

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: P634585

Luminaire Tested: GWS-SA3C-722-U-T2-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-22)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-722-U-T2-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7696.7 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

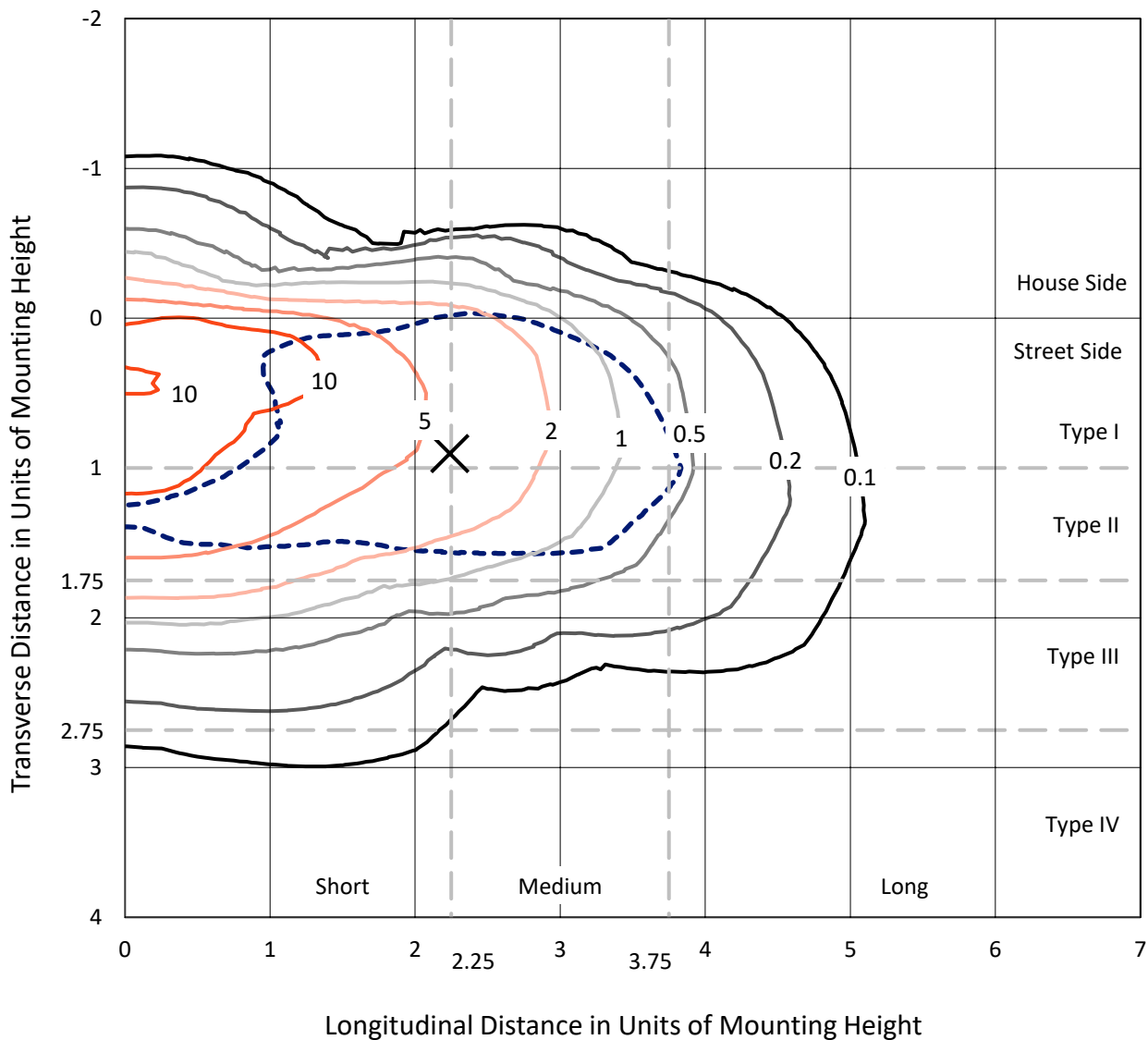
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: GWS-SA3C-722-U-T2-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

