

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: P642509

Luminaire Tested: GWS-SA6D-722-U-T2R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642509
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-SA6D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21279.9 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

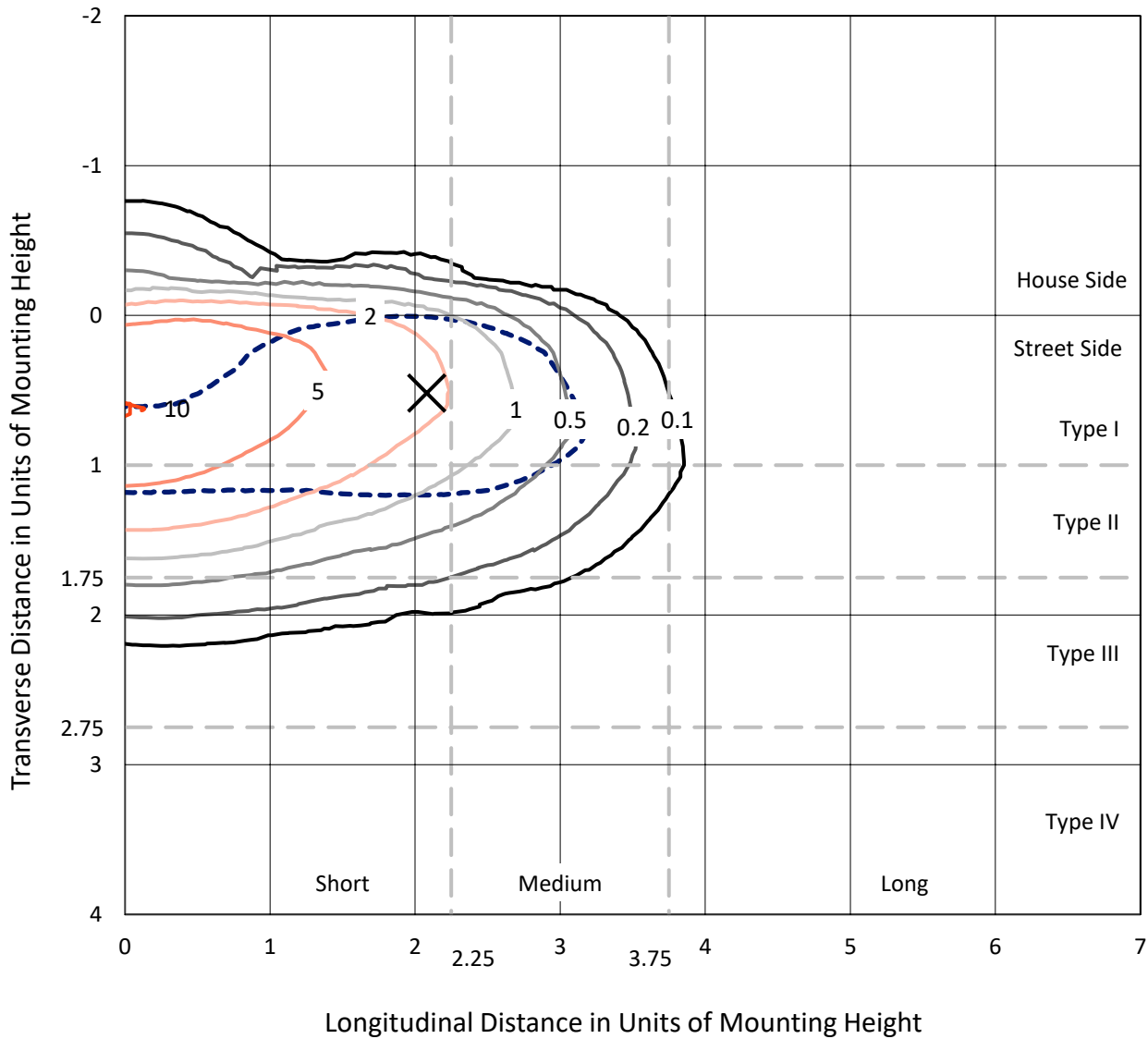
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642509
 CATALOG NUMBER: GWS-SA6D-722-U-T2R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

