

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: P642655

Luminaire Tested: GWS-SA6D-735-U-SL3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-735-U-SL3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28615.1 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

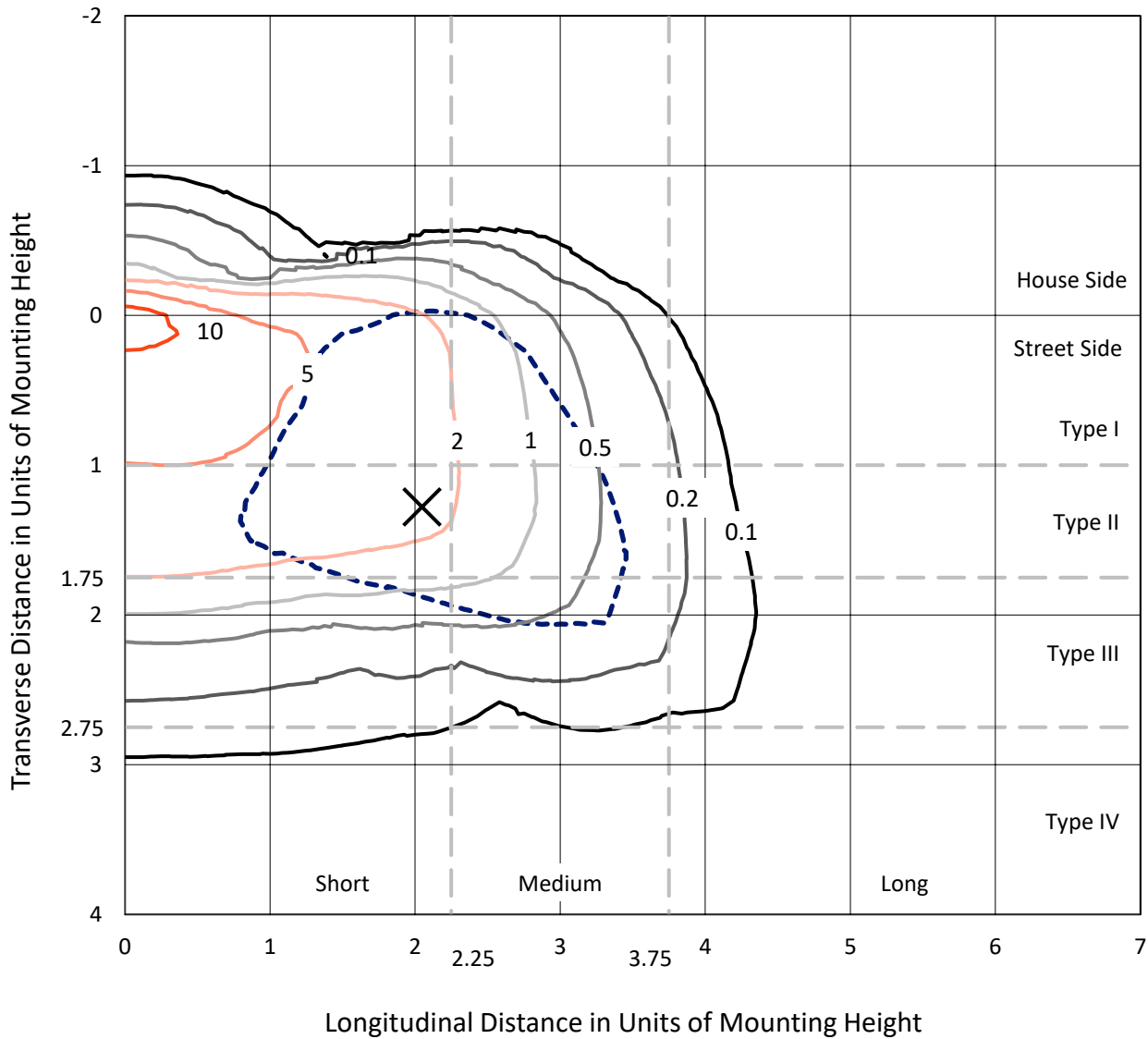
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642655
 CATALOG NUMBER: GWS-SA6D-735-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

