

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: P639382

Luminaire Tested: GWS-SA5B-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639382
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-SA5B-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14023.3 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

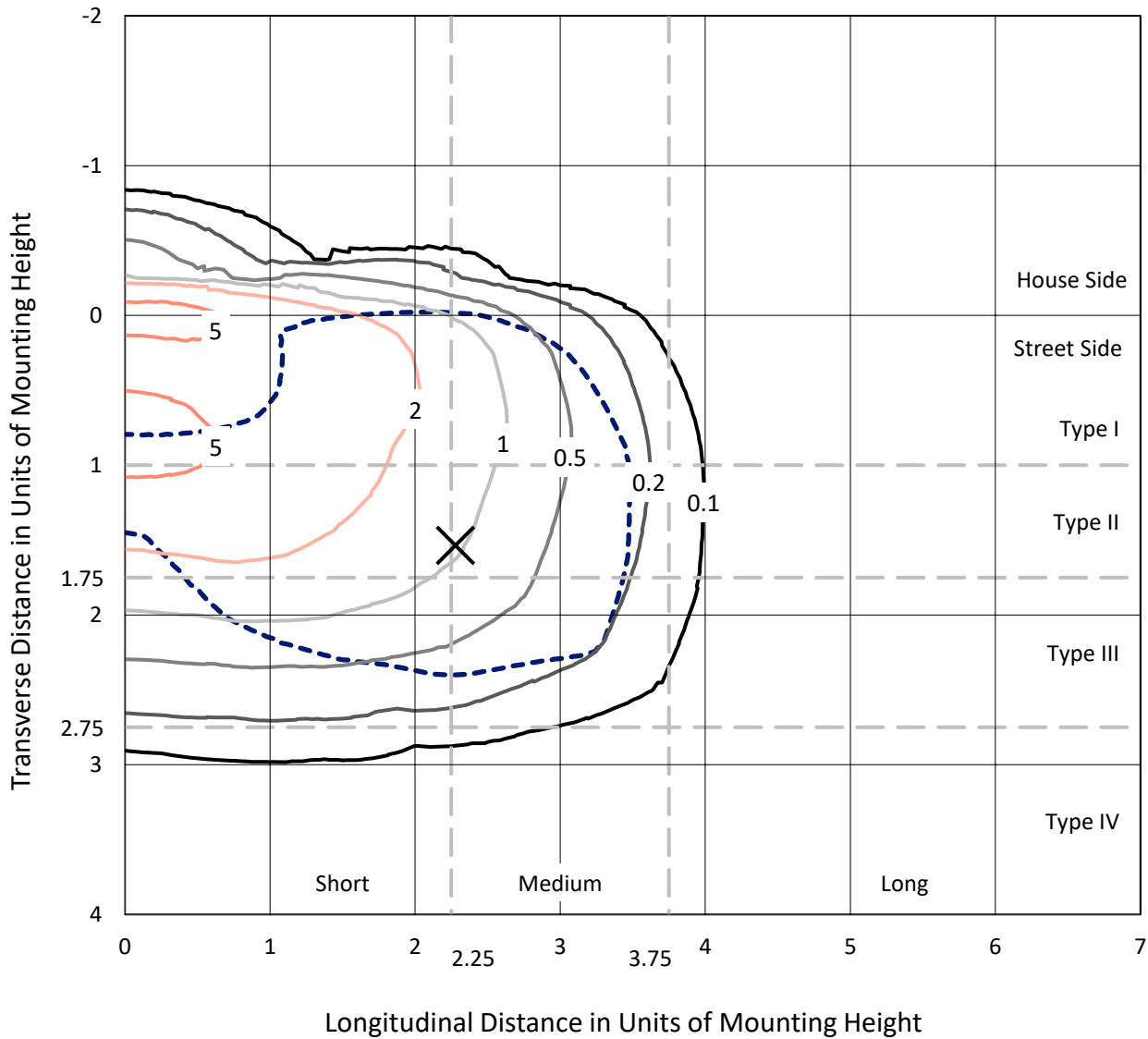
Input Watts (W): 115.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P639382
 CATALOG NUMBER: GWS-SA5B-760-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