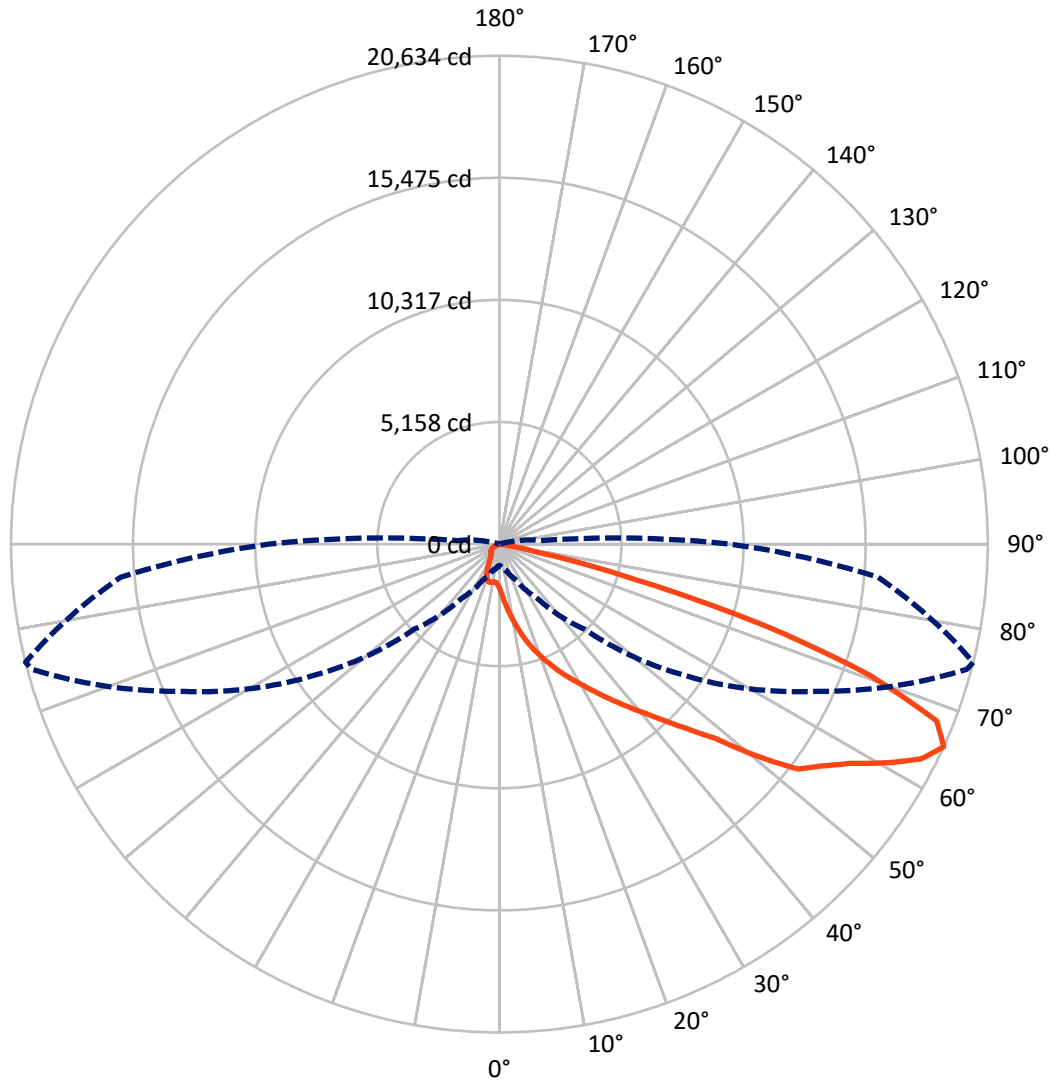
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc
 Type II - Short - N/A

REPORT NUMBER: P642509
CATALOG NUMBER: GWS-SA6D-722-U-T2R-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P642509
 CATALOG NUMBER: GWS-SA6D-722-U-T2R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1176.6	0.0	1176.6
	% Fixture	5.5	0.0	5.5
Street Side	Lumens	20103.2	0.0	20103.2
	% Fixture	94.5	0.0	94.5
Total	Lumens	21279.9	0.0	21279.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.2	1.1
10°-20°	869.7	4.1
20°-30°	1774.3	8.3
30°-40°	3155.7	14.8
40°-50°	4664.9	21.9
50°-60°	5340.9	25.1
60°-70°	4074.9	19.1
70°-80°	1141.5	5.4
80°-90°	28.7	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°	21279.9	100.0
0°-180°	21279.9	100.0

