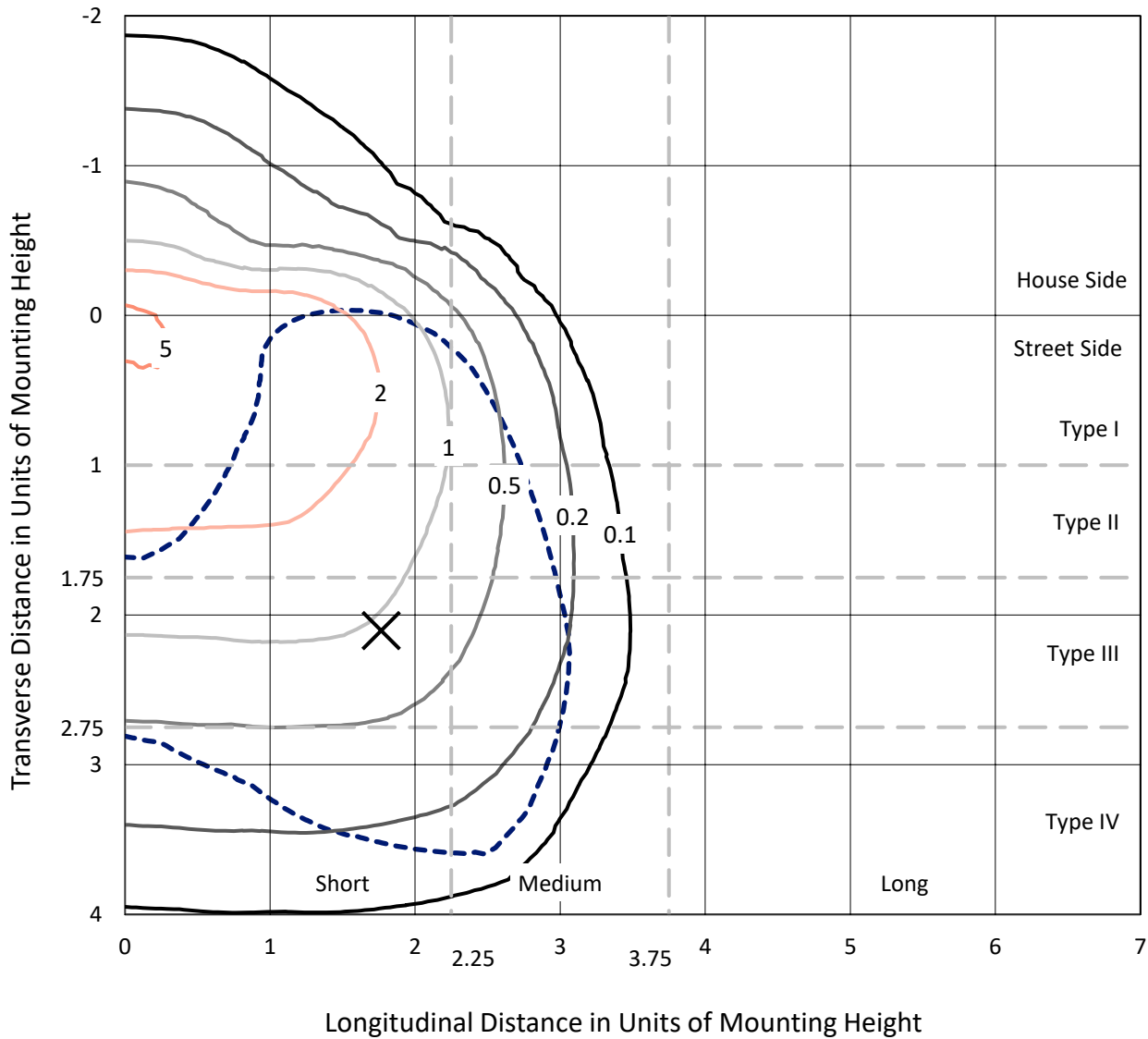
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634903
 CATALOG NUMBER: GWS-SA3C-760-U-SL4-W

Iso-Footcandle Lines of Horizontal Illumination

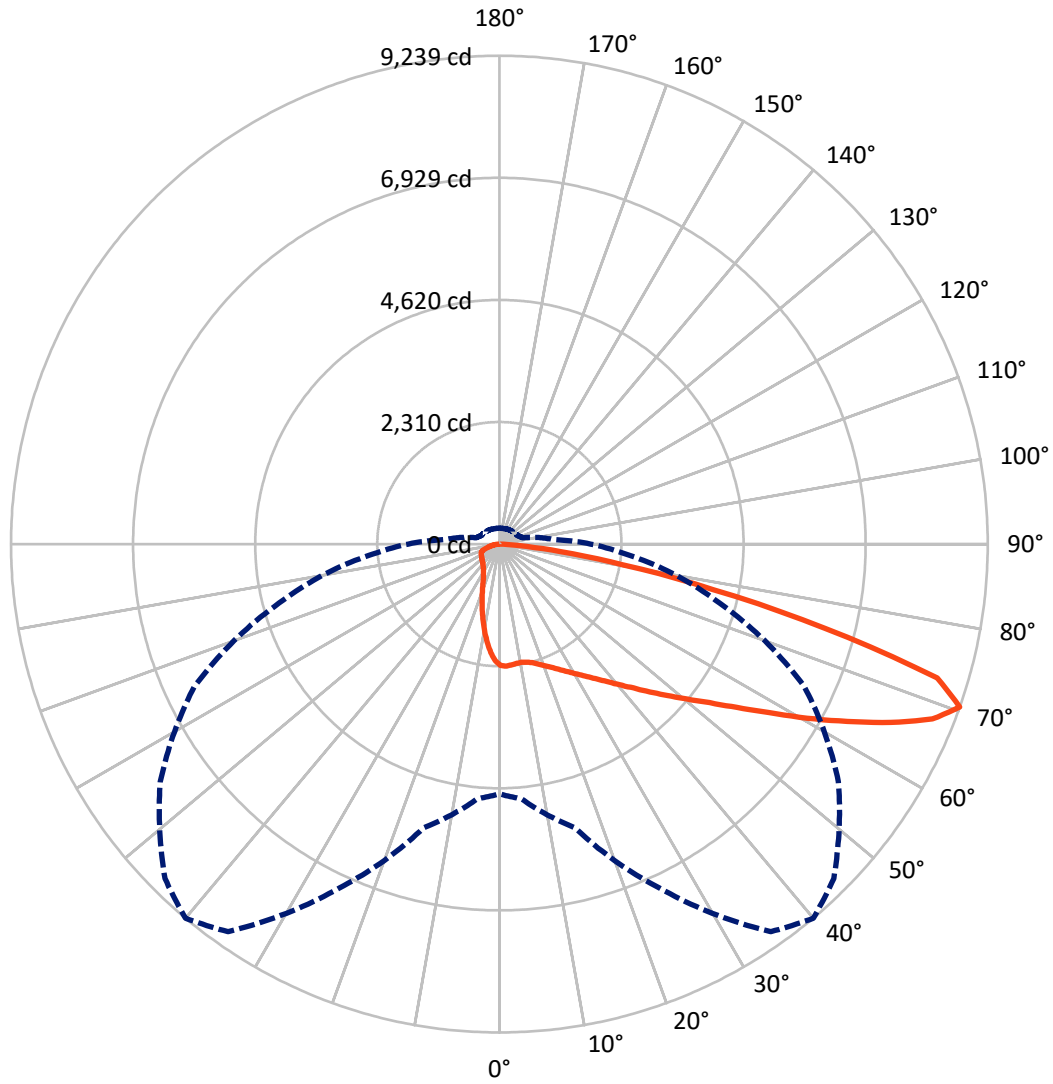
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P634903
CATALOG NUMBER: GWS-SA3C-760-U-SL4-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634903

CATALOG NUMBER: GWS-SA3C-760-U-SL4-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2081.8	0.0	2081.8
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	11434.4	0.0	11434.4
	% Fixture	84.6	0.0	84.6
Total	Lumens	13516.2	0.0	13516.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	1.5
10°-20°	528.5	3.9
20°-30°	829.9	6.1
30°-40°	1247.7	9.2
40°-50°	1925.9	14.2
50°-60°	2860.1	21.2
60°-70°	3605.1	26.7
70°-80°	2084.8	15.4
80°-90°	231.4	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°	13516.2	100.0
0°-180°	13516.2	100.0

Coefficient of Utilization



REPORT NUMBER: P634903

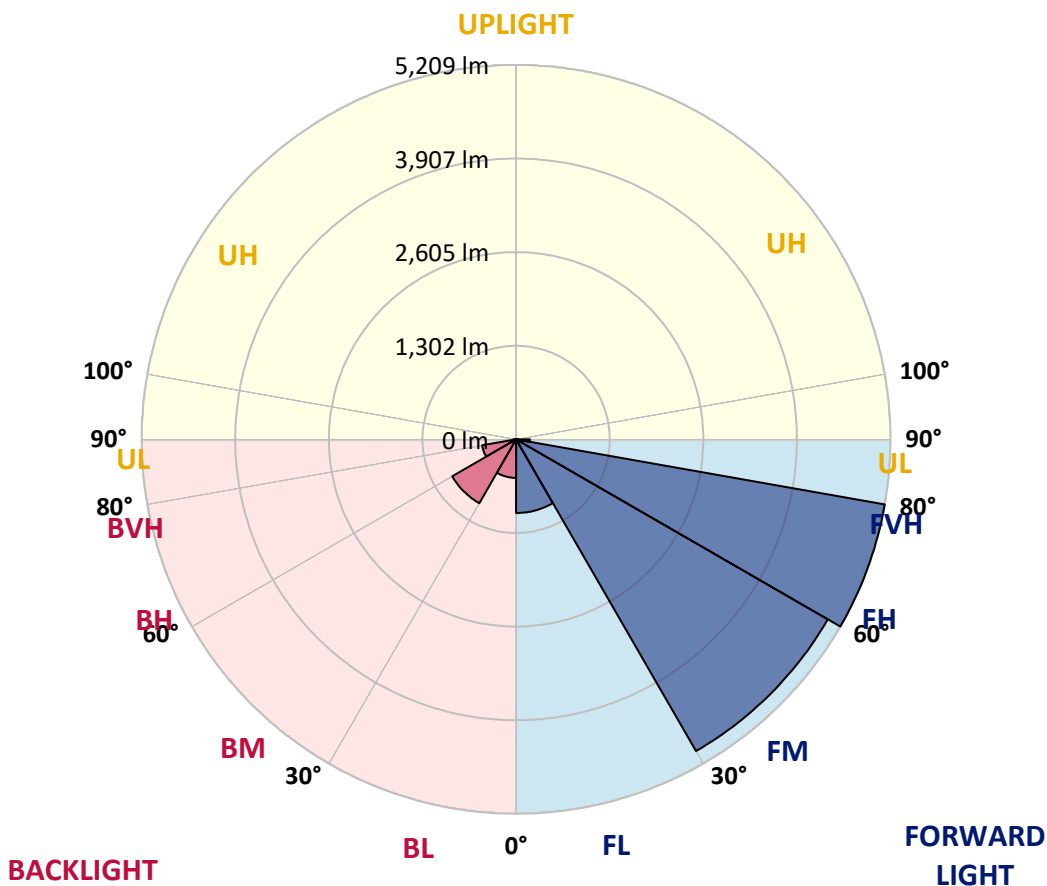
CATALOG NUMBER: GWS-SA3C-760-U-SL4-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1024.6	7.6			
FM (30°-60°)	5007.6	37.0			
FH (60°-80°)	5209.5	38.5			G3/7500
FVH (80°-90°)	192.7	1.4			G2/225
BL (0°-30°)	536.5	4.0	B2/1000		
BM (30°-60°)	1026.2	7.6	B2/2500		
BH (60°-80°)	480.5	3.6	B1/500		G1/500
BVH (80°-90°)	38.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0 <td></td> <td>U0/0</td> <td></td>		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