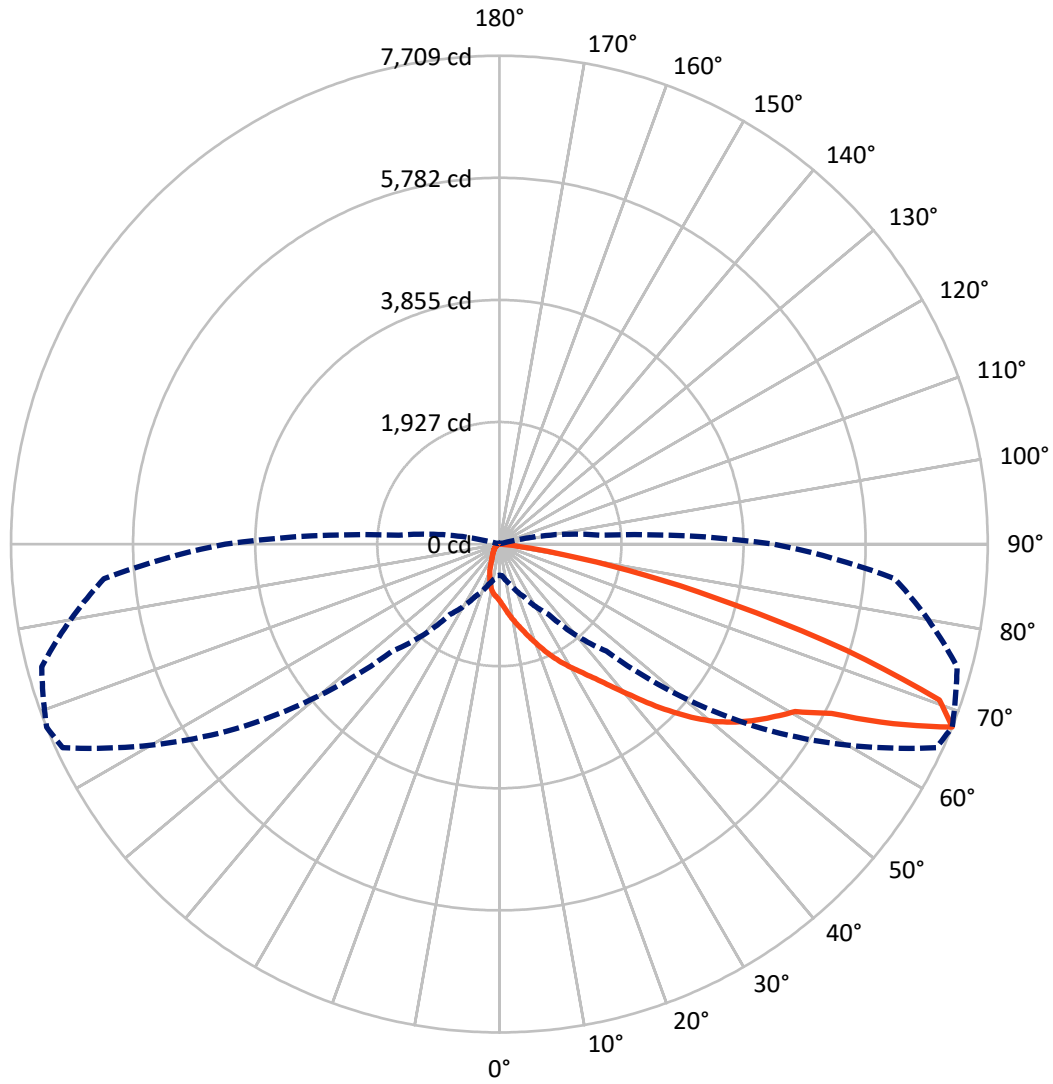
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.4 fc
 Type II - Short - N/A

REPORT NUMBER: P634585
CATALOG NUMBER: GWS-SA3C-722-U-T2-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 68-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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CATALOG NUMBER: GWS-SA3C-722-U-T2-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	555.8	0.0	555.8
	% Fixture	7.2	0.0	7.2
Street Side	Lumens	7140.9	0.0	7140.9
	% Fixture	92.8	0.0	92.8
Total	Lumens	7696.7	0.0	7696.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.4	1.1
10°-20°	250.9	3.3
20°-30°	431.1	5.6
30°-40°	749.5	9.7
40°-50°	1307.9	17.0
50°-60°	1972.6	25.6
60°-70°	1978.0	25.7
70°-80°	872.7	11.3
80°-90°	46.6	0.6
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°	7696.7	100.0
0°-180°	7696.7	100.0

