

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: P633937

Luminaire Tested: GWS-SA2F-760-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633937
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-SA2F-760-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12812.4 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

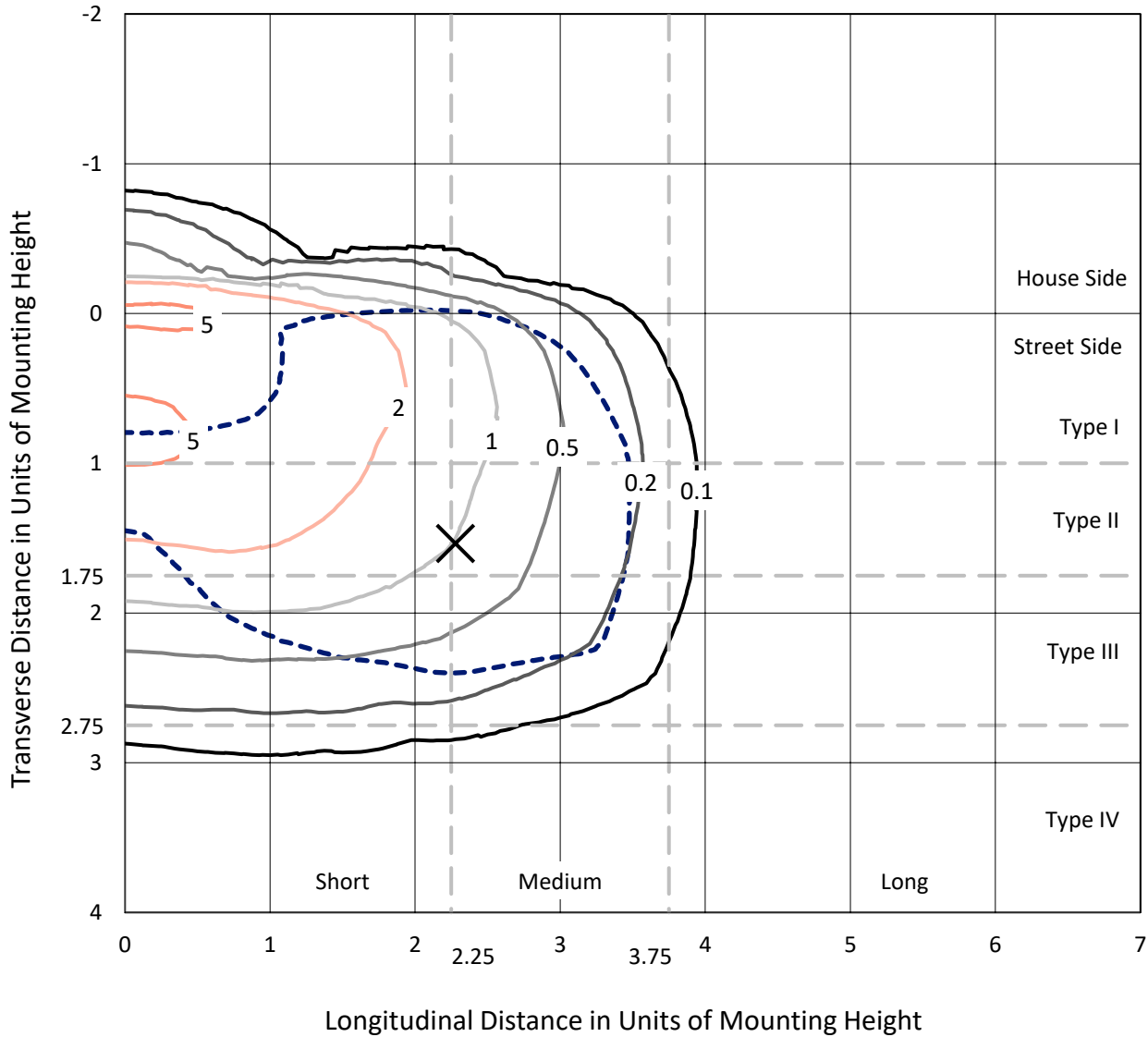
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633937
 CATALOG NUMBER: GWS-SA2F-760-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