REPORT NUMBER: P634903
 CATALOG NUMBER: GWS-SA3C-760-U-SL4-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2
2.5°	2309.3	2313.4	2316.4	2320.4	2318.4	2312.4	2317.4	2317.4	2306.3	2294.2	2283.1
5°	2312.4	2317.4	2316.4	2315.4	2307.3	2297.2	2297.2	2291.2	2272.0	2252.8	2234.7
7.5°	2306.3	2305.3	2304.3	2301.3	2292.2	2281.1	2279.1	2267.0	2241.7	2215.5	2189.3
10°	2279.1	2278.1	2281.1	2288.1	2286.1	2276.0	2276.0	2264.9	2235.7	2203.4	2169.1
12.5°	2256.9	2256.9	2269.0	2288.1	2295.2	2291.2	2292.2	2284.1	2250.8	2212.5	2172.1
15°	2259.9	2260.9	2287.1	2318.4	2331.5	2328.5	2329.5	2320.4	2283.1	2244.8	2190.3
17.5°	2280.1	2285.1	2330.5	2373.9	2391.0	2387.0	2380.0	2364.8	2322.4	2279.1	2212.5
20°	2322.4	2330.5	2389.0	2443.5	2463.7	2454.6	2442.5	2412.2	2365.8	2318.4	2236.7
22.5°	2406.2	2411.2	2475.8	2529.3	2545.4	2534.3	2510.1	2466.7	2413.2	2363.8	2265.9
25°	2524.2	2530.3	2591.8	2641.3	2637.2	2624.1	2590.8	2537.3	2473.8	2421.3	2308.3
27.5°	2664.5	2674.5	2735.1	2774.4	2748.2	2729.0	2691.7	2627.1	2555.5	2508.1	2372.9
30°	2817.8	2821.8	2873.3	2912.6	2872.3	2846.1	2800.7	2731.0	2666.5	2631.2	2469.7
32.5°	2966.1	2970.1	3014.5	3036.7	2994.4	2975.2	2935.8	2862.2	2816.8	2797.6	2614.0
35°	3122.5	3121.5	3157.8	3177.0	3133.6	3125.5	3085.2	3028.7	3020.6	3045.8	2824.9
37.5°	3278.9	3269.8	3289.0	3314.2	3290.0	3298.0	3271.8	3252.6	3283.9	3349.5	3105.3
40°	3404.0	3404.0	3424.1	3455.4	3463.5	3498.8	3483.7	3508.9	3609.8	3766.2	3452.4
