

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: P636082

Luminaire Tested: GWS-SA3F-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636082
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14098.8 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

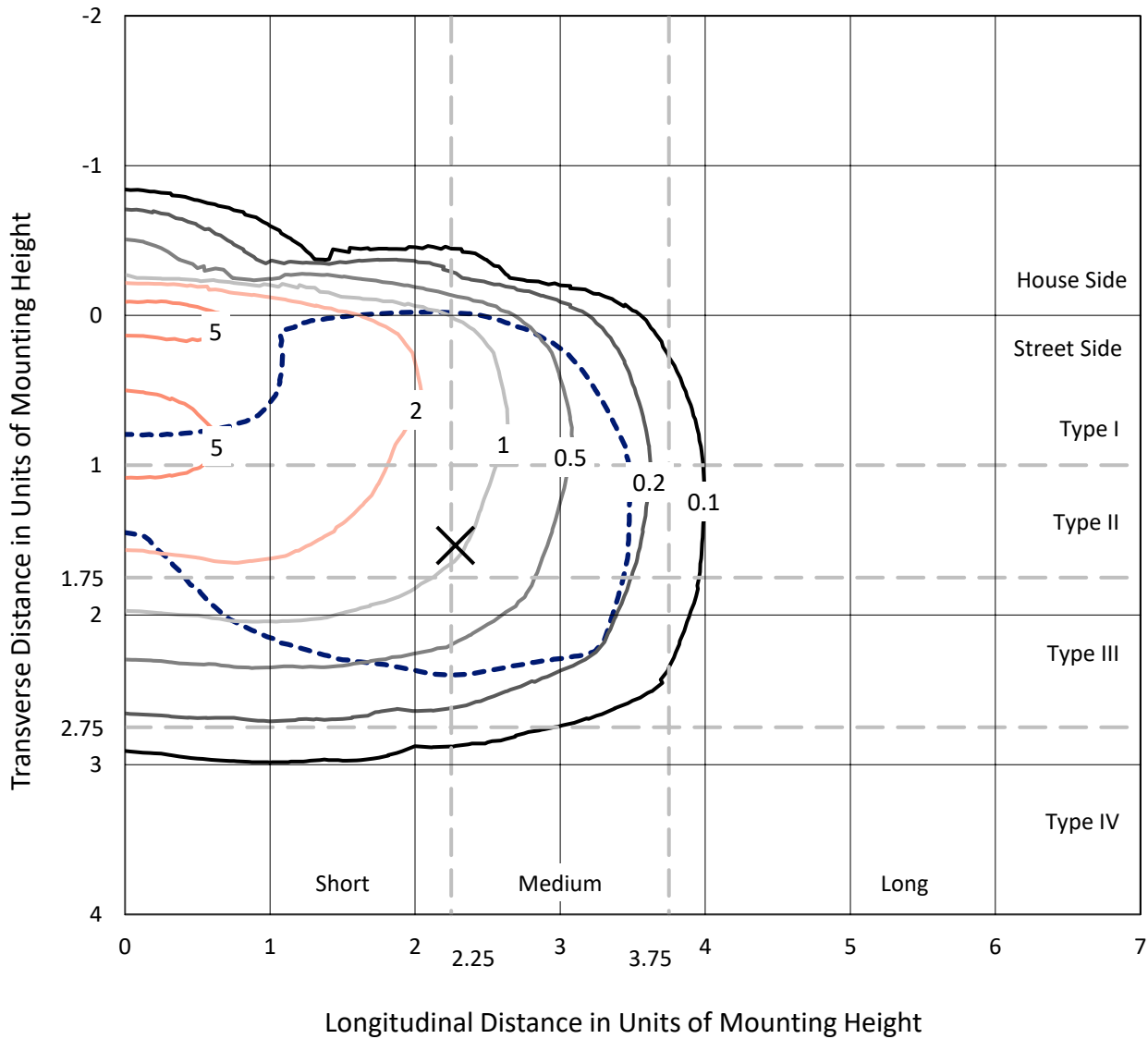
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636082
 CATALOG NUMBER: GWS-SA3F-722-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

