

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: P643829

Luminaire Tested: GWS-SA6F-760-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643829
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-14)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-760-U-T2R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40495.7 lumens
Efficiency: N/A
Efficacy: 108.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G4

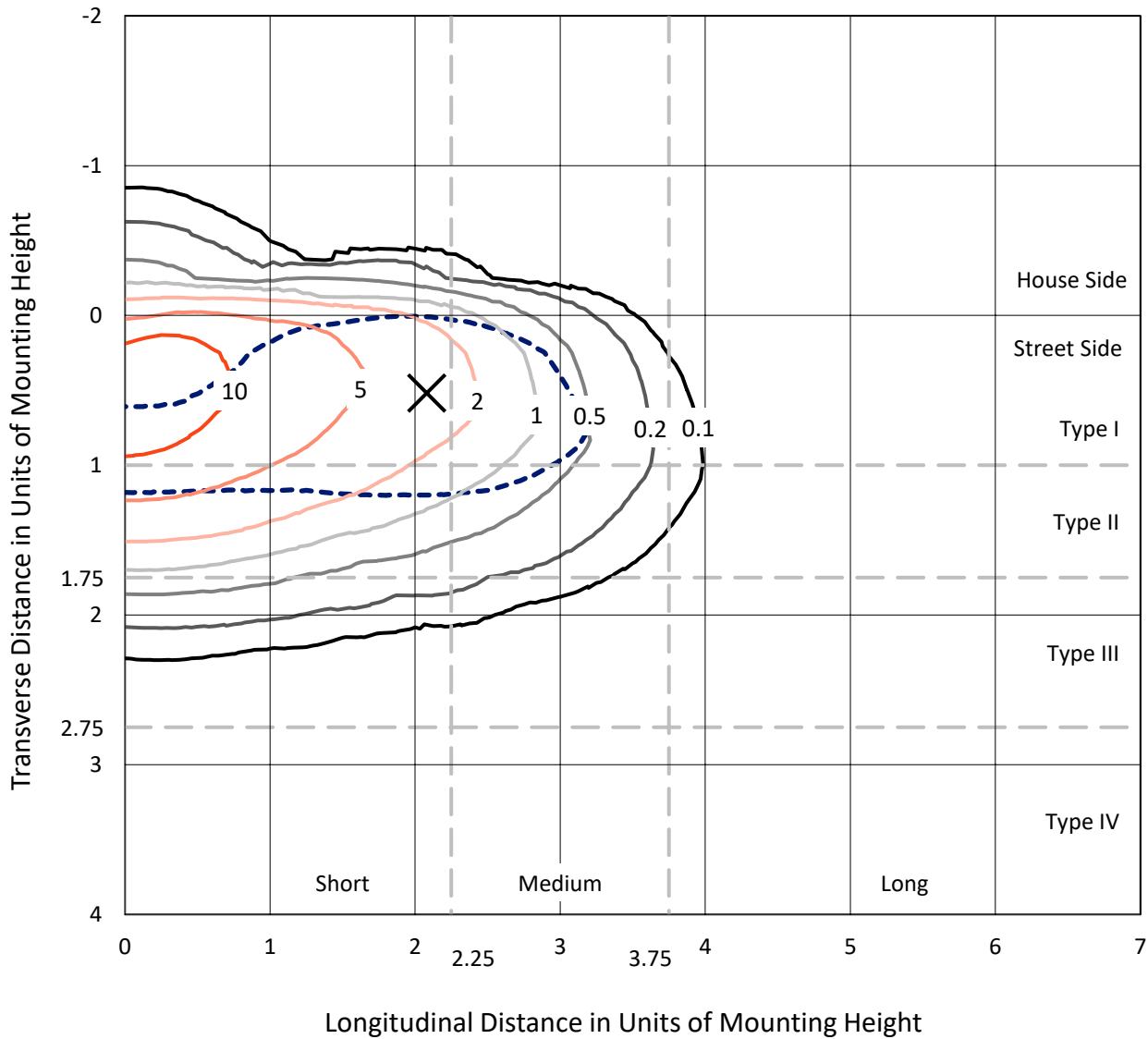
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643829
 CATALOG NUMBER: GWS-SA6F-760-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