42.5°	3514.9	3516.0	3558.3	3606.8	3665.3	3719.7	3731.9	3797.4	4006.3	4251.4	3888.2
45°	3631.0	3632.0	3689.5	3760.1	3884.2	3988.1	4012.3	4159.6	4458.2	4756.9	4361.4
47.5°	3765.1	3754.0	3833.8	3951.8	4128.3	4277.7	4340.2	4549.0	4926.4	5293.6	4807.3
50°	3916.5	3893.3	3982.1	4185.8	4403.8	4608.6	4713.5	4952.6	5428.8	5789.0	5227.0
52.5°	4087.0	4073.9	4166.7	4414.9	4747.8	4983.9	5126.1	5439.9	5917.1	6282.3	5559.9
55°	4298.8	4267.6	4401.8	4717.5	5151.3	5452.0	5620.5	5922.1	6450.8	6730.2	5814.2
57.5°	4530.9	4496.6	4676.2	5095.9	5676.0	6005.9	6216.7	6464.9	6953.2	7073.3	5963.5
60°	4781.1	4770.0	4982.9	5539.8	6301.5	6684.8	6837.2	7062.2	7390.1	7272.0	5926.2
62.5°	5010.1	5006.1	5315.8	6021.0	6964.3	7386.0	7507.1	7566.6	7704.8	7258.9	5629.6
65°	5251.2	5285.5	5704.2	6578.9	7724.0	8137.6	8188.1	8036.8	7810.8	6914.9	5022.2
67.5°	5281.5	5348.1	5948.4	7101.5	8444.3	8834.8	8794.4	8215.3	7498.0	5957.4	3936.7
70°	4723.6	4839.6	5558.9	7181.2	8951.8	9239.3	8947.8	7830.9	6363.0	4316.0	2475.8
72.5°	3946.7	4046.6	4682.2	6123.9	8297.0	8663.3	8268.8	6628.4	4496.6	2475.8	1261.1
75°	3072.0	3188.1	3774.2	4867.9	6211.7	6358.0	6160.2	4622.7	2471.8	1021.0	573.0
77.5°	1874.5	1958.2	2414.3	3298.0	4346.3	4127.3	3497.8	2591.8	1084.5	489.3	354.1
80°	829.3	880.8	1189.5	1771.6	2511.1	2373.9	1871.5	1106.7	593.2	310.7	247.2
82.5°	444.9	478.2	586.2	701.2	1102.7	1153.2	935.2	637.6	318.8	177.6	141.2
85°	195.7	214.9	266.3	254.2	362.2	356.1	359.2	437.9	152.3	81.7	91.8