Coefficient of Utilization



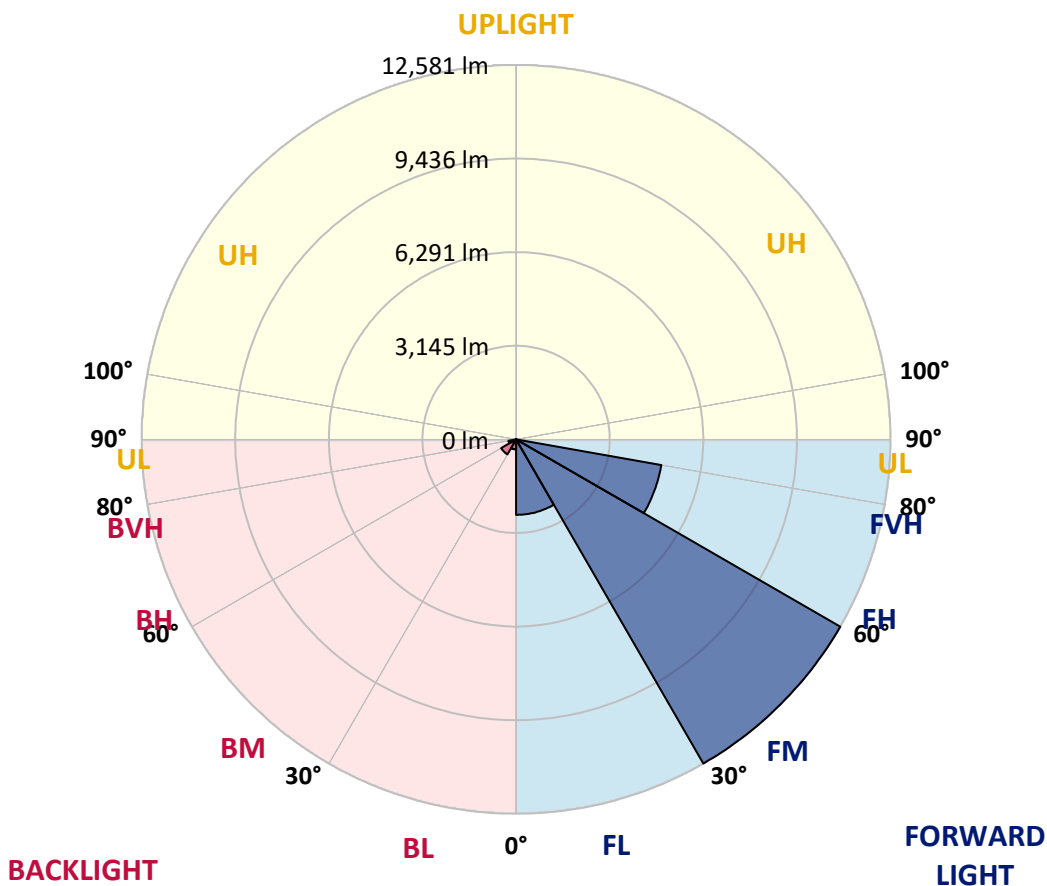
REPORT NUMBER: P642509

CATALOG NUMBER: GWS-SA6D-722-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°)	2537.5	11.9			
FM (30°-60°)	12581.0	59.1			
FH (60°-80°)	4957.7	23.3			G2/5000
FVH (80°-90°)	27.1	0.1			G1/100
BL (0°-30°)	335.8	1.6	B1/500		
BM (30°-60°)	580.5	2.7	B1/1000		
BH (60°-80°)	258.7	1.2	B1/500		G1/500
BVH (80°-90°)	1.7	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 II Short