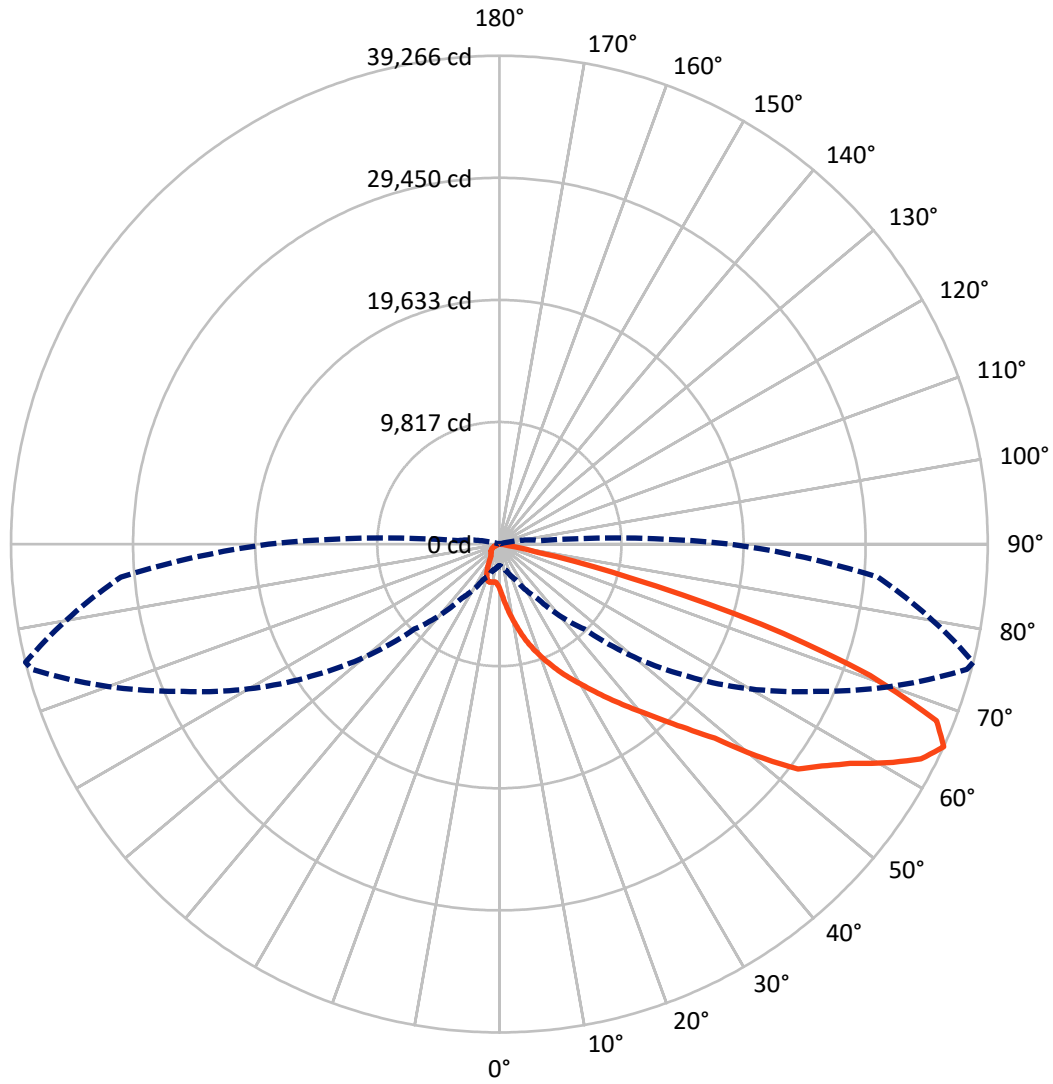
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.5 fc
 Type II - Short - N/A

REPORT NUMBER: P643829
CATALOG NUMBER: GWS-SA6F-760-U-T2R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P643829
 CATALOG NUMBER: GWS-SA6F-760-U-T2R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2239.2	0.0	2239.2
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	38256.5	0.0	38256.5
	% Fixture	94.5	0.0	94.5
Total	Lumens	40495.7	0.0	40495.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	436.2	1.1
10°-20°	1655.1	4.1
20°-30°	3376.6	8.3
30°-40°	6005.3	14.8
40°-50°	8877.3	21.9
50°-60°	10163.8	25.1
60°-70°	7754.5	19.1
70°-80°	2172.2	5.4
80°-90°	54.7	0.1
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°	40495.7	100.0
0°-180°	40495.7	100.0