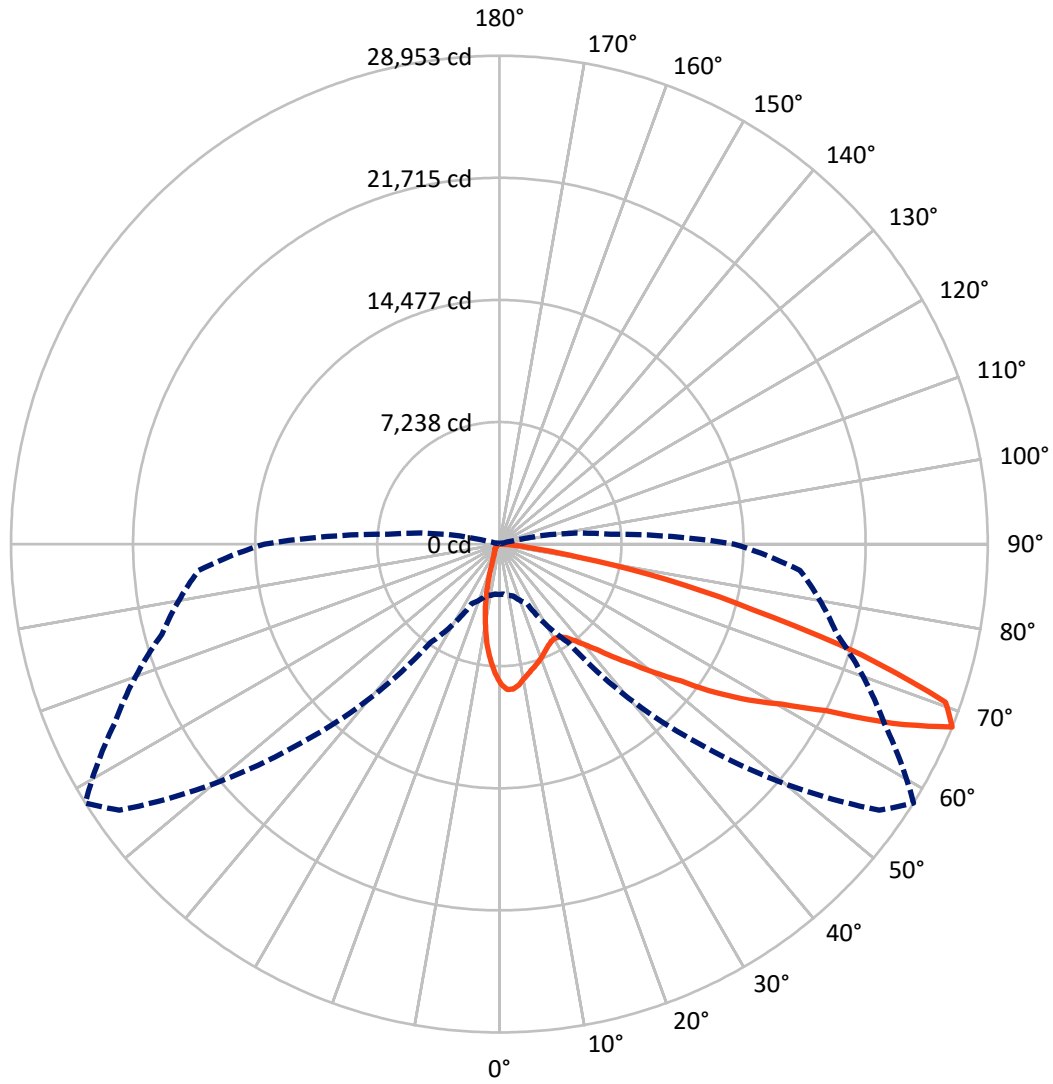
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type III - Short - N/A

REPORT NUMBER: P642655
CATALOG NUMBER: GWS-SA6D-735-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P642655
 CATALOG NUMBER: GWS-SA6D-735-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2795.5	0.0	2795.5
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	25819.6	0.0	25819.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	28615.1	0.0	28615.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	670.7	2.3
10°-20°	1396.2	4.9
20°-30°	1882.8	6.6
30°-40°	2645.8	9.2
40°-50°	4086.2	14.3
50°-60°	6534.3	22.8
60°-70°	7737.1	27.0
70°-80°	3422.7	12.0
80°-90°	239.3	0.8
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°	28615.1	100.0
0°-180°	28615.1	100.0