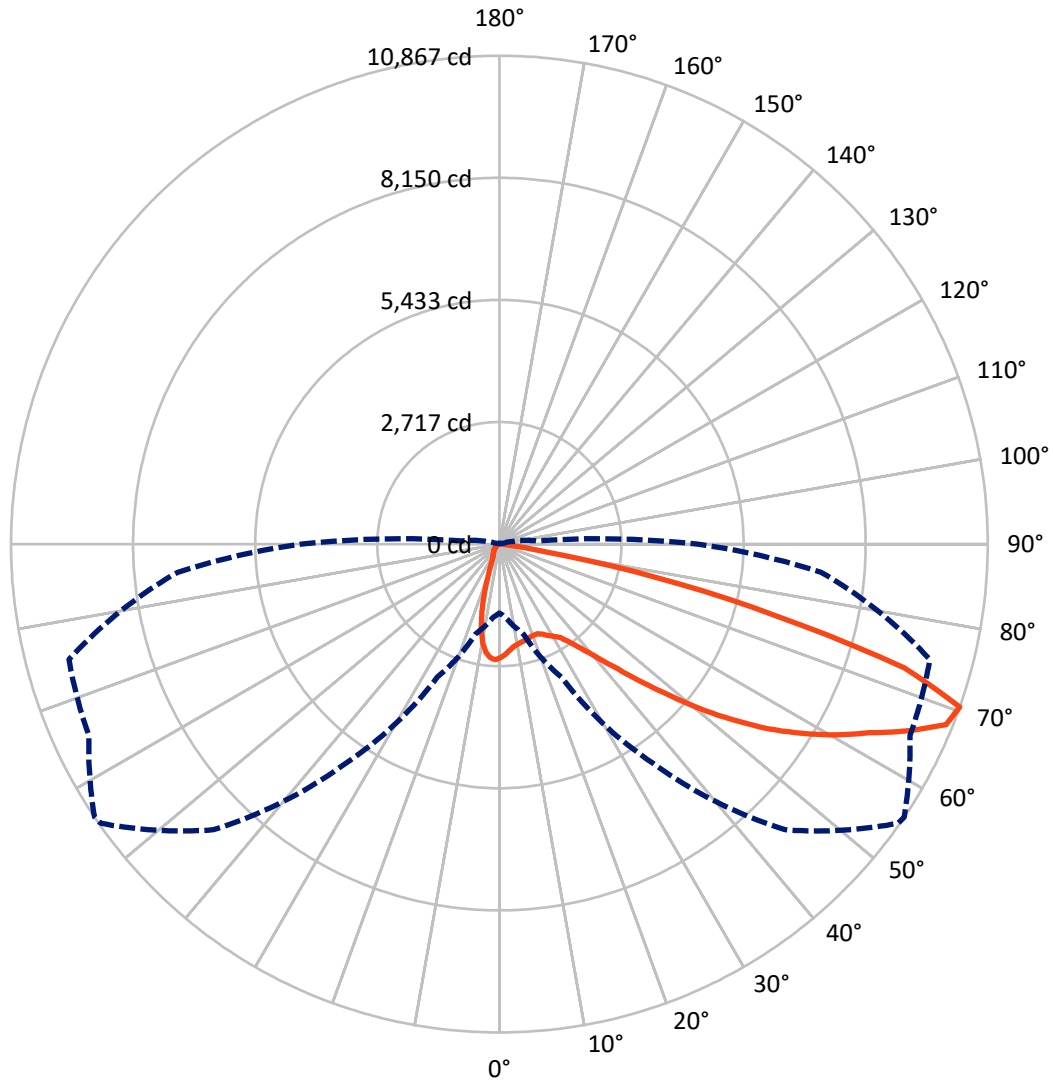
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P639382
CATALOG NUMBER: GWS-SA5B-760-U-T3R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P639382
 CATALOG NUMBER: GWS-SA5B-760-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1259.6	0.0	1259.6
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	12763.7	0.0	12763.7
	% Fixture	91.0	0.0	91.0
Total	Lumens	14023.3	0.0	14023.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.1	1.5
10°-20°	488.3	3.5
20°-30°	773.4	5.5
30°-40°	1333.8	9.5
40°-50°	2252.3	16.1
50°-60°	3309.4	23.6
60°-70°	3923.4	28.0
70°-80°	1673.1	11.9
80°-90°	52.5	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°	14023.3	100.0
0°-180°	14023.3	100.0