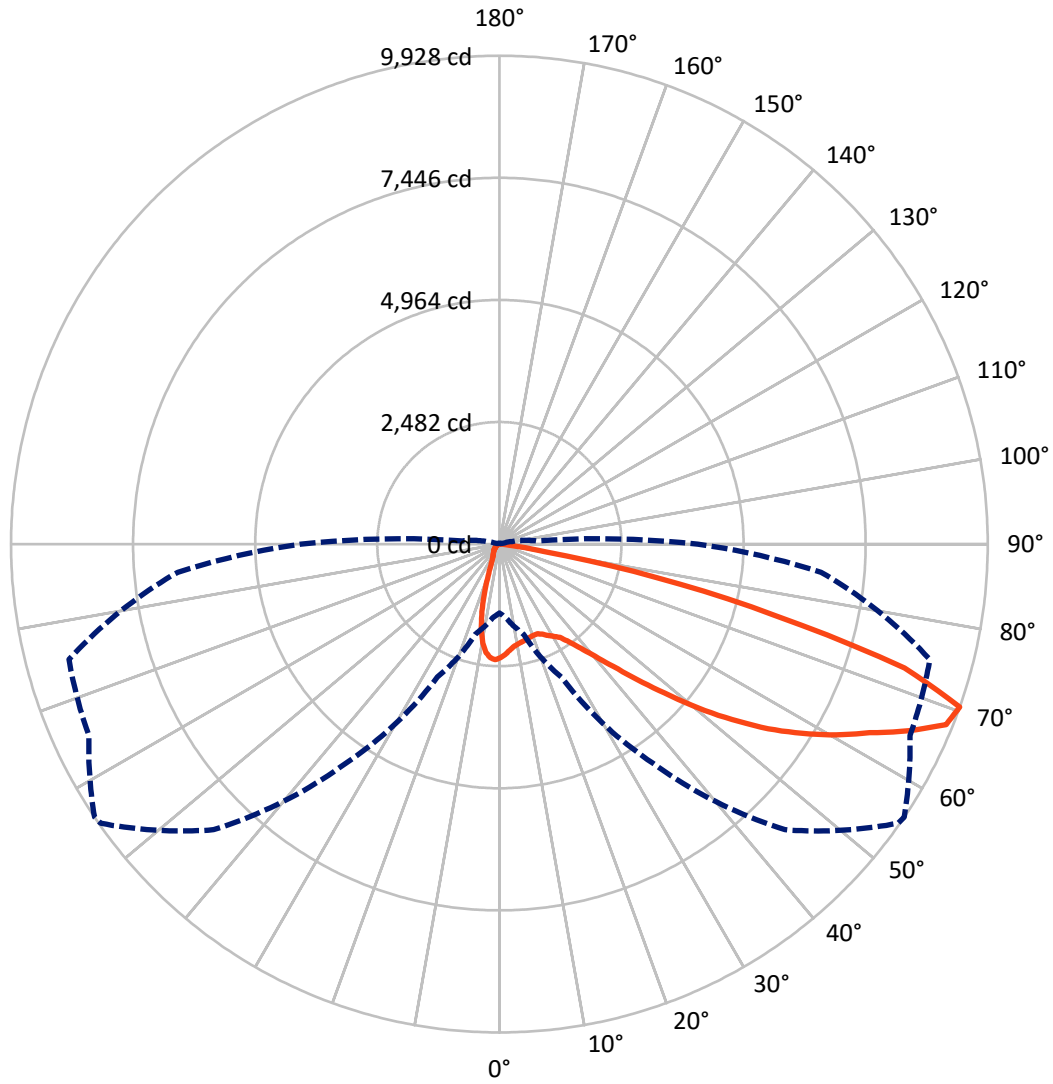
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P633937
CATALOG NUMBER: GWS-SA2F-760-U-T3R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633937
 CATALOG NUMBER: GWS-SA2F-760-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1150.8	0.0	1150.8
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	11661.6	0.0	11661.6
	% Fixture	91.0	0.0	91.0
Total	Lumens	12812.4	0.0	12812.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.3	1.5
10°-20°	446.1	3.5
20°-30°	706.6	5.5
30°-40°	1218.6	9.5
40°-50°	2057.8	16.1
50°-60°	3023.6	23.6
60°-70°	3584.6	28.0
70°-80°	1528.6	11.9
80°-90°	48.0	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°	12812.4	100.0
0°-180°	12812.4	100.0