Coefficient of Utilization

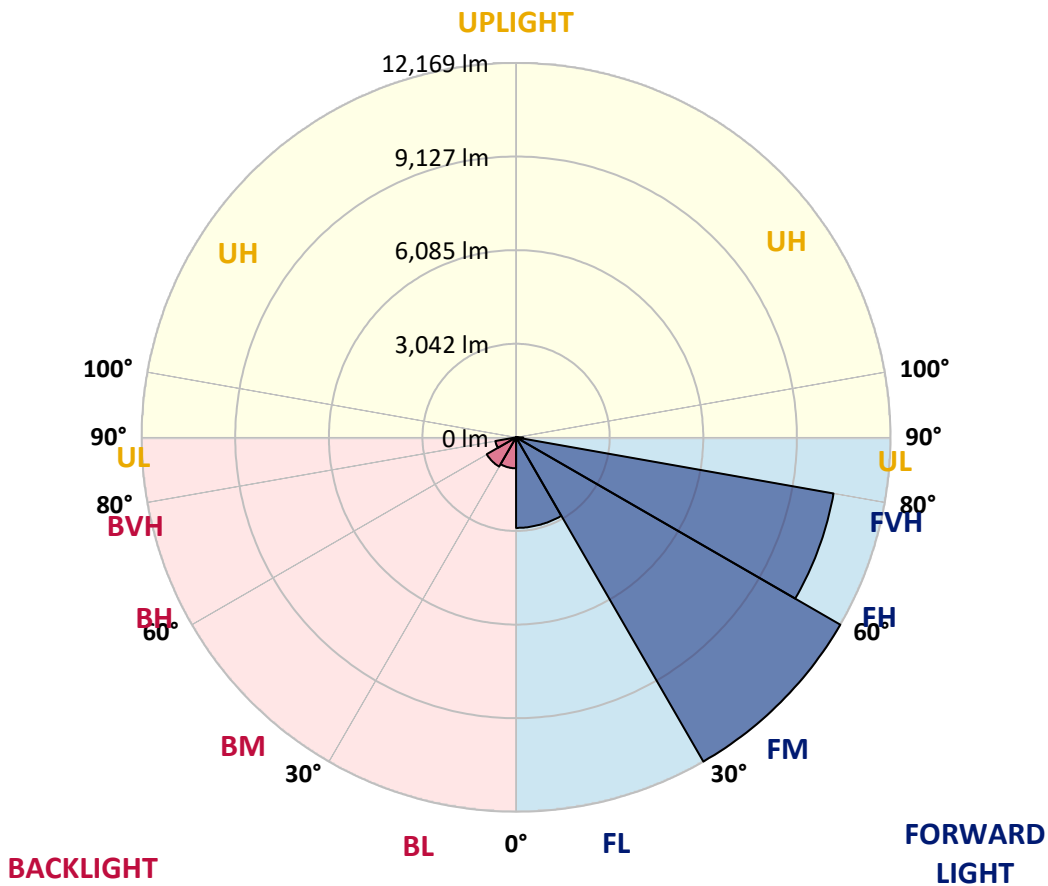


REPORT NUMBER: P642655
 CATALOG NUMBER: GWS-SA6D-735-U-SL3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2943.8	10.3			
FM (30°-60°)	12169.4	42.5			
FH (60°-80°)	10477.3	36.6			G4/12000
FVH (80°-90°)	229.1	0.8			G3/500
BL (0°-30°)	1006.0	3.5	B3/2500		
BM (30°-60°)	1096.9	3.8	B2/2500		
BH (60°-80°)	682.5	2.4	B2/1000		G2/1000
BVH (80°-90°)	10.2	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