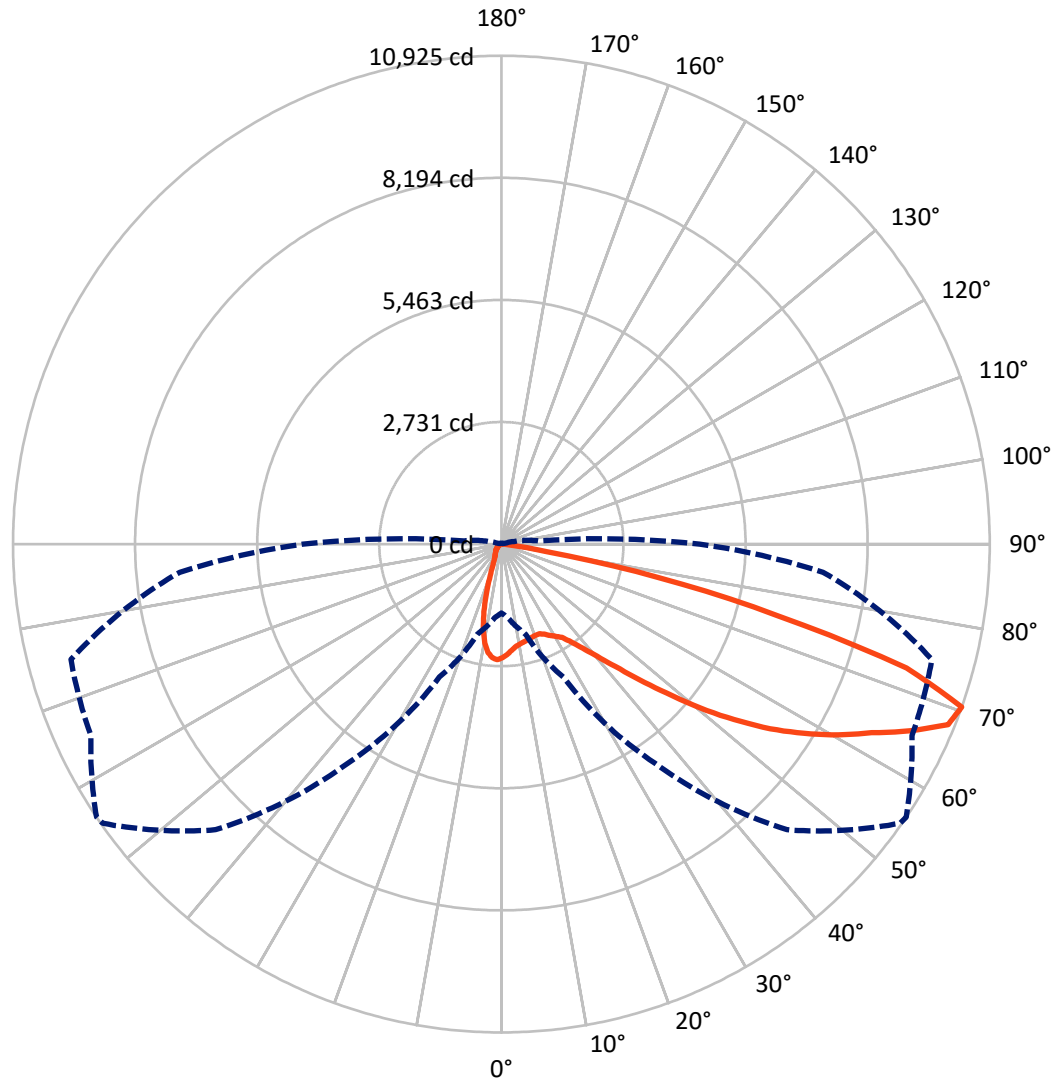
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P636082
CATALOG NUMBER: GWS-SA3F-722-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.3	0.0	1266.3
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	12832.5	0.0	12832.5
	% Fixture	91.0	0.0	91.0
Total	Lumens	14098.8	0.0	14098.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	218.3	1.5
10°-20°	490.9	3.5
20°-30°	777.6	5.5
30°-40°	1341.0	9.5
40°-50°	2264.4	16.1
50°-60°	3327.2	23.6
60°-70°	3944.5	28.0
70°-80°	1682.1	11.9
80°-90°	52.8	0.4
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°	14098.8	100.0
0°-180°	14098.8	100.0