Coefficient of Utilization

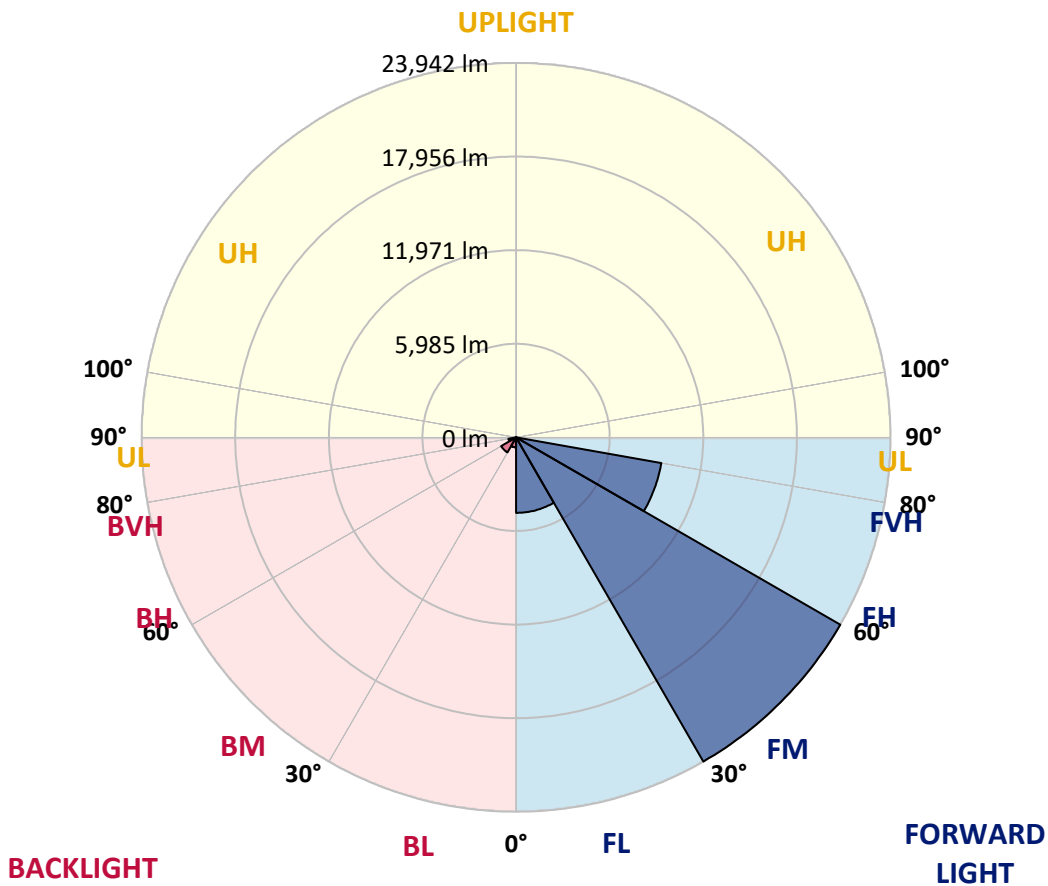


REPORT NUMBER: P643829
 CATALOG NUMBER: GWS-SA6F-760-U-T2R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4828.8	11.9			
FM (30°-60°)	23941.7	59.1			
FH (60°-80°)	9434.5	23.3			G4/12000
FVH (80°-90°)	51.5	0.1			G1/100
BL (0°-30°)	639.0	1.6	B2/1000		
BM (30°-60°)	1104.8	2.7	B2/2500		
BH (60°-80°)	492.2	1.2	B1/500		G1/500
BVH (80°-90°)	3.2	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-G4
 Type II Short