REPORT NUMBER: P642655

CATALOG NUMBER: GWS-SA6D-735-U-SL3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9
2.5°	8682.0	8697.2	8717.4	8742.7	8737.7	8714.9	8687.0	8623.7	8583.2	8456.6	8302.1
5°	8403.4	8400.8	8451.5	8499.6	8585.7	8631.3	8694.6	8636.4	8616.1	8464.1	8213.4
7.5°	7858.8	7886.7	7945.0	8020.9	8145.0	8279.3	8431.2	8413.5	8474.3	8373.0	8061.5
10°	7324.5	7309.3	7400.4	7514.4	7704.4	7876.6	8096.9	8094.4	8253.9	8243.8	7889.2
12.5°	6855.9	6853.4	6924.3	7053.5	7276.3	7516.9	7815.8	7823.4	8020.9	8102.0	7742.3
15°	6460.8	6465.9	6534.3	6668.5	6899.0	7192.8	7539.7	7603.0	7825.9	7990.5	7598.0
17.5°	6179.7	6182.2	6222.7	6339.2	6564.7	6878.7	7296.6	7382.7	7668.9	7907.0	7481.5
20°	6050.5	6040.4	6048.0	6106.2	6281.0	6567.2	7048.4	7159.8	7524.5	7848.7	7375.1
22.5°	6068.3	6053.1	6017.6	6010.0	6088.5	6306.3	6785.0	6921.8	7367.5	7813.3	7278.9
25°	6225.3	6192.4	6141.7	6065.7	6035.3	6144.2	6554.5	6696.4	7220.6	7815.8	7205.4
27.5°	6465.9	6430.4	6367.1	6265.8	6146.8	6101.2	6397.5	6531.7	7116.8	7874.0	7170.0
30°	6772.3	6744.5	6683.7	6562.1	6402.6	6215.1	6364.6	6476.0	7066.1	7993.1	7185.2
32.5°	7134.5	7114.2	7063.6	6952.2	6769.8	6483.6	6476.0	6562.1	7106.6	8165.3	7243.4
35°	7484.0	7491.6	7494.1	7433.4	7238.3	6891.4	6782.5	6812.9	7273.8	8423.6	7375.1
37.5°	7861.4	7843.6	7934.8	7977.9	7790.5	7420.7	7256.1	7258.6	7592.9	8806.1	7623.3
40°	8147.6	8152.6	8350.2	8527.5	8449.0	8091.8	7856.3	7853.8	8084.2	9330.3	8023.5
42.5°	8416.0	8449.0	8740.2	9044.1	9153.0	8836.4	8666.8	8603.4	8773.1	10039.5	8623.7
45°	8702.2	8750.3	9158.1	9591.2	9877.4	9690.0	9555.7	9581.1	9601.3	10865.1	9431.6
47.5°	9036.5	9066.9	9570.9	10181.3	10715.7	10667.6	10675.2	10644.8	10634.6	11906.0	10500.4
50°	9441.8	9512.7	10092.6	10822.1	11551.5	11870.6	11976.9	11989.6	11825.0	13040.7	11607.2
52.5°	10302.9	10389.0	10885.4	11523.6	12463.2	13134.4	13567.5	13481.3	13228.1	14139.8	12820.3
55°	11318.5	11384.3	11863.0	12524.0	13577.6	14519.7	15548.0	15512.5	14892.0	15297.3	13818.2
57.5°	11414.7	11488.1	12230.2	13243.3	15008.5	16231.8	17313.3	17427.2	16518.0	16117.8	14709.7
60°	10333.3	10482.7	11495.7	12858.3	15555.6	18534.0	19248.2	19271.0	17710.9	16951.1	15798.7
62.5°	8281.8	8352.7	9373.4	11151.3	14712.2	19876.3	22203.8	21722.6	19243.1	18240.2	17523.5
65°	4341.0	4629.7	5518.7	7486.5	11931.4	19407.8	25759.7	25628.0	21998.7	20086.5	18865.8
67.5°	2978.4	2975.9	3186.1	3902.8	7114.2	16710.5	27504.7	28953.4	25184.8	20719.7	17893.2
70°	2266.7	2274.3	2461.7	2927.8	3685.0	11123.4	25590.0	28066.9	25777.4	18812.6	14471.6
72.5°	1504.4	1519.6	1831.1	2365.5	2943.0	5452.8	19886.4	22457.1	21689.7	15109.8	10186.4
75°	899.1	911.8	1134.6	1719.7	2616.2	3051.9	12635.4	15525.2	14930.0	10414.3	5460.4
77.5°	369.8	379.9	582.5	1071.3	1914.7	2370.6	6987.6	10158.5	8942.8	4140.9	1491.7
80°	154.5	159.6	281.1	749.7	1380.3	1486.7	3236.7	4774.1	3664.8	891.5	455.9