Coefficient of Utilization



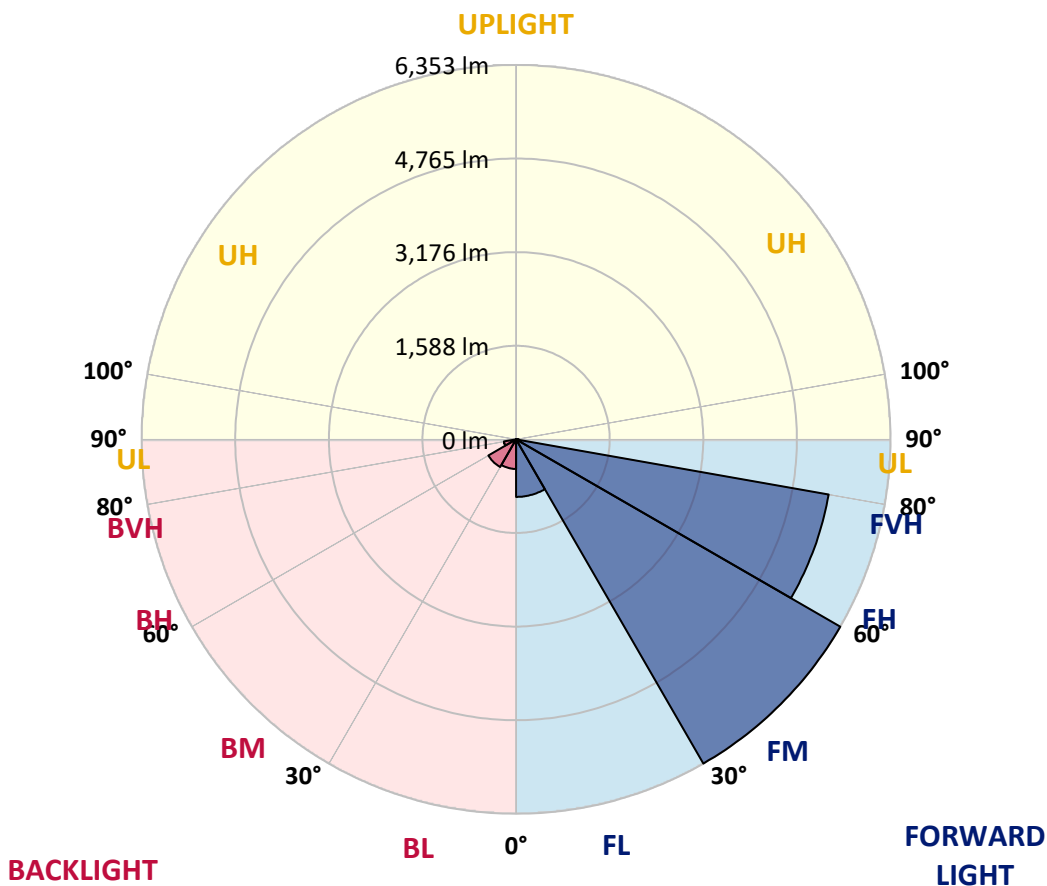
REPORT NUMBER: P639382

CATALOG NUMBER: GWS-SA5B-760-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.2	7.0			
FM (30°-60°)	6352.9	45.3			
FH (60°-80°)	5386.5	38.4			G3/7500
FVH (80°-90°)	47.2	0.3			G1/100
BL (0°-30°)	501.6	3.6	B2/1000		
BM (30°-60°)	542.5	3.9	B1/1000		
BH (60°-80°)	210.1	1.5	B1/500		G1/500
BVH (80°-90°)	5.3	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: P639382