Coefficient of Utilization



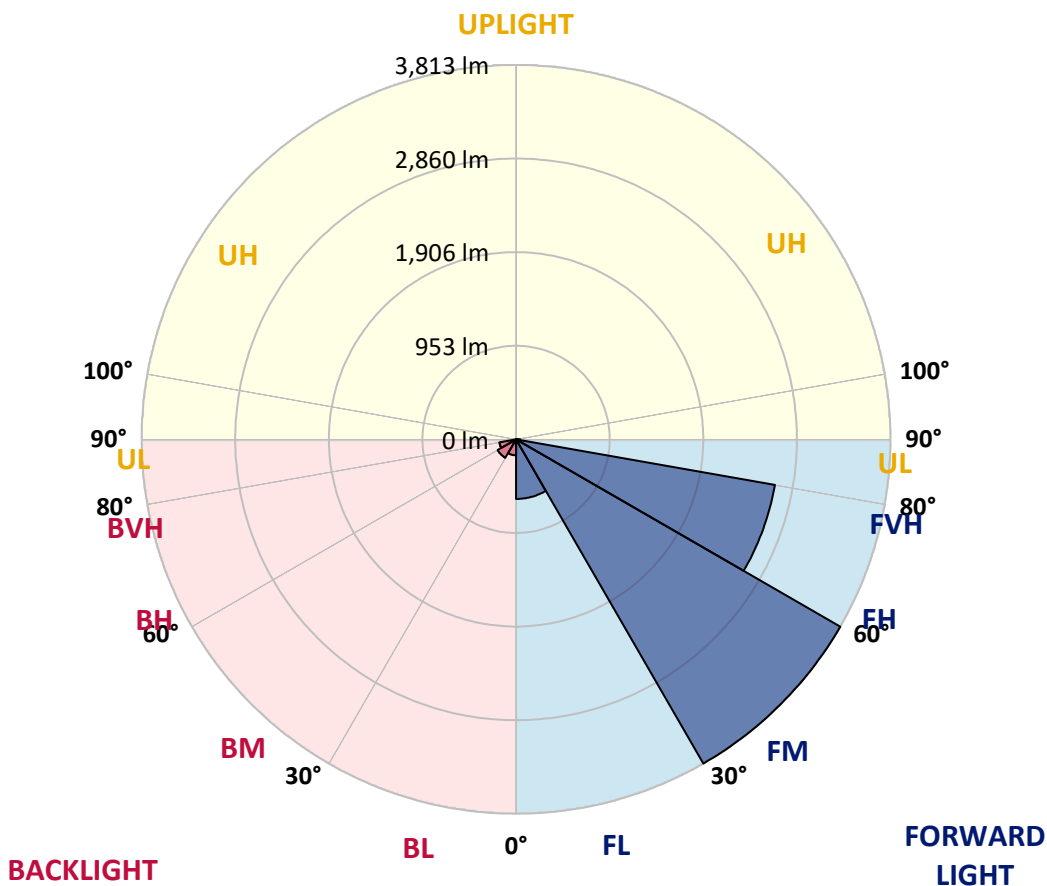
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	606.7	7.9			
FM (30°-60°)	3812.9	49.5			
FH (60°-80°)	2677.3	34.8			G2/5000
FVH (80°-90°)	44.0	0.6			G1/100
BL (0°-30°)	162.6	2.1	B1/500		
BM (30°-60°)	217.1	2.8	B0/220		
BH (60°-80°)	173.4	2.3	B1/500		G1/500
BVH (80°-90°)	2.6	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