82.5°	55.7	58.3	103.8	412.8	858.6	1119.4	1633.6	1886.8	1033.3	291.3	245.7
85°	2.5	2.5	25.3	139.3	326.7	316.6	934.6	904.2	341.9	121.6	146.9
87.5°	0.0	0.0	2.5	2.5	5.1	12.7	88.6	157.0	73.4	30.4	63.3
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: P642655
 CATALOG NUMBER: GWS-SA6D-735-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9	8253.9
2.5°	8200.8	8066.5	7919.6	7782.9	7565.1	7435.9	7276.3	7205.4	7104.1	7078.8	7094.0
5°	8033.6	7803.1	7451.1	7132.0	6719.1	6387.4	6053.1	5911.2	5728.9	5607.3	5556.7
7.5°	7798.1	7496.7	6947.1	6367.1	5799.8	5194.5	4733.5	4429.6	4153.6	4001.6	3971.2
10°	7560.0	7167.4	6379.8	5549.1	4670.2	3945.9	3322.8	2861.9	2487.1	2317.4	2185.7
12.5°	7314.3	6825.5	5802.3	4718.3	3697.7	2709.9	1940.0	1491.7	1223.3	1116.9	1134.6
15°	7088.9	6496.3	5229.9	3887.6	2603.6	1636.1	1071.3	904.2	840.8	820.6	818.0
17.5°	6873.6	6184.8	4660.1	3079.7	1717.1	1002.9	820.6	780.1	762.3	752.2	752.2
20°	6678.6	5885.9	4102.9	2319.9	1109.3	795.3	742.1	721.8	706.6	699.0	699.0
22.5°	6496.3	5597.2	3558.4	1641.2	818.0	714.2	681.3	661.0	643.3	633.2	633.2
25°	6331.6	5336.3	3039.2	1129.6	704.1	653.4	618.0	595.2	564.8	547.1	547.1
27.5°	6212.6	5103.3	2540.3	823.1	635.7	587.6	547.1	516.7	483.7	463.5	458.4
30°	6141.7	4905.8	2036.3	676.2	572.4	524.3	478.7	440.7	402.7	382.4	379.9
32.5°	6101.2	4723.4	1575.3	590.1	519.2	463.5	412.8	372.3	334.3	311.5	309.0
35°	6116.4	4581.6	1180.2	531.9	468.5	410.3	354.6	314.0	281.1	260.9	255.8
37.5°	6248.1	4518.3	886.4	486.3	425.5	364.7	306.5	268.5	238.1	222.9	220.3
40°	6503.9	4530.9	696.5	450.8	390.0	319.1	263.4	227.9	205.1	192.5	189.9
42.5°	6901.5	4637.3	574.9	420.4	352.0	278.6	227.9	200.1	177.3	164.6	162.1
45°	7494.1	4857.6	501.5	385.0	311.5	240.6	197.5	172.2	152.0	136.8	134.2
47.5°	8352.7	5240.1	453.3	352.0	276.1	207.7	169.7	144.4	126.6	114.0	111.4
50°	9267.0	5698.5	412.8	319.1	245.7	179.8	144.4	119.0	103.8	91.2	88.6
52.5°	10242.1	6192.4	382.4	288.7	217.8	154.5	121.6	98.8	83.6	70.9	68.4
55°	11179.2	6688.8	347.0	268.5	184.9	131.7	101.3	81.0	65.8	55.7	55.7
57.5°	12090.9	7144.6	309.0	235.5	152.0	111.4	83.6	65.8	53.2	45.6	43.1
60°	13180.0	7775.3	265.9	200.1	126.6	93.7	68.4	53.2	43.1	35.5	35.5
62.5°	14798.3	8431.2	227.9	167.2	106.4	78.5	55.7	43.1	35.5	30.4	27.9
65°	15327.7	8076.7	192.5	136.8	86.1	63.3	45.6	38.0	30.4	27.9	25.3
67.5°	13914.4	6620.4	159.6	111.4	70.9	53.2	40.5	32.9	27.9	25.3	22.8
70°	10857.5	4698.1	124.1	83.6	58.3	43.1	35.5	30.4	25.3	22.8	22.8
72.5°	7385.2	2778.3	98.8	63.3	48.1	38.0	30.4	27.9	25.3	22.8	20.3
75°	3636.9	987.7	76.0	48.1	38.0	32.9	27.9	25.3	22.8	20.3	20.3
77.5°	980.1	273.5	58.3	38.0	30.4	25.3	25.3	25.3	22.8	17.7	17.7
80°	331.8	114.0	43.1	27.9	25.3	20.3	17.7	22.8	20.3	17.7	15.2
82.5°	182.4	55.7	30.4	22.8	17.7	15.2	15.2	15.2	15.2	12.7	12.7
85°	116.5	30.4	20.3	17.7	17.7	12.7	10.1	10.1	7.6	7.6	7.6
87.5°	53.2	17.7	17.7	15.2	15.2	12.7	7.6	5.1	2.5	2.5	2.5
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)