CATALOG NUMBER: GWS-SA5B-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5
2.5°	2353.9	2350.0	2352.6	2371.9	2407.8	2424.5	2452.8	2457.9	2481.0	2510.6	2522.1
5°	2201.1	2188.2	2194.7	2221.6	2262.7	2308.9	2361.6	2375.7	2433.5	2499.0	2547.8
7.5°	2061.1	2047.0	2062.4	2104.8	2162.6	2212.6	2291.0	2300.0	2392.4	2508.0	2596.6
10°	1841.5	1845.4	1876.2	1950.7	2039.3	2143.3	2248.6	2261.4	2375.7	2537.5	2674.9
12.5°	1673.3	1664.3	1697.7	1782.4	1907.0	2058.5	2216.5	2233.2	2377.0	2582.5	2775.1
15°	1594.9	1592.4	1606.5	1668.1	1788.9	1967.4	2187.0	2208.8	2393.7	2623.6	2870.1
17.5°	1597.5	1593.7	1592.4	1628.3	1718.2	1899.3	2154.8	2183.1	2407.8	2668.5	2970.3
20°	1709.2	1691.3	1659.2	1642.5	1696.4	1855.6	2133.0	2165.1	2428.4	2716.0	3076.9
22.5°	1943.0	1949.4	1863.3	1773.4	1747.8	1860.8	2130.4	2167.7	2473.3	2790.5	3207.9
25°	2410.4	2400.1	2240.9	2039.3	1899.3	1919.8	2175.4	2220.3	2561.9	2897.1	3331.2
27.5°	2996.0	3005.0	2786.7	2465.6	2172.8	2041.8	2257.6	2302.5	2664.7	2963.9	3413.3
30°	3634.2	3625.2	3391.5	3035.8	2560.6	2244.7	2339.8	2379.6	2716.0	2999.8	3498.1
32.5°	4237.8	4217.2	3986.1	3613.7	3055.1	2564.5	2452.8	2475.9	2784.1	3078.2	3612.4
35°	4752.7	4751.5	4549.8	4153.0	3563.6	2965.2	2646.7	2665.9	2911.2	3202.7	3780.6
37.5°	5284.4	5266.4	5040.4	4678.3	4086.2	3404.3	2943.3	2935.6	3111.6	3386.4	3987.4
40°	5721.0	5709.4	5536.1	5188.1	4629.5	3889.8	3302.9	3279.8	3349.1	3640.6	4275.0
42.5°	6044.6	6045.9	5992.0	5780.1	5204.8	4451.0	3754.9	3719.0	3717.7	4024.6	4655.1
45°	6289.9	6306.6	6387.5	6355.4	5884.1	5104.6	4334.1	4296.9	4233.9	4522.9	5090.5
47.5°	6404.2	6426.0	6670.0	6798.4	6478.7	5753.1	5023.7	4945.4	4822.1	5185.5	5577.2
50°	6392.6	6431.2	6771.5	7161.8	7018.0	6410.6	5774.9	5737.7	5536.1	5886.7	6058.7
52.5°	6130.7	6212.8	6777.9	7382.7	7432.8	7016.7	6551.9	6482.5	6384.9	6618.6	6510.8
55°	5419.2	5519.4	6506.9	7453.4	7756.4	7545.8	7312.1	7255.6	7093.8	7309.5	6905.0
57.5°	5032.7	5118.7	5936.7	7418.7	8031.2	8035.1	7988.9	7942.6	7809.1	7992.7	7367.3
60°	4800.2	4886.3	5632.4	7291.6	8280.4	8551.3	8624.5	8619.4	8426.8	8769.6	7909.2
62.5°	4459.9	4578.1	5315.2	6961.5	8457.6	9059.9	9280.7	9246.1	9031.6	9578.7	8446.0
65°	3772.9	3875.6	4665.4	6417.0	8353.6	9481.1	9992.2	10010.2	9762.3	10340.2	8869.8
67.5°	2645.4	2721.2	3505.8	5274.1	7647.3	9619.8	10720.3	10719.0	10296.5	10730.6	8682.3
70°	1533.3	1637.3	2071.4	3260.5	5949.6	8989.2	10829.5	10866.7	10079.5	9915.1	7185.0
72.5°	593.3	679.3	1173.7	1732.4	3102.6	6885.8	9315.4	9424.6	8435.8	7648.6	5000.6
75°	177.2	197.8	552.2	922.0	1245.7	3326.0	6306.6	6337.4	5786.5	4770.7	2563.2
77.5°	132.3	146.4	241.4	466.2	436.6	1008.1	3263.1	3563.6	3071.7	1704.1	706.3
80°	89.9	106.6	172.1	227.3	161.8	268.4	916.9	1006.8	937.4	382.7	177.2
82.5°	39.8	51.4	122.0	114.3	59.1	77.1	282.5	300.5	193.9	115.6	61.6
85°	3.9	5.1	46.2	50.1	21.8	18.0	59.1	59.1	42.4	39.8	25.7
87.5°	0.0	0.0	1.3	2.6	2.6	3.9	5.1	6.4	7.7	10.3	12.8
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: P639382

