

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: P634738

Luminaire Tested: GWS-SA3C-735-U-SL4-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634738
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-735-U-SL4-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13213.4 lumens
Efficiency: N/A
Efficacy: 142.1 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

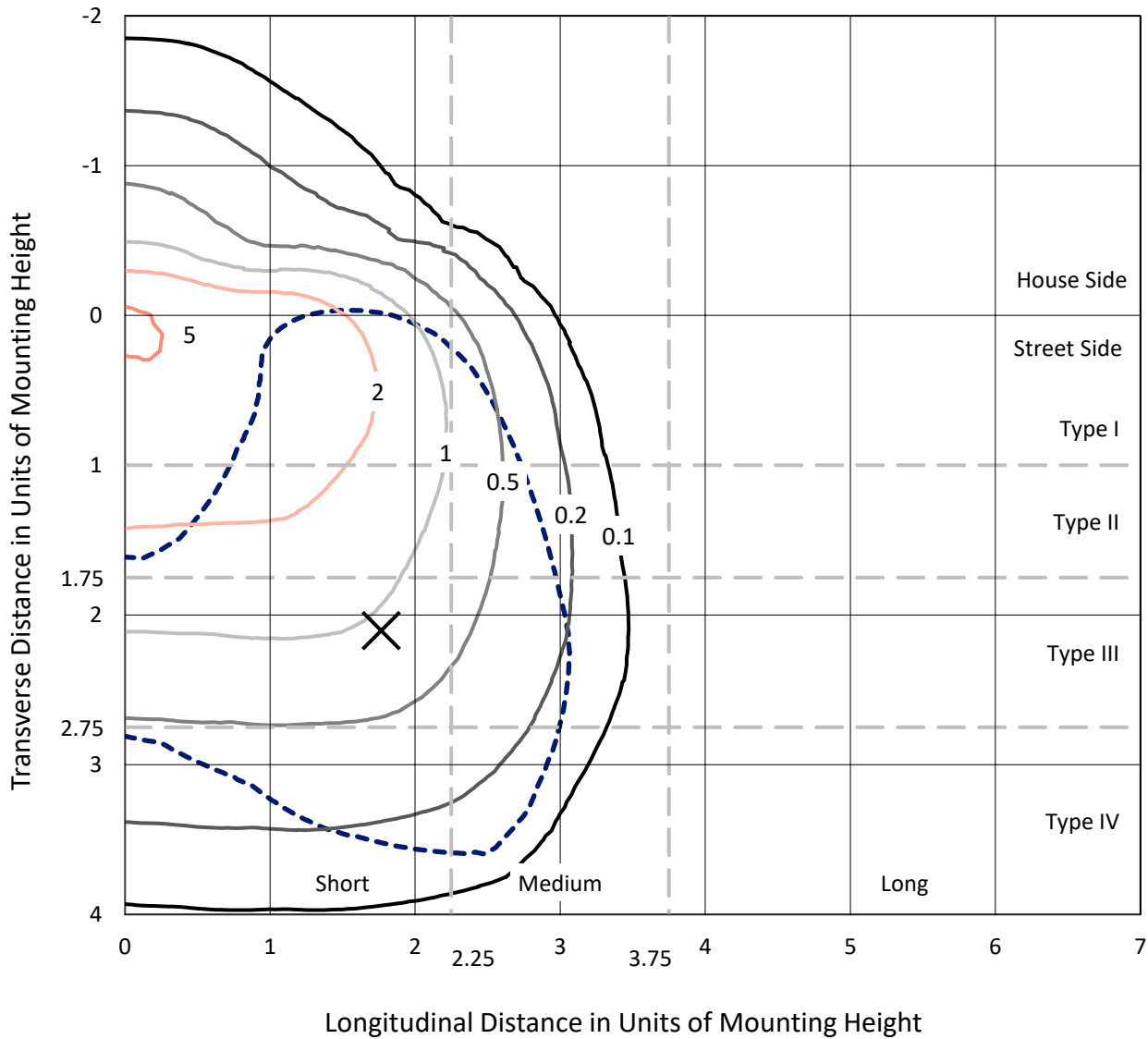


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Iso-Footcandle Lines of Horizontal Illumination

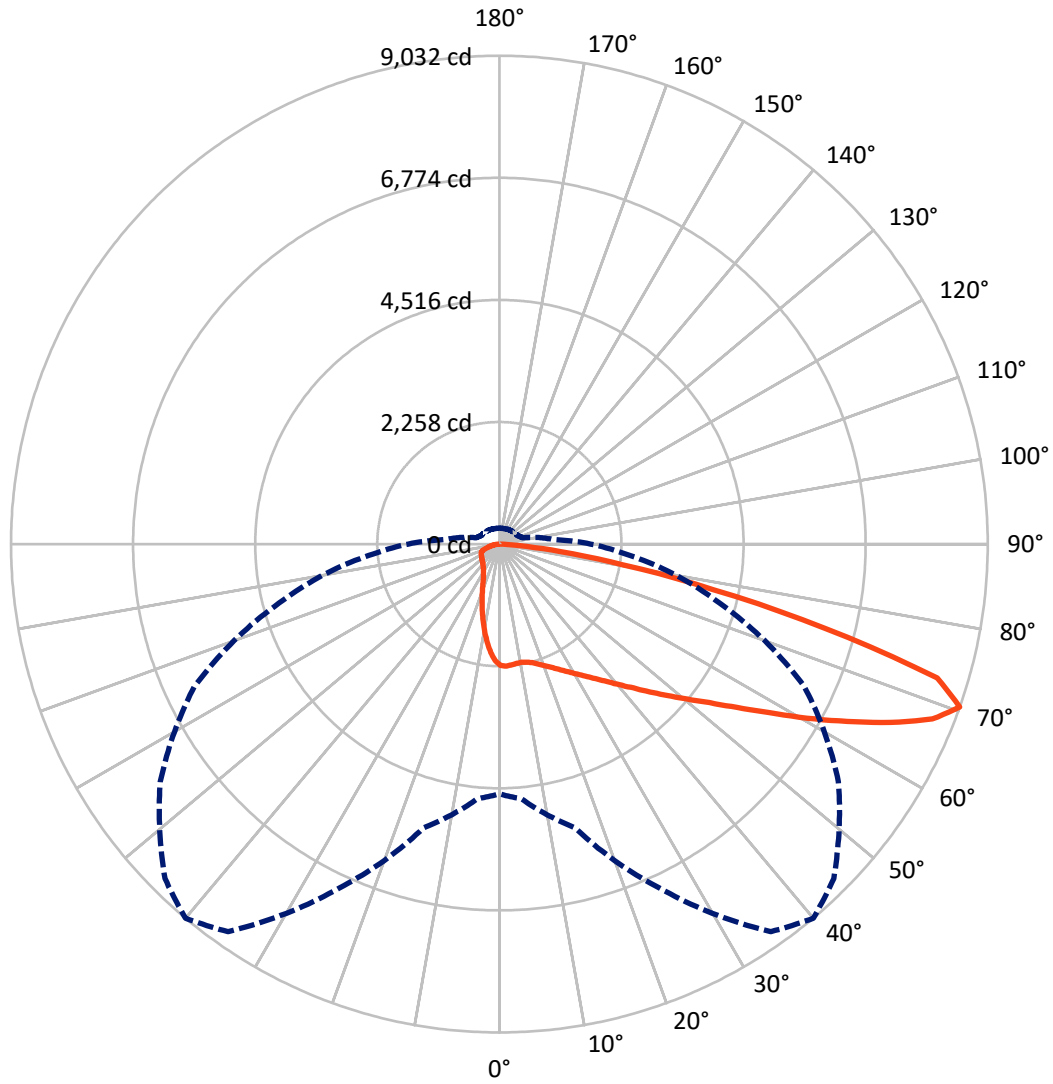
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2035.2	0.0	2035.2
	% Fixture	15.4	0.0	15.4
Street Side	Lumens	11178.2	0.0	11178.2
	% Fixture	84.6	0.0	84.6
Total	Lumens	13213.4	0.0	13213.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.2	1.5
10°-20°	516.7	3.9
20°-30°	811.3	6.1
30°-40°	1219.8	9.2
40°-50°	1882.8	14.2
50°-60°	2796.0	21.2
60°-70°	3524.4	26.7
70°-80°	2038.1	15.4
80°-90°	226.2	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°	13213.4	100.0
0°-180°	13213.4	100.0

Coefficient of Utilization



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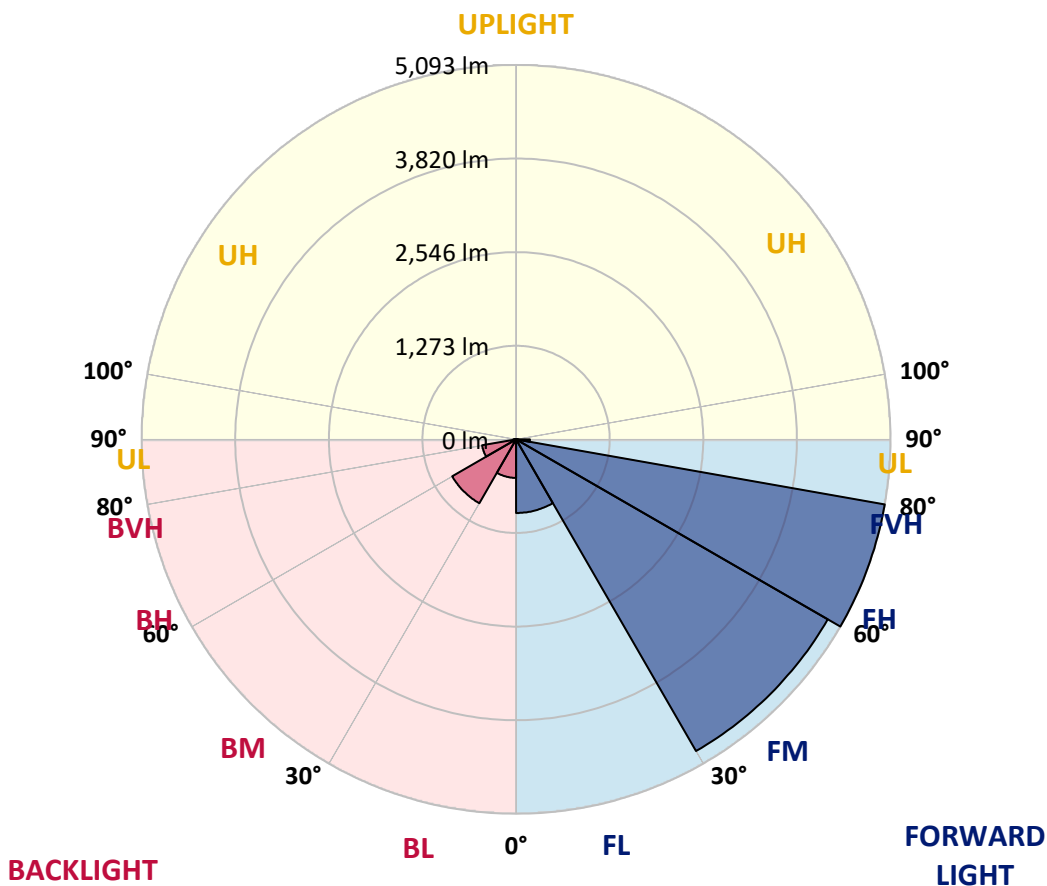
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1001.7	7.6			
FM (30°-60°)	4895.4	37.0			
FH (60°-80°)	5092.7	38.5			G3/7500
FVH (80°-90°)	188.4	1.4			G2/225
BL (0°-30°)	524.5	4.0	B2/1000		
BM (30°-60°)	1003.2	7.6	B2/2500		