REPORT NUMBER: P643829

CATALOG NUMBER: GWS-SA6F-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3
2.5°	5525.6	5608.4	5543.6	5435.6	5226.8	5025.2	4766.1	4409.7	4125.3	4089.3	3822.9
5°	7462.3	7455.1	7314.7	7174.3	6954.7	6609.1	6087.2	5424.8	4787.7	4733.7	4136.1
7.5°	8614.2	8625.0	8545.8	8437.8	8221.8	7865.4	7321.9	6522.7	5590.4	5482.4	4564.5
10°	9582.5	9578.9	9521.3	9470.9	9276.5	9039.0	8455.8	7577.5	6454.3	6285.2	5043.2
12.5°	10309.7	10334.9	10363.7	10414.1	10331.3	10097.3	9546.5	8589.0	7329.1	7141.9	5590.4
15°	10885.6	10892.8	11000.8	11195.2	11263.6	11141.2	10640.8	9568.1	8193.0	8031.0	6220.4
17.5°	11058.4	11072.8	11256.4	11612.8	11972.8	12041.1	11663.2	10554.5	9042.6	8869.8	6832.3
20°	11422.0	11454.4	11591.2	11904.4	12357.9	12725.1	12577.5	11551.6	9892.1	9665.3	7458.7
22.5°	12566.7	12584.7	12537.9	12577.5	12811.5	13236.3	13326.3	12516.3	10763.2	10522.1	8135.4
25°	14535.8	14543.0	14215.4	13905.8	13729.4	13808.6	14006.6	13405.5	11627.2	11389.6	8765.4
27.5°	16580.4	16605.6	16213.3	15687.7	15057.7	14697.8	14640.2	14219.0	12498.3	12235.5	9388.1
30°	18506.3	18506.3	18092.3	17451.6	16609.2	15907.3	15493.3	15039.7	13430.7	13142.7	10025.3
32.5°	20237.8	20223.4	19694.2	18999.5	18167.9	17397.6	16526.4	15896.5	14467.4	14147.0	10759.6
35°	21666.9	21630.9	21029.7	20363.8	19474.6	18902.3	17930.3	16818.0	15590.5	15270.1	11515.6
37.5°	22746.8	22707.2	22156.4	21450.9	20626.5	20255.8	19442.2	17923.1	16774.8	16483.2	12354.3
40°	23333.6	23254.4	22872.8	22347.2	21656.1	21332.1	20993.7	19294.6	18167.9	17804.3	13344.3
42.5°	23506.3	23412.7	23160.8	22916.0	22498.4	22242.8	22606.4	20842.5	19697.8	19384.6	14474.6
45°	22995.2	22941.2	22919.6	23096.0	23171.6	23243.6	24139.9	22556.0	21386.1	21148.5	15896.5
47.5°	21764.1	21749.7	21940.4	22674.8	23473.9	24233.5	25806.6	24669.1	23574.7	23319.2	17883.5
50°	19489.0	19636.6	20169.4	21458.1	23056.4	24795.0	27365.3	27599.2	27116.9	26742.5	20475.4
52.5°	15932.5	16216.9	17412.0	19370.2	21666.9	24636.7	28085.2	29946.3	30439.4	30050.7	22332.8
55°	12501.9	12768.3	13833.8	16317.6	19381.0	23430.7	28117.6	30756.2	31832.5	31472.6	23589.1
57.5°	9312.5	9557.3	10525.7	12901.5	16270.8	21058.5	27347.3	31206.2	33484.8	33254.4	25572.6
60°	6087.2	6328.4	7203.1	9280.1	12620.7	17602.8	25450.2	31112.6	35734.7	35713.1	28009.6
62.5°	3376.6	3567.3	4200.9	5820.8	8808.6	13632.2	22469.6	30173.1	37912.5	38049.3	30018.3
65°	1727.9	1850.3	2235.4	3200.2	5331.2	9665.3	18549.5	28020.4	38920.4	39266.0	30547.4
67.5°	1130.3	1169.9	1263.5	1663.1	2854.6	6080.0	13959.8	24568.3	37502.1	37905.3	28772.8
70°	917.9	950.3	1004.3	1108.7	1472.3	3229.0	9168.6	19622.2	31335.8	31609.4	22912.4
72.5°	673.2	716.3	820.7	889.1	1061.9	1771.1	4769.7	12879.9	21519.3	22001.6	14399.0
75°	496.8	522.0	608.4	702.0	867.5	1119.5	1825.1	6771.1	11112.4	10831.6	6047.6
77.5°	298.8	316.8	388.8	450.0	619.2	698.4	637.2	2501.8	3380.2	3178.6	1461.5
80°	147.6	165.6	255.6	338.4	396.0	280.8	266.4	698.4	752.3	752.3	367.2