Coefficient of Utilization



REPORT NUMBER: P636082

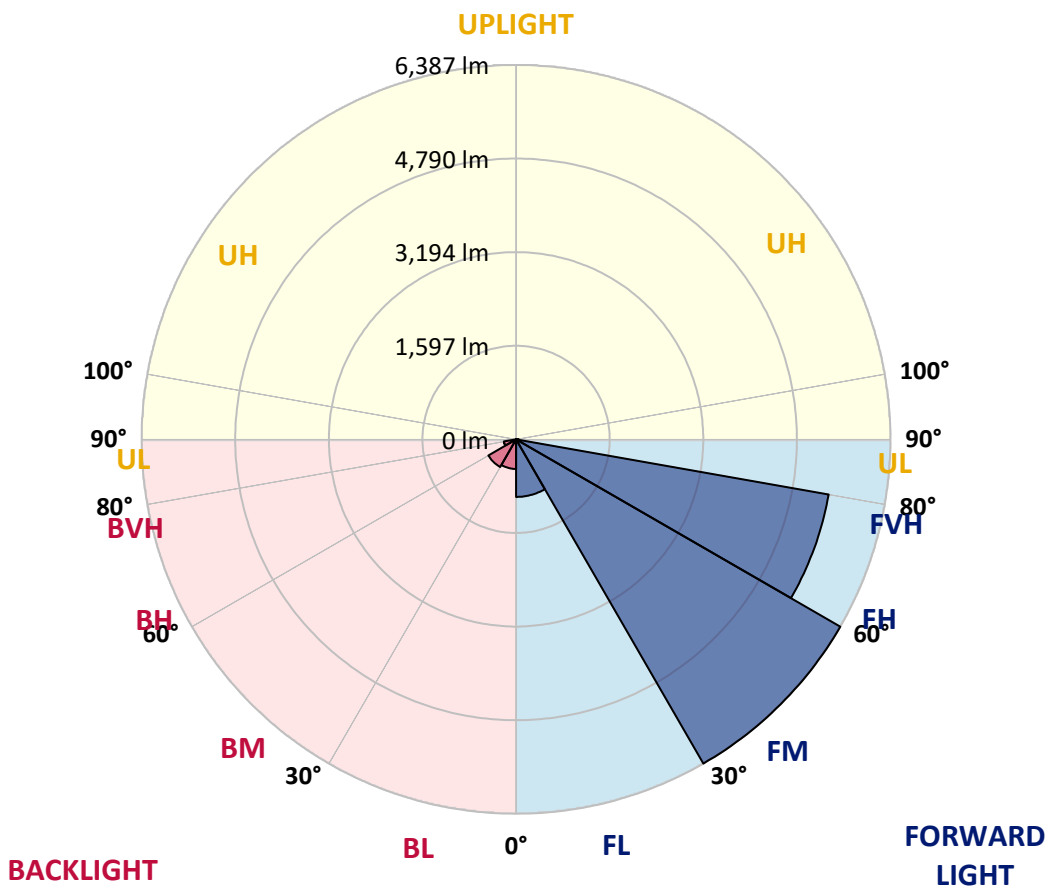
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	982.4	7.0			
FM (30°-60°)	6387.1	45.3			
FH (60°-80°)	5415.4	38.4			G3/7500
FVH (80°-90°)	47.5	0.3			G1/100
BL (0°-30°)	504.3	3.6	B2/1000		
BM (30°-60°)	545.4	3.9	B1/1000		
BH (60°-80°)	211.2	1.5	B1/500		G1/500
BVH (80°-90°)	5.4	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-G3