BH (60°-80°)	469.7	3.6	B1/500		G1/500
BVH (80°-90°)	37.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8
2.5°	2257.6	2261.5	2264.5	2268.4	2266.5	2260.6	2265.5	2265.5	2254.6	2242.8	2232.0
5°	2260.6	2265.5	2264.5	2263.5	2255.6	2245.8	2245.8	2239.8	2221.1	2202.4	2184.6
7.5°	2254.6	2253.6	2252.7	2249.7	2240.8	2230.0	2228.0	2216.2	2191.5	2165.9	2140.2
10°	2228.0	2227.0	2230.0	2236.9	2234.9	2225.0	2225.0	2214.2	2185.6	2154.0	2120.5
12.5°	2206.3	2206.3	2218.1	2236.9	2243.8	2239.8	2240.8	2232.9	2200.4	2162.9	2123.5
15°	2209.3	2210.3	2235.9	2266.5	2279.3	2276.3	2277.3	2268.4	2232.0	2194.5	2141.2
17.5°	2229.0	2233.9	2278.3	2320.7	2337.5	2333.5	2326.6	2311.8	2270.4	2228.0	2162.9
20°	2270.4	2278.3	2335.5	2388.8	2408.5	2399.6	2387.8	2358.2	2312.8	2266.5	2186.6
22.5°	2352.3	2357.2	2420.3	2472.6	2488.4	2477.5	2453.9	2411.5	2359.2	2310.9	2215.2
25°	2467.7	2473.6	2533.8	2582.1	2578.1	2565.3	2532.8	2480.5	2418.4	2367.1	2256.6
27.5°	2604.8	2614.6	2673.8	2712.3	2686.6	2667.9	2631.4	2568.3	2498.2	2451.9	2319.7
30°	2754.7	2758.6	2808.9	2847.4	2807.9	2782.3	2737.9	2669.9	2606.7	2572.2	2414.4
32.5°	2899.7	2903.6	2947.0	2968.7	2927.3	2908.5	2870.1	2798.1	2753.7	2735.0	2555.5
35°	3052.5	3051.6	3087.1	3105.8	3063.4	3055.5	3016.0	2960.8	2952.9	2977.6	2761.6
37.5°	3205.4	3196.5	3215.3	3239.9	3216.3	3224.1	3198.5	3179.8	3210.3	3274.4	3035.8
40°	3327.7	3327.7	3347.4	3378.0	3385.9	3420.4	3405.6	3430.3	3528.9	3681.8	3375.0