REPORT NUMBER: P642509

CATALOG NUMBER: GWS-SA6D-722-U-T2R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0
2.5°	2903.6	2947.1	2913.1	2856.3	2746.6	2640.7	2504.5	2317.2	2167.8	2148.9	2008.9
5°	3921.3	3917.5	3843.8	3770.0	3654.6	3473.0	3198.7	2850.7	2515.8	2487.5	2173.5
7.5°	4526.6	4532.3	4490.7	4433.9	4320.4	4133.2	3847.5	3427.6	2937.7	2880.9	2398.6
10°	5035.5	5033.6	5003.3	4976.8	4874.7	4749.8	4443.4	3981.8	3391.7	3302.8	2650.2
12.5°	5417.6	5430.8	5446.0	5472.4	5428.9	5306.0	5016.6	4513.4	3851.3	3753.0	2937.7
15°	5720.2	5724.0	5780.8	5882.9	5918.9	5854.5	5591.6	5027.9	4305.3	4220.2	3268.7
17.5°	5811.0	5818.6	5915.1	6102.3	6291.5	6327.4	6128.8	5546.2	4751.7	4660.9	3590.3
20°	6002.1	6019.1	6091.0	6255.6	6493.9	6686.9	6609.3	6070.2	5198.2	5079.0	3919.4
22.5°	6603.6	6613.1	6588.5	6609.3	6732.3	6955.5	7002.8	6577.1	5655.9	5529.2	4275.0
25°	7638.3	7642.1	7470.0	7307.3	7214.6	7256.2	7360.3	7044.4	6109.9	5985.1	4606.1
27.5°	8712.8	8726.0	8519.8	8243.7	7912.6	7723.5	7693.2	7471.9	6567.7	6429.6	4933.3
30°	9724.8	9724.8	9507.3	9170.5	8727.9	8359.0	8141.5	7903.2	7057.6	6906.3	5268.1
32.5°	10634.7	10627.1	10349.0	9983.9	9547.0	9142.2	8684.4	8353.4	7602.4	7434.0	5654.0
35°	11385.6	11366.7	11050.8	10700.9	10233.6	9932.9	9422.1	8837.6	8192.6	8024.2	6051.3
37.5°	11953.1	11932.3	11642.9	11272.1	10838.9	10644.1	10216.6	9418.3	8814.9	8661.7	6492.0
40°	12261.4	12219.8	12019.3	11743.1	11379.9	11209.7	11031.9	10139.0	9547.0	9355.9	7012.2
42.5°	12352.2	12303.1	12170.6	12042.0	11822.6	11688.3	11879.3	10952.4	10350.9	10186.3	7606.2
45°	12083.6	12055.3	12043.9	12136.6	12176.3	12214.2	12685.2	11852.9	11238.1	11113.2	8353.4
47.5°	11436.7	11429.1	11529.4	11915.3	12335.2	12734.3	13561.0	12963.2	12388.2	12253.9	9397.5
50°	10241.2	10318.8	10598.7	11275.9	12115.8	13029.4	14380.0	14503.0	14249.5	14052.8	10759.5
52.5°	8372.3	8521.7	9149.7	10178.8	11385.6	12946.2	14758.4	15736.3	15995.5	15791.2	11735.6
55°	6569.6	6709.6	7269.5	8574.7	10184.4	12312.5	14775.4	16161.9	16727.5	16538.4	12395.7
57.5°	4893.6	5022.2	5531.1	6779.5	8550.1	11065.9	14370.6	16398.4	17595.8	17474.7	13438.0
60°	3198.7	3325.5	3785.1	4876.6	6632.0	9250.0	13373.7	16349.2	18778.0	18766.7	14718.6
62.5°	1774.3	1874.6	2207.5	3058.7	4628.8	7163.5	11807.5	15855.5	19922.5	19994.4	15774.2
65°	908.0	972.3	1174.7	1681.6	2801.5	5079.0	9747.5	14724.3	20452.1	20633.7	16052.2
67.5°	594.0	614.8	664.0	873.9	1500.0	3194.9	7335.7	12910.3	19706.8	19918.7	15119.7
70°	482.4	499.4	527.8	582.6	773.7	1696.8	4817.9	10311.2	16466.5	16610.3	12040.1
72.5°	353.7	376.4	431.3	467.2	558.0	930.7	2506.4	6768.2	11308.1	11561.5	7566.5
75°	261.0	274.3	319.7	368.9	455.9	588.3	959.0	3558.1	5839.4	5691.9	3177.9
77.5°	157.0	166.5	204.3	236.5	325.4	367.0	334.8	1314.7	1776.2	1670.3	768.0
80°	77.6	87.0	134.3	177.8	208.1	147.5	140.0	367.0	395.3	395.3	192.9
82.5°	26.5	34.0	71.9	117.3	102.1	56.7	66.2	94.6	105.9	111.6	56.7
85°	0.0	0.0	17.0	34.0	15.1	7.6	17.0	20.8	26.5	28.4	18.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	5.7	7.6	7.6
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: P642509