Coefficient of Utilization



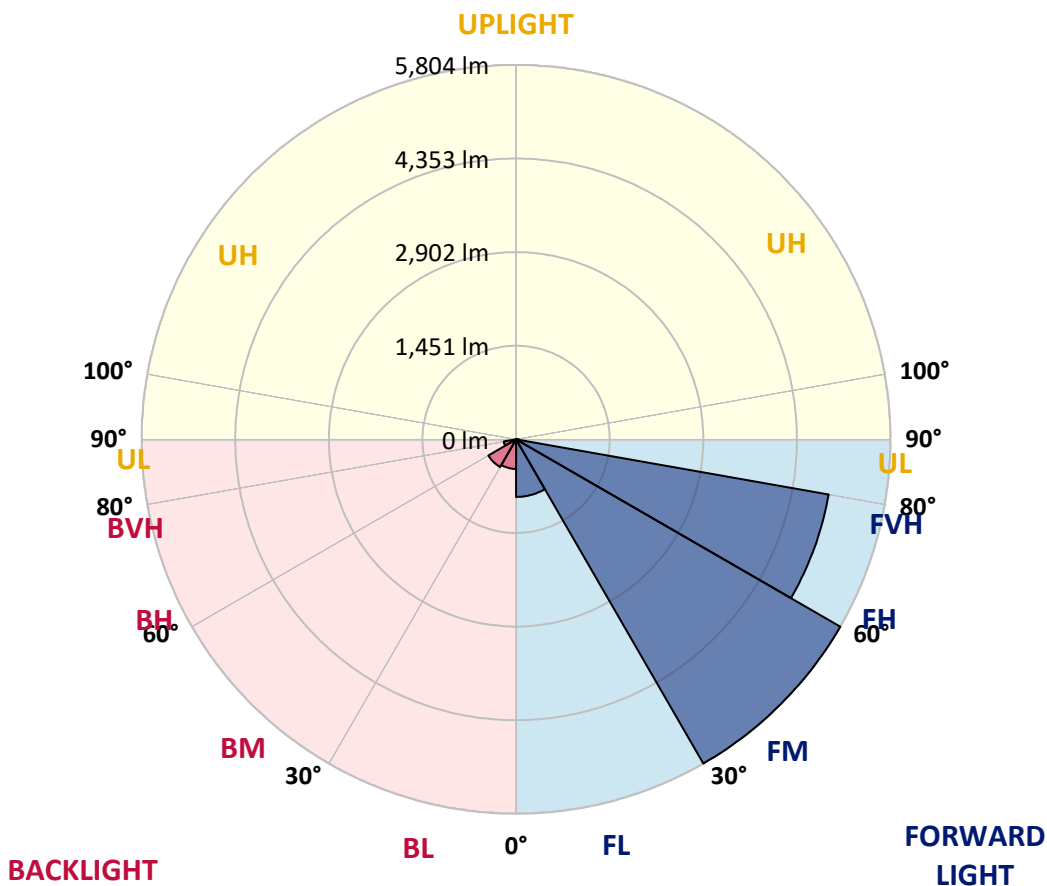
REPORT NUMBER: P633937

CATALOG NUMBER: GWS-SA2F-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°)	892.8	7.0			
FM (30°-60°)	5804.4	45.3			
FH (60°-80°)	4921.3	38.4			G2/5000
FVH (80°-90°)	43.1	0.3			G1/100
BL (0°-30°)	458.3	3.6	B1/500		
BM (30°-60°)	495.7	3.9	B1/1000		
BH (60°-80°)	191.9	1.5	B1/500		G1/500
BVH (80°-90°)	4.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