42.5°	3436.2	3437.2	3478.6	3526.0	3583.2	3636.4	3648.2	3712.4	3916.5	4156.2	3801.1
45°	3549.6	3550.6	3606.8	3675.9	3797.2	3898.8	3922.4	4066.4	4358.4	4650.3	4263.7
47.5°	3680.8	3669.9	3747.9	3863.3	4035.9	4181.8	4243.0	4447.1	4816.0	5175.0	4699.6
50°	3828.7	3806.1	3892.8	4092.1	4305.1	4505.3	4607.9	4841.6	5307.2	5659.3	5109.9
52.5°	3995.4	3982.6	4073.3	4316.0	4641.4	4872.2	5011.3	5318.0	5784.5	6141.6	5435.4
55°	4202.5	4172.0	4303.1	4611.8	5035.9	5329.9	5494.6	5789.5	6306.3	6579.5	5683.9
57.5°	4429.4	4395.8	4571.4	4981.7	5548.8	5871.3	6077.5	6320.1	6797.4	6914.8	5829.9
60°	4674.0	4663.1	4871.2	5415.7	6160.3	6535.1	6684.0	6904.0	7224.5	7109.1	5793.4
62.5°	4897.9	4893.9	5196.7	5886.1	6808.3	7220.6	7338.9	7397.1	7532.2	7096.3	5503.4
65°	5133.6	5167.1	5576.4	6431.5	7551.0	7955.3	8004.6	7856.7	7635.8	6760.0	4909.7
67.5°	5163.2	5228.3	5815.1	6942.4	8255.2	8636.9	8597.4	8031.3	7330.0	5824.0	3848.5
70°	4617.8	4731.2	5434.4	7020.3	8751.3	9032.4	8747.3	7655.5	6220.5	4219.3	2420.3
72.5°	3858.3	3956.0	4577.3	5986.7	8111.2	8469.2	8083.6	6479.9	4395.8	2420.3	1232.8
75°	3003.2	3116.6	3689.7	4758.8	6072.5	6215.5	6022.2	4519.1	2416.4	998.1	560.2
77.5°	1832.5	1914.4	2360.2	3224.1	4248.9	4034.9	3419.4	2533.8	1060.3	478.3	346.2
80°	810.7	861.0	1162.8	1731.9	2454.9	2320.7	1829.5	1081.9	579.9	303.8	241.6
82.5°	434.9	467.5	573.0	685.5	1078.0	1127.3	914.3	623.3	311.7	173.6	138.1
85°	191.3	210.1	260.4	248.5	354.1	348.2	351.1	428.0	148.9	79.9	89.8