Type III Medium





REPORT NUMBER: P636082

CATALOG NUMBER: GWS-SA3F-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2
2.5°	2366.6	2362.7	2365.3	2384.6	2420.8	2437.6	2466.0	2471.1	2494.4	2524.1	2535.7
5°	2212.9	2200.0	2206.5	2233.6	2274.9	2321.4	2374.3	2388.5	2446.6	2512.5	2561.5
7.5°	2072.2	2058.0	2073.5	2116.1	2174.2	2224.5	2303.3	2312.3	2405.3	2521.5	2610.6
10°	1851.4	1855.3	1886.3	1961.2	2050.3	2154.8	2260.7	2273.6	2388.5	2551.2	2689.3
12.5°	1682.3	1673.3	1706.8	1792.0	1917.3	2069.6	2228.4	2245.2	2389.8	2596.4	2790.0
15°	1603.5	1601.0	1615.2	1677.1	1798.5	1977.9	2198.7	2220.7	2406.6	2637.7	2885.6
17.5°	1606.1	1602.2	1601.0	1637.1	1727.5	1909.5	2166.4	2194.9	2420.8	2682.9	2986.3
20°	1718.4	1700.4	1668.1	1651.3	1705.5	1865.6	2144.5	2176.8	2441.5	2730.7	3093.5
22.5°	1953.4	1959.9	1873.4	1783.0	1757.2	1870.8	2141.9	2179.4	2486.6	2805.5	3225.1
25°	2423.4	2413.0	2253.0	2050.3	1909.5	1930.2	2187.1	2232.3	2575.7	2912.7	3349.1
27.5°	3012.1	3021.1	2801.7	2478.9	2184.5	2052.8	2269.7	2314.9	2679.0	2979.8	3431.7
30°	3653.8	3644.7	3409.8	3052.1	2574.4	2256.8	2352.4	2392.4	2730.7	3016.0	3516.9
32.5°	4260.6	4239.9	4007.5	3633.1	3071.5	2578.3	2466.0	2489.2	2799.1	3094.7	3631.8
35°	4778.3	4777.0	4574.3	4175.4	3582.8	2981.1	2660.9	2680.3	2926.9	3220.0	3801.0
37.5°	5312.8	5294.8	5067.5	4703.4	4108.2	3422.7	2959.2	2951.4	3128.3	3404.6	4008.8
40°	5751.8	5740.2	5565.9	5216.0	4654.4	3910.7	3320.7	3297.4	3367.2	3660.2	4298.0
42.5°	6077.2	6078.5	6024.2	5811.2	5232.8	4474.9	3775.1	3739.0	3737.7	4046.3	4680.2
45°	6323.8	6340.5	6421.9	6389.6	5915.8	5132.1	4357.4	4320.0	4256.7	4547.2	5117.9
47.5°	6438.7	6460.6	6705.9	6835.0	6513.5	5784.1	5050.7	4972.0	4848.0	5213.4	5607.2
50°	6427.0	6465.8	6807.9	7200.4	7055.8	6445.1	5806.0	5768.6	5565.9	5918.4	6091.4
52.5°	6163.7	6246.3	6814.4	7422.5	7472.8	7054.5	6587.1	6517.4	6419.3	6654.3	6545.8
55°	5448.4	5549.1	6542.0	7493.5	7798.2	7586.4	7351.5	7294.7	7132.0	7348.9	6942.2
57.5°	5059.8	5146.3	5968.7	7458.6	8074.5	8078.3	8031.9	7985.4	7851.1	8035.7	7407.0
60°	4826.1	4912.6	5662.7	7330.8	8324.9	8597.4	8671.0	8665.8	8472.1	8816.9	7951.8
62.5°	4484.0	4602.7	5343.8	6999.0	8503.1	9108.6	9330.7	9295.8	9080.2	9630.2	8491.5
65°	3793.2	3896.5	4690.5	6451.6	8398.5	9532.1	10046.0	10064.0	9814.9	10395.9	8917.6
67.5°	2659.6	2735.8	3524.7	5302.5	7688.4	9671.6	10778.0	10776.7	10352.0	10788.3	8729.1
70°	1541.6	1646.1	2082.5	3278.1	5981.6	9037.6	10887.8	10925.2	10133.8	9968.5	7223.6
72.5°	596.5	683.0	1180.1	1741.7	3119.3	6922.8	9365.6	9475.3	8481.2	7689.7	5027.5
75°	178.2	198.8	555.2	927.0	1252.4	3343.9	6340.5	6371.5	5817.6	4796.4	2577.0
77.5°	133.0	147.2	242.7	468.7	439.0	1013.5	3280.7	3582.8	3088.3	1713.3	710.1
80°	90.4	107.2	173.0	228.5	162.7	269.8	921.8	1012.2	942.5	384.7	178.2