REPORT NUMBER: P633937

CATALOG NUMBER: GWS-SA2F-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2
2.5°	2150.6	2147.1	2149.5	2167.1	2199.9	2215.2	2241.0	2245.7	2266.8	2293.8	2304.3
5°	2011.0	1999.3	2005.1	2029.8	2067.3	2109.6	2157.7	2170.6	2223.4	2283.2	2327.8
7.5°	1883.1	1870.2	1884.3	1923.0	1975.8	2021.6	2093.1	2101.4	2185.8	2291.4	2372.4
10°	1682.5	1686.0	1714.2	1782.2	1863.2	1958.2	2054.4	2066.2	2170.6	2318.4	2444.0
12.5°	1528.8	1520.6	1551.1	1628.5	1742.3	1880.8	2025.1	2040.3	2171.8	2359.5	2535.5
15°	1457.2	1454.9	1467.8	1524.1	1634.4	1797.5	1998.1	2018.1	2187.0	2397.0	2622.3
17.5°	1459.6	1456.1	1454.9	1487.7	1569.9	1735.3	1968.8	1994.6	2199.9	2438.1	2713.8
20°	1561.6	1545.2	1515.9	1500.6	1549.9	1695.4	1948.8	1978.2	2218.7	2481.5	2811.2
22.5°	1775.2	1781.1	1702.4	1620.3	1596.8	1700.1	1946.5	1980.5	2259.8	2549.6	2930.9
25°	2202.3	2192.9	2047.4	1863.2	1735.3	1754.1	1987.6	2028.6	2340.7	2646.9	3043.5
27.5°	2737.3	2745.5	2546.0	2252.7	1985.2	1865.5	2062.6	2103.7	2434.6	2707.9	3118.6
30°	3320.4	3312.2	3098.7	2773.7	2339.5	2050.9	2137.7	2174.1	2481.5	2740.8	3196.0
32.5°	3871.9	3853.1	3641.9	3301.6	2791.3	2343.1	2241.0	2262.1	2543.7	2812.4	3300.5
35°	4342.3	4341.2	4157.0	3794.4	3255.9	2709.1	2418.1	2435.7	2659.8	2926.2	3454.2
37.5°	4828.1	4811.7	4605.2	4274.3	3733.4	3110.4	2689.2	2682.1	2842.9	3094.0	3643.1
40°	5227.0	5216.4	5058.0	4740.1	4229.7	3553.9	3017.7	2996.6	3059.9	3326.3	3905.9
42.5°	5522.7	5523.8	5474.6	5281.0	4755.3	4066.6	3430.7	3397.8	3396.7	3677.1	4253.2
45°	5746.8	5762.0	5835.9	5806.6	5376.0	4663.8	3959.8	3925.8	3868.3	4132.3	4650.9
47.5°	5851.2	5871.1	6094.1	6211.4	5919.2	5256.3	4589.9	4518.3	4405.7	4737.7	5095.6
50°	5840.6	5875.8	6186.7	6543.4	6412.0	5857.1	5276.3	5242.3	5058.0	5378.4	5535.6
52.5°	5601.3	5676.4	6192.6	6745.2	6791.0	6410.8	5986.1	5922.8	5833.6	6047.1	5948.6
55°	4951.3	5042.8	5945.1	6809.8	7086.7	6894.2	6680.7	6629.1	6481.2	6678.4	6308.8
57.5°	4598.1	4676.7	5424.1	6778.1	7337.7	7341.3	7299.0	7256.8	7134.8	7302.5	6731.2
60°	4385.8	4464.4	5146.0	6661.9	7565.4	7812.9	7879.8	7875.1	7699.1	8012.4	7226.3
62.5°	4074.8	4182.8	4856.2	6360.4	7727.3	8277.5	8479.4	8447.7	8251.7	8751.6	7716.7
65°	3447.1	3541.0	4262.6	5862.9	7632.2	8662.4	9129.4	9145.8	8919.3	9447.3	8103.9
67.5°	2417.0	2486.2	3203.1	4818.7	6986.9	8789.1	9794.6	9793.4	9407.4	9804.0	7932.6
70°	1400.9	1495.9	1892.5	2979.0	5435.8	8213.0	9894.3	9928.4	9209.1	9059.0	6564.5
72.5°	542.1	620.7	1072.4	1582.8	2834.7	6291.2	8511.0	8610.8	7707.3	6988.1	4568.8
75°	161.9	180.7	504.5	842.4	1138.1	3038.8	5762.0	5790.2	5286.8	4358.8	2341.9
77.5°	120.8	133.8	220.6	425.9	398.9	921.0	2981.3	3255.9	2806.5	1557.0	645.3
80°	82.1	97.4	157.2	207.7	147.8	245.2	837.7	919.9	856.5	349.6	161.9
82.5°	36.4	46.9	111.5	104.4	54.0	70.4	258.1	274.5	177.2	105.6	56.3
85°	3.5	4.7	42.2	45.8	19.9	16.4	54.0	54.0	38.7	36.4	23.5
87.5°	0.0	0.0	1.2	2.3	2.3	3.5	4.7	5.9	7.0	9.4	11.7
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: P633937