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	11.1	58.5	15.1	24.2	21.2
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: P634903
 CATALOG NUMBER: GWS-SA3C-760-U-SL4-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2	2295.2
2.5°	2271.0	2252.8	2247.8	2241.7	2230.6	2211.5	2197.3	2181.2	2174.1	2166.1	2167.1
5°	2214.5	2192.3	2171.1	2143.9	2109.6	2071.2	2045.0	2014.7	1998.6	1983.5	1987.5
7.5°	2166.1	2131.8	2088.4	2030.9	1969.3	1900.7	1845.2	1801.9	1772.6	1752.4	1762.5
10°	2135.8	2095.4	2019.8	1926.0	1822.0	1717.1	1637.4	1562.8	1516.3	1480.0	1478.0
12.5°	2129.7	2077.3	1967.3	1831.1	1680.8	1540.6	1423.5	1322.6	1261.1	1215.7	1232.9
15°	2135.8	2069.2	1921.9	1743.3	1553.7	1364.0	1218.7	1102.7	1029.1	987.7	984.7
17.5°	2142.9	2061.1	1870.5	1648.5	1420.5	1203.6	1035.1	912.0	836.4	795.0	796.0
20°	2148.9	2049.0	1809.9	1544.6	1285.3	1054.3	879.7	762.7	695.1	664.9	669.9
22.5°	2159.0	2036.9	1745.4	1433.6	1147.1	910.0	756.7	661.8	621.5	601.3	602.3
25°	2178.2	2029.9	1678.8	1312.6	1010.9	795.0	671.9	608.4	583.1	571.0	570.0
27.5°	2217.5	2035.9	1609.2	1195.5	887.8	707.2	617.4	576.1	558.9	550.8	549.8
30°	2283.1	2060.1	1548.6	1076.5	781.9	638.6	580.1	554.9	544.8	537.7	536.7
32.5°	2383.0	2105.5	1483.1	965.5	696.1	588.2	550.8	537.7	530.7	526.6	526.6
35°	2534.3	2188.3	1418.5	868.6	629.5	548.8	527.6	522.6	516.5	514.5	516.5
37.5°	2752.2	2320.4	1360.0	783.9	582.1	518.6	502.4	504.4	499.4	502.4	505.4