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	10.8	57.2	14.8	23.7	20.7
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°	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8	2243.8
2.5°	2220.1	2202.4	2197.4	2191.5	2180.7	2161.9	2148.1	2132.3	2125.4	2117.5	2118.5
5°	2164.9	2143.2	2122.5	2095.8	2062.3	2024.8	1999.2	1969.6	1953.8	1939.0	1943.0
7.5°	2117.5	2084.0	2041.6	1985.4	1925.2	1858.2	1803.9	1761.5	1732.9	1713.2	1723.0
10°	2088.0	2048.5	1974.5	1882.8	1781.2	1678.6	1600.7	1527.7	1482.4	1446.9	1444.9
12.5°	2082.0	2030.8	1923.2	1790.1	1643.1	1506.0	1391.6	1293.0	1232.8	1188.5	1205.2
15°	2088.0	2022.9	1878.9	1704.3	1518.9	1333.5	1191.4	1078.0	1006.0	965.6	962.6
17.5°	2094.9	2015.0	1828.6	1611.6	1388.7	1176.6	1011.9	891.6	817.6	777.2	778.2
20°	2100.8	2003.1	1769.4	1510.0	1256.5	1030.7	860.0	745.6	679.5	650.0	654.9
22.5°	2110.6	1991.3	1706.3	1401.5	1121.4	889.6	739.7	647.0	607.5	587.8	588.8
25°	2129.4	1984.4	1641.2	1283.2	988.3	777.2	656.9	594.7	570.1	558.2	557.2
27.5°	2167.8	1990.3	1573.1	1168.7	867.9	691.4	603.6	563.2	546.4	538.5	537.5
30°	2232.0	2014.0	1513.9	1052.4	764.4	624.3	567.1	542.5	532.6	525.7	524.7
32.5°	2329.6	2058.4	1449.8	943.9	680.5	575.0	538.5	525.7	518.8	514.8	514.8
35°	2477.5	2139.2	1386.7	849.2	615.4	536.5	515.8	510.9	505.0	503.0	505.0
37.5°	2690.6	2268.4	1329.5	766.3	569.1	506.9	491.2	493.1	488.2	491.2	494.1
40°	2960.8	2441.0	1281.2	698.3	534.6	485.2	469.5	476.4	473.4	476.4	481.3