CATALOG NUMBER: GWS-SA6D-722-U-T2R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0	1884.0
2.5°	1933.2	1844.3	1710.0	1589.0	1496.3	1409.3	1343.0	1290.1	1280.6	1250.4	1254.1
5°	2020.2	1859.5	1611.7	1420.6	1286.3	1195.5	1119.8	1063.1	1038.5	1013.9	995.0
7.5°	2154.5	1921.9	1573.8	1341.2	1184.2	1044.2	926.9	832.3	786.9	758.5	739.6
10°	2319.1	2008.9	1575.7	1293.9	1061.2	847.4	686.7	582.6	533.4	518.3	516.4
12.5°	2515.8	2118.6	1590.8	1216.3	883.4	629.9	508.8	461.6	446.4	433.2	433.2
15°	2723.9	2241.6	1590.8	1074.4	673.4	491.8	440.7	410.5	391.6	384.0	380.2
17.5°	2943.4	2357.0	1553.0	879.6	516.4	433.2	391.6	363.2	348.1	336.7	332.9
20°	3177.9	2466.7	1458.4	673.4	442.6	387.8	348.1	319.7	304.5	293.2	293.2
22.5°	3416.3	2568.8	1305.2	518.3	391.6	344.3	306.4	280.0	264.8	253.5	253.5
25°	3637.6	2636.9	1108.5	427.5	353.7	306.4	272.4	245.9	228.9	221.3	217.5
27.5°	3843.8	2680.4	891.0	376.4	317.8	274.3	238.3	213.8	200.5	194.8	191.1
30°	4057.5	2691.8	681.0	342.4	287.5	242.1	208.1	189.2	177.8	170.2	170.2
32.5°	4265.6	2678.5	520.2	314.0	261.0	213.8	185.4	168.4	158.9	153.2	151.3
35°	4477.4	2618.0	421.8	289.4	234.6	187.3	164.6	151.3	145.7	138.1	138.1
37.5°	4708.2	2536.7	367.0	264.8	208.1	168.4	147.5	138.1	130.5	124.8	123.0
40°	4995.8	2442.1	336.7	244.0	183.5	151.3	132.4	123.0	117.3	111.6	109.7
42.5°	5336.2	2349.4	321.6	221.3	164.6	134.3	119.2	107.8	102.1	94.6	92.7
45°	5818.6	2328.6	304.5	196.7	147.5	121.1	104.0	92.7	85.1	79.4	77.6
47.5°	6594.2	2387.2	276.2	170.2	130.5	105.9	88.9	79.4	70.0	64.3	60.5
50°	7364.1	2372.1	247.8	147.5	115.4	90.8	75.7	66.2	56.7	51.1	49.2
52.5°	7784.0	2300.2	221.3	130.5	100.3	77.6	64.3	53.0	47.3	41.6	39.7
55°	8164.2	2271.8	194.8	113.5	85.1	68.1	53.0	43.5	39.7	34.0	32.2
57.5°	8909.5	2338.0	172.1	98.4	73.8	58.6	45.4	35.9	32.2	26.5	24.6
60°	9688.8	2345.6	147.5	85.1	64.3	49.2	35.9	28.4	24.6	18.9	17.0
62.5°	10095.5	2154.5	121.1	71.9	53.0	41.6	30.3	22.7	18.9	11.3	11.3
65°	9755.1	1742.2	102.1	58.6	41.6	32.2	22.7	17.0	11.3	5.7	1.9
67.5°	8633.3	1239.0	85.1	47.3	30.3	22.7	17.0	11.3	1.9	0.0	0.0
70°	6321.8	707.5	66.2	34.0	22.7	15.1	11.3	5.7	0.0	0.0	0.0
72.5°	3885.4	378.3	49.2	22.7	17.0	11.3	9.5	3.8	0.0	0.0	0.0
75°	1473.6	181.6	30.3	15.1	13.2	9.5	5.7	1.9	0.0	0.0	0.0
77.5°	399.1	88.9	17.0	11.3	9.5	5.7	3.8	0.0	0.0	0.0	0.0
80°	104.0	41.6	11.3	7.6	5.7	3.8	0.0	0.0	0.0	0.0	0.0
82.5°	35.9	18.9	5.7	5.7	3.8	1.9	0.0	0.0	0.0	0.0	0.0
85°	15.1	7.6	3.8	3.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.7	1.9	1.9	1.9	1.9	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)