CATALOG NUMBER: GWS-SA2F-760-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2	2310.2
2.5°	2331.3	2317.2	2334.8	2348.9	2352.4	2326.6	2311.4	2289.1	2284.4	2285.6	2279.7
5°	2363.0	2356.0	2368.9	2353.6	2313.7	2238.6	2174.1	2102.5	2063.8	2041.5	2039.2
7.5°	2421.7	2418.1	2404.1	2334.8	2210.5	2043.9	1883.1	1725.9	1628.5	1593.3	1587.5
10°	2508.5	2501.5	2444.0	2279.7	2014.5	1694.2	1424.4	1199.1	1061.8	1021.9	972.7
12.5°	2608.2	2594.1	2468.6	2161.2	1718.9	1275.4	938.6	686.4	567.9	532.7	532.7
15°	2704.4	2673.9	2454.5	1965.3	1355.1	829.5	524.5	396.6	360.2	350.8	350.8
17.5°	2803.0	2744.3	2399.4	1697.7	936.3	490.4	349.6	325.0	320.3	321.5	322.7
20°	2895.7	2804.2	2302.0	1376.3	597.2	342.6	313.3	307.4	305.1	307.4	306.2
22.5°	2996.6	2859.3	2154.2	1025.5	388.4	308.6	298.0	293.3	291.0	294.5	294.5
25°	3096.3	2899.2	1958.2	689.9	308.6	287.5	281.6	276.9	274.5	275.7	275.7
27.5°	3147.9	2883.9	1701.3	440.0	276.9	266.3	260.5	254.6	251.1	249.9	251.1
30°	3183.1	2837.0	1386.8	313.3	251.1	238.2	232.3	227.6	218.2	212.4	214.7
32.5°	3238.3	2790.1	1045.4	262.8	230.0	210.0	200.6	188.9	176.0	170.1	170.1
35°	3304.0	2725.5	733.3	237.0	207.7	186.6	169.0	149.0	133.8	129.1	129.1
37.5°	3390.8	2664.5	488.1	219.4	188.9	166.6	142.0	118.5	102.1	99.7	98.6
40°	3521.0	2612.9	343.8	206.5	172.5	145.5	116.2	91.5	79.8	76.3	76.3
42.5°	3690.0	2560.1	272.2	193.6	158.4	125.5	92.7	72.7	63.4	61.0	59.8
45°	3898.8	2497.9	237.0	181.9	144.3	104.4	73.9	61.0	54.0	51.6	51.6
47.5°	4125.3	2413.5	220.6	166.6	127.9	84.5	62.2	52.8	49.3	48.1	46.9
50°	4348.2	2299.6	206.5	152.5	109.1	69.2	54.0	48.1	45.8	44.6	44.6
52.5°	4543.0	2167.1	188.9	136.1	89.2	59.8	48.1	44.6	42.2	39.9	38.7
55°	4709.6	2022.7	166.6	117.3	72.7	52.8	44.6	41.1	38.7	36.4	35.2
57.5°	4924.3	1940.6	133.8	95.0	59.8	46.9	41.1	37.5	35.2	31.7	31.7
60°	5162.5	1880.8	99.7	75.1	51.6	43.4	37.5	34.0	31.7	28.2	28.2
62.5°	5353.7	1791.6	78.6	61.0	44.6	38.7	34.0	30.5	28.2	24.6	24.6
65°	5426.5	1607.4	64.5	48.1	36.4	34.0	30.5	28.2	24.6	21.1	21.1
67.5°	5097.9	1239.0	54.0	38.7	30.5	29.3	27.0	25.8	21.1	18.8	17.6
70°	4037.3	755.6	44.6	31.7	25.8	24.6	24.6	22.3	18.8	17.6	16.4
72.5°	2766.6	389.5	36.4	25.8	22.3	22.3	21.1	19.9	17.6	16.4	16.4
75°	1437.3	130.2	28.2	19.9	17.6	18.8	18.8	17.6	16.4	16.4	15.3
77.5°	411.8	58.7	21.1	15.3	14.1	14.1	15.3	15.3	15.3	14.1	14.1
80°	106.8	34.0	15.3	11.7	11.7	11.7	11.7	12.9	14.1	12.9	12.9
82.5°	43.4	18.8	10.6	9.4	9.4	9.4	9.4	10.6	11.7	11.7	11.7
85°	27.0	9.4	8.2	8.2	8.2	7.0	7.0	8.2	8.2	9.4	9.4
87.5°	16.4	7.0	7.0	7.0	7.0	5.9	5.9	5.9	5.9	5.9	5.9
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)