82.5°	50.4	64.8	136.8	223.2	194.4	108.0	126.0	180.0	201.6	212.4	108.0
85°	0.0	0.0	32.4	64.8	28.8	14.4	32.4	39.6	50.4	54.0	36.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	10.8	14.4	14.4
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: P643829
 CATALOG NUMBER: GWS-SA6F-760-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3	3585.3
2.5°	3678.9	3509.8	3254.2	3023.8	2847.4	2681.8	2555.8	2455.0	2437.0	2379.4	2386.6
5°	3844.5	3538.5	3067.0	2703.4	2447.8	2275.0	2131.0	2023.1	1976.3	1929.5	1893.5
7.5°	4100.1	3657.3	2995.0	2552.2	2253.4	1987.1	1763.9	1583.9	1497.5	1443.5	1407.5
10°	4413.3	3822.9	2998.6	2462.2	2019.5	1612.7	1306.7	1108.7	1015.1	986.3	982.7
12.5°	4787.7	4031.7	3027.4	2314.6	1681.1	1198.7	968.3	878.3	849.5	824.3	824.3
15°	5183.6	4265.7	3027.4	2044.7	1281.5	935.9	838.7	781.1	745.1	730.7	723.5
17.5°	5601.2	4485.3	2955.4	1673.9	982.7	824.3	745.1	691.2	662.4	640.8	633.6
20°	6047.6	4694.1	2775.4	1281.5	842.3	737.9	662.4	608.4	579.6	558.0	558.0
22.5°	6501.1	4888.5	2483.8	986.3	745.1	655.2	583.2	532.8	504.0	482.4	482.4
25°	6922.3	5018.0	2109.5	813.5	673.2	583.2	518.4	468.0	435.6	421.2	414.0
27.5°	7314.7	5100.8	1695.5	716.3	604.8	522.0	453.6	406.8	381.6	370.8	363.6
30°	7721.5	5122.4	1295.9	651.6	547.2	460.8	396.0	360.0	338.4	324.0	324.0
32.5°	8117.4	5097.2	989.9	597.6	496.8	406.8	352.8	320.4	302.4	291.6	288.0
35°	8520.6	4982.0	802.7	550.8	446.4	356.4	313.2	288.0	277.2	262.8	262.8
37.5°	8959.8	4827.3	698.4	504.0	396.0	320.4	280.8	262.8	248.4	237.6	234.0
40°	9506.9	4647.3	640.8	464.4	349.2	288.0	252.0	234.0	223.2	212.4	208.8
42.5°	10154.9	4470.9	612.0	421.2	313.2	255.6	226.8	205.2	194.4	180.0	176.4
45°	11072.8	4431.3	579.6	374.4	280.8	230.4	198.0	176.4	162.0	151.2	147.6
47.5°	12548.7	4542.9	525.6	324.0	248.4	201.6	169.2	151.2	133.2	122.4	115.2
50°	14013.8	4514.1	471.6	280.8	219.6	172.8	144.0	126.0	108.0	97.2	93.6
52.5°	14813.0	4377.3	421.2	248.4	190.8	147.6	122.4	100.8	90.0	79.2	75.6
55°	15536.5	4323.3	370.8	216.0	162.0	129.6	100.8	82.8	75.6	64.8	61.2
57.5°	16954.8	4449.3	327.6	187.2	140.4	111.6	86.4	68.4	61.2	50.4	46.8
60°	18437.9	4463.7	280.8	162.0	122.4	93.6	68.4	54.0	46.8	36.0	32.4
62.5°	19211.8	4100.1	230.4	136.8	100.8	79.2	57.6	43.2	36.0	21.6	21.6
65°	18563.9	3315.4	194.4	111.6	79.2	61.2	43.2	32.4	21.6	10.8	3.6
67.5°	16429.2	2357.8	162.0	90.0	57.6	43.2	32.4	21.6	3.6	0.0	0.0
70°	12030.3	1346.3	126.0	64.8	43.2	28.8	21.6	10.8	0.0	0.0	0.0
72.5°	7393.9	719.9	93.6	43.2	32.4	21.6	18.0	7.2	0.0	0.0	0.0
75°	2804.2	345.6	57.6	28.8	25.2	18.0	10.8	3.6	0.0	0.0	0.0
77.5°	759.5	169.2	32.4	21.6	18.0	10.8	7.2	0.0	0.0	0.0	0.0
80°	198.0	79.2	21.6	14.4	10.8	7.2	0.0	0.0	0.0	0.0	0.0
82.5°	68.4	36.0	10.8	10.8	7.2	3.6	0.0	0.0	0.0	0.0	0.0
85°	28.8	14.4	7.2	7.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.8	3.6	3.6	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0
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)