82.5°	40.0	51.6	122.7	114.9	59.4	77.5	284.0	302.1	195.0	116.2	62.0
85°	3.9	5.2	46.5	50.4	21.9	18.1	59.4	59.4	42.6	40.0	25.8
87.5°	0.0	0.0	1.3	2.6	2.6	3.9	5.2	6.5	7.7	10.3	12.9
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: P636082
 CATALOG NUMBER: GWS-SA3F-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2	2542.2
2.5°	2565.4	2549.9	2569.3	2584.8	2588.6	2560.2	2543.4	2518.9	2513.8	2515.0	2508.6
5°	2600.3	2592.5	2606.7	2589.9	2546.0	2463.4	2392.4	2313.6	2271.0	2246.5	2243.9
7.5°	2664.8	2660.9	2645.4	2569.3	2432.4	2249.1	2072.2	1899.2	1792.0	1753.3	1746.8
10°	2760.3	2752.6	2689.3	2508.6	2216.8	1864.3	1567.4	1319.5	1168.4	1124.5	1070.3
12.5°	2870.1	2854.6	2716.5	2378.2	1891.4	1403.4	1032.9	755.3	624.9	586.2	586.2
15°	2976.0	2942.4	2701.0	2162.6	1491.2	912.8	577.1	436.4	396.4	386.0	386.0
17.5°	3084.4	3019.9	2640.3	1868.2	1030.3	539.7	384.7	357.6	352.5	353.8	355.0
20°	3186.4	3085.7	2533.1	1514.4	657.2	377.0	344.7	338.3	335.7	338.3	337.0
22.5°	3297.4	3146.4	2370.4	1128.4	427.4	339.6	327.9	322.8	320.2	324.1	324.1
25°	3407.2	3190.3	2154.8	759.2	339.6	316.3	309.9	304.7	302.1	303.4	303.4
27.5°	3464.0	3173.5	1872.1	484.2	304.7	293.1	286.6	280.2	276.3	275.0	276.3
30°	3502.7	3121.9	1526.1	344.7	276.3	262.1	255.6	250.5	240.1	233.7	236.3
32.5°	3563.4	3070.2	1150.4	289.2	253.1	231.1	220.8	207.9	193.7	187.2	187.2
35°	3635.7	2999.2	806.9	260.8	228.5	205.3	185.9	164.0	147.2	142.0	142.0
37.5°	3731.2	2932.1	537.1	241.4	207.9	183.3	156.2	130.4	112.3	109.7	108.5
40°	3874.6	2875.3	378.3	227.2	189.8	160.1	127.8	100.7	87.8	83.9	83.9
42.5°	4060.5	2817.2	299.5	213.0	174.3	138.1	102.0	80.0	69.7	67.1	65.8
45°	4290.3	2748.7	260.8	200.1	158.8	114.9	81.3	67.1	59.4	56.8	56.8
47.5°	4539.5	2655.8	242.7	183.3	140.7	93.0	68.4	58.1	54.2	52.9	51.6
50°	4784.8	2530.5	227.2	167.8	120.1	76.2	59.4	52.9	50.4	49.1	49.1
52.5°	4999.1	2384.6	207.9	149.8	98.1	65.8	52.9	49.1	46.5	43.9	42.6
55°	5182.4	2225.8	183.3	129.1	80.0	58.1	49.1	45.2	42.6	40.0	38.7
57.5°	5418.7	2135.5	147.2	104.6	65.8	51.6	45.2	41.3	38.7	34.9	34.9
60°	5680.8	2069.6	109.7	82.6	56.8	47.8	41.3	37.4	34.9	31.0	31.0
62.5°	5891.2	1971.5	86.5	67.1	49.1	42.6	37.4	33.6	31.0	27.1	27.1
65°	5971.3	1768.8	71.0	52.9	40.0	37.4	33.6	31.0	27.1	23.2	23.2
67.5°	5609.8	1363.4	59.4	42.6	33.6	32.3	29.7	28.4	23.2	20.7	19.4
70°	4442.6	831.5	49.1	34.9	28.4	27.1	27.1	24.5	20.7	19.4	18.1
72.5°	3044.4	428.6	40.0	28.4	24.5	24.5	23.2	21.9	19.4	18.1	18.1
75°	1581.6	143.3	31.0	21.9	19.4	20.7	20.7	19.4	18.1	18.1	16.8
77.5°	453.2	64.6	23.2	16.8	15.5	15.5	16.8	16.8	16.8	15.5	15.5
80°	117.5	37.4	16.8	12.9	12.9	12.9	12.9	14.2	15.5	14.2	14.2
82.5°	47.8	20.7	11.6	10.3	10.3	10.3	10.3	11.6	12.9	12.9	12.9
85°	29.7	10.3	9.0	9.0	9.0	7.7	7.7	9.0	9.0	10.3	10.3
87.5°	18.1	7.7	7.7	7.7	7.7	6.5	6.5	6.5	6.5	6.5	6.5
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)