40°	3028.7	2497.0	1310.5	714.3	546.8	496.4	480.2	487.3	484.3	487.3	492.3
42.5°	3378.7	2715.9	1273.2	659.8	521.6	478.2	463.1	470.1	468.1	472.2	477.2
45°	3769.2	3004.4	1256.1	621.5	503.4	465.1	449.0	454.0	452.0	455.0	460.1
47.5°	4143.5	3266.8	1271.2	599.3	488.3	454.0	436.8	438.9	437.9	436.8	439.9
50°	4466.3	3475.6	1314.6	592.2	478.2	442.9	426.8	427.8	424.7	418.7	420.7
52.5°	4729.6	3643.1	1340.8	592.2	473.2	430.8	415.7	416.7	410.6	402.5	403.6
55°	4903.2	3710.7	1319.6	591.2	471.1	420.7	404.6	405.6	399.5	389.4	390.4
57.5°	4952.6	3645.1	1230.8	580.1	469.1	412.6	393.5	395.5	391.4	380.3	380.3
60°	4814.4	3405.0	1068.4	554.9	464.1	407.6	385.4	388.4	386.4	375.3	375.3
62.5°	4452.2	2978.2	874.7	516.5	450.0	401.5	378.3	384.4	389.4	383.4	382.4
65°	3774.2	2386.0	711.3	474.2	431.8	391.4	368.2	383.4	394.5	402.5	402.5
67.5°	2831.9	1708.0	580.1	429.8	404.6	371.3	355.1	369.3	377.3	382.4	385.4
70°	1726.2	1004.8	457.0	378.3	365.2	341.0	328.9	314.8	303.7	301.7	302.7
72.5°	844.4	575.1	371.3	321.8	311.7	289.5	262.3	256.3	251.2	248.2	247.2
75°	465.1	400.5	306.7	267.4	249.2	222.0	215.9	205.8	203.8	199.8	200.8
77.5°	328.9	315.8	253.2	216.9	189.7	175.5	178.6	171.5	171.5	168.5	167.5
80°	247.2	248.2	194.7	158.4	140.2	135.2	138.2	138.2	136.2	135.2	134.2
82.5°	156.4	176.6	131.2	101.9	99.9	100.9	99.9	98.9	100.9	97.9	96.9
85°	108.0	127.1	79.7	60.5	60.5	59.5	61.5	60.5	62.6	59.5	59.5
87.5°	24.2	56.5	29.3	18.2	19.2	18.2	19.2	20.2	22.2	23.2	23.2
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)