42.5°	3303.1	2655.1	1244.7	645.0	509.9	467.5	452.7	459.6	457.6	461.6	466.5
45°	3684.7	2937.1	1227.9	607.5	492.2	454.7	438.9	443.8	441.9	444.8	449.7
47.5°	4050.7	3193.6	1242.7	585.9	477.4	443.8	427.1	429.0	428.0	427.1	430.0
50°	4366.3	3397.7	1285.1	578.9	467.5	433.0	417.2	418.2	415.2	409.3	411.3
52.5°	4623.7	3561.5	1310.8	578.9	462.6	421.1	406.3	407.3	401.4	393.5	394.5
55°	4793.3	3627.5	1290.1	578.0	460.6	411.3	395.5	396.5	390.6	380.7	381.7
57.5°	4841.6	3563.4	1203.3	567.1	458.6	403.4	384.6	386.6	382.7	371.8	371.8
60°	4706.5	3328.7	1044.5	542.5	453.7	398.5	376.8	379.7	377.7	366.9	366.9
62.5°	4352.5	2911.5	855.1	505.0	439.9	392.5	369.9	375.8	380.7	374.8	373.8
65°	3689.7	2332.6	695.3	463.6	422.1	382.7	360.0	374.8	385.6	393.5	393.5
67.5°	2768.5	1669.8	567.1	420.2	395.5	363.0	347.2	361.0	368.9	373.8	376.8
70°	1687.5	982.3	446.8	369.9	357.0	333.4	321.5	307.7	296.9	294.9	295.9
72.5°	825.5	562.2	363.0	314.6	304.8	283.1	256.4	250.5	245.6	242.6	241.6
75°	454.7	391.6	299.8	261.4	243.6	217.0	211.1	201.2	199.2	195.3	196.3
77.5°	321.5	308.7	247.6	212.1	185.4	171.6	174.6	167.7	167.7	164.7	163.7
80°	241.6	242.6	190.4	154.8	137.1	132.2	135.1	135.1	133.1	132.2	131.2
82.5°	152.9	172.6	128.2	99.6	97.6	98.6	97.6	96.7	98.6	95.7	94.7
85°	105.5	124.3	77.9	59.2	59.2	58.2	60.2	59.2	61.1	58.2	58.2
87.5°	23.7	55.2	28.6	17.8	18.7	17.8	18.7	19.7	21.7	22.7	22.7
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)