CATALOG NUMBER: GWS-SA5B-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5	2528.5
2.5°	2551.7	2536.2	2555.5	2570.9	2574.8	2546.5	2529.8	2505.4	2500.3	2501.6	2495.2
5°	2586.3	2578.6	2592.8	2576.1	2532.4	2450.2	2379.6	2301.2	2258.9	2234.5	2231.9
7.5°	2650.5	2646.7	2631.3	2555.5	2419.4	2237.0	2061.1	1889.0	1782.4	1743.9	1737.5
10°	2745.6	2737.9	2674.9	2495.2	2204.9	1854.3	1559.0	1312.4	1162.2	1118.5	1064.6
12.5°	2854.7	2839.3	2701.9	2365.5	1881.3	1395.9	1027.3	751.2	621.5	583.0	583.0
15°	2960.0	2926.6	2686.5	2151.0	1483.2	907.9	574.0	434.1	394.2	384.0	384.0
17.5°	3067.9	3003.7	2626.1	1858.2	1024.8	536.8	382.7	355.7	350.6	351.9	353.1
20°	3169.3	3069.2	2519.6	1506.3	653.6	375.0	342.9	336.5	333.9	336.5	335.2
22.5°	3279.8	3129.5	2357.7	1122.4	425.1	337.7	326.2	321.0	318.5	322.3	322.3
25°	3388.9	3173.2	2143.3	755.1	337.7	314.6	308.2	303.1	300.5	301.8	301.8
27.5°	3445.4	3156.5	1862.1	481.6	303.1	291.5	285.1	278.7	274.8	273.5	274.8
30°	3484.0	3105.1	1517.9	342.9	274.8	260.7	254.3	249.1	238.9	232.4	235.0
32.5°	3544.3	3053.8	1144.2	287.7	251.7	229.9	219.6	206.8	192.6	186.2	186.2
35°	3616.2	2983.1	802.6	259.4	227.3	204.2	184.9	163.1	146.4	141.3	141.3
37.5°	3711.3	2916.4	534.2	240.1	206.8	182.4	155.4	129.7	111.7	109.2	107.9
40°	3853.8	2859.9	376.3	226.0	188.8	159.2	127.1	100.2	87.3	83.5	83.5
42.5°	4038.7	2802.1	297.9	211.9	173.4	137.4	101.4	79.6	69.3	66.8	65.5
45°	4267.3	2734.0	259.4	199.0	158.0	114.3	80.9	66.8	59.1	56.5	56.5
47.5°	4515.2	2641.5	241.4	182.4	140.0	92.5	68.1	57.8	53.9	52.7	51.4
50°	4759.2	2517.0	226.0	166.9	119.4	75.8	59.1	52.7	50.1	48.8	48.8
52.5°	4972.3	2371.9	206.8	149.0	97.6	65.5	52.7	48.8	46.2	43.7	42.4
55°	5154.7	2213.9	182.4	128.4	79.6	57.8	48.8	44.9	42.4	39.8	38.5
57.5°	5389.7	2124.0	146.4	104.0	65.5	51.4	44.9	41.1	38.5	34.7	34.7
60°	5650.4	2058.5	109.2	82.2	56.5	47.5	41.1	37.2	34.7	30.8	30.8
62.5°	5859.7	1960.9	86.0	66.8	48.8	42.4	37.2	33.4	30.8	27.0	27.0
65°	5939.3	1759.3	70.6	52.7	39.8	37.2	33.4	30.8	27.0	23.1	23.1
67.5°	5579.7	1356.1	59.1	42.4	33.4	32.1	29.5	28.3	23.1	20.5	19.3
70°	4418.8	827.0	48.8	34.7	28.3	27.0	27.0	24.4	20.5	19.3	18.0
72.5°	3028.1	426.3	39.8	28.3	24.4	24.4	23.1	21.8	19.3	18.0	18.0
75°	1573.1	142.5	30.8	21.8	19.3	20.5	20.5	19.3	18.0	18.0	16.7
77.5°	450.7	64.2	23.1	16.7	15.4	15.4	16.7	16.7	16.7	15.4	15.4
80°	116.9	37.2	16.7	12.8	12.8	12.8	12.8	14.1	15.4	14.1	14.1
82.5°	47.5	20.5	11.6	10.3	10.3	10.3	10.3	11.6	12.8	12.8	12.8
85°	29.5	10.3	9.0	9.0	9.0	7.7	7.7	9.0	9.0	10.3	10.3
87.5°	18.0	7.7	7.7	7.7	7.7	6.4	6.4	6.4	6.4	6.4	6.4
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)