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CATALOG NUMBER: GWS-SA3C-722-U-T2-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	68°	75°	85°
0°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	1043.0	1049.6	1043.0	1044.5	1025.3	1016.5	997.4	970.8	964.2	947.3	921.5
5°	1170.5	1176.3	1169.7	1168.2	1146.1	1129.9	1098.3	1052.6	1039.3	1006.2	955.4
7.5°	1239.7	1243.4	1245.6	1249.3	1241.2	1227.9	1199.2	1142.5	1128.5	1074.7	1003.2
10°	1247.1	1250.0	1261.1	1283.1	1299.4	1307.5	1291.3	1239.0	1216.9	1164.6	1062.2
12.5°	1226.4	1230.9	1248.5	1285.4	1330.3	1371.5	1381.9	1336.2	1316.3	1249.3	1131.4
15°	1199.2	1202.9	1227.2	1277.3	1345.0	1420.9	1463.6	1443.7	1421.6	1351.7	1208.0
17.5°	1157.2	1162.3	1196.2	1264.0	1351.7	1459.9	1552.0	1558.6	1543.2	1467.3	1292.7
20°	1133.6	1137.3	1167.5	1237.5	1347.2	1488.7	1634.5	1697.1	1680.2	1600.6	1390.0
22.5°	1153.5	1156.5	1176.3	1230.9	1332.5	1504.9	1711.1	1835.6	1826.0	1743.5	1492.3
25°	1258.1	1267.7	1255.9	1265.5	1339.1	1513.7	1773.0	1974.1	1976.3	1893.1	1598.4
27.5°	1470.2	1457.7	1429.7	1381.9	1390.7	1537.3	1826.0	2104.5	2123.6	2038.9	1692.7
30°	1686.1	1678.7	1661.8	1587.4	1525.5	1589.6	1871.0	2237.8	2268.0	2182.5	1776.7
32.5°	1928.4	1935.8	1905.6	1816.4	1711.1	1695.6	1917.4	2364.5	2421.2	2345.3	1875.4
35°	2217.9	2220.1	2160.4	2061.7	1942.4	1871.0	2000.6	2504.4	2609.0	2553.0	2007.2
37.5°	2500.0	2513.3	2480.9	2325.4	2219.4	2089.0	2138.3	2684.2	2831.5	2809.4	2173.0
40°	2749.7	2770.3	2760.0	2609.8	2470.5	2360.8	2351.9	2894.8	3100.3	3125.4	2391.7
42.5°	2948.6	2961.9	2970.0	2863.1	2740.1	2678.3	2615.7	3139.4	3417.8	3520.2	2659.8
45°	3158.5	3162.9	3179.9	3107.7	3000.2	3005.3	2927.2	3436.2	3752.2	3957.7	2967.7
47.5°	3425.9	3440.6	3432.5	3356.7	3259.4	3317.6	3249.1	3741.9	4082.2	4424.7	3283.0
50°	3751.5	3766.9	3759.6	3671.2	3562.9	3587.2	3544.5	4038.8	4400.4	4865.2	3545.2
52.5°	3919.4	3931.9	4023.3	4063.1	4006.3	3851.7	3796.4	4365.1	4669.3	5227.6	3786.1
55°	3838.4	3847.2	4046.1	4214.1	4421.8	4267.1	4049.8	4617.0	4906.5	5510.5	3965.1
57.5°	3502.5	3550.4	3820.7	4105.0	4541.8	4677.4	4460.8	4891.0	5134.8	5707.1	4141.1
60°	2813.8	2811.6	3199.0	3709.5	4307.6	4790.1	5041.3	5261.5	5363.9	5858.1	4376.9
62.5°	1555.0	1568.9	2084.6	2757.1	3656.5	4498.4	5476.6	5901.6	5886.1	6121.8	4745.9
65°	774.2	802.2	1082.1	1579.3	2433.0	3717.6	5551.7	6878.3	6834.1	6742.8	5508.3
67.5°	491.3	502.4	657.0	917.8	1352.4	2389.5	5084.0	7606.8	7709.2	7479.4	6264.7
70°	318.2	336.6	456.7	627.6	816.1	1231.6	3724.2	7134.7	7369.6	7398.4	5793.3
72.5°	173.1	186.4	291.7	447.9	589.3	615.8	2091.9	5354.3	5732.2	6275.8	4532.3
75°	98.7	108.3	159.8	304.2	432.4	374.9	927.4	3584.3	3825.1	4485.1	3247.6
77.5°	59.7	67.8	89.9	148.1	271.1	250.4	350.6	2181.8	2335.0	2676.1	1704.5
80°	27.3	32.4	56.7	81.8	148.1	118.6	134.1	1017.2	1050.4	1098.3	564.2
82.5°	12.5	14.7	25.8	48.6	84.0	68.5	51.6	235.0	330.7	313.1	143.6
85°	1.5	1.5	9.6	19.9	23.6	17.7	21.4	53.0	67.0	94.3	41.2
87.5°	0.0	0.0	0.7	0.7	1.5	2.2	4.4	6.6	9.6	15.5	10.3
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: P634585

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7	895.7
2.5°	909.7	889.1	870.7	843.4	825.0	804.4	790.4	773.4	766.8	761.6	754.3
5°	930.3	897.2	852.2	802.2	760.9	721.9	685.8	662.2	641.6	638.6	628.3
7.5°	964.2	914.9	839.0	757.2	687.2	622.4	571.6	530.3	509.7	503.1	491.3
10°	1009.1	941.4	819.1	693.9	593.0	515.6	458.2	411.8	379.3	367.6	358.7
12.5°	1059.2	965.7	787.4	615.8	500.9	412.5	339.6	290.2	269.6	262.2	255.6
15°	1116.7	988.5	737.3	537.7	411.0	303.5	251.9	230.6	221.7	219.5	217.3
17.5°	1171.9	1003.2	677.7	456.7	316.0	235.7	211.4	203.3	201.1	198.9	197.4
20°	1234.5	1013.6	607.7	380.1	245.3	199.6	187.8	181.9	177.5	173.1	172.4
22.5°	1298.6	1013.6	531.8	305.0	205.5	179.0	165.7	154.7	146.6	142.2	140.7
25°	1359.8	999.6	456.7	243.8	181.2	159.1	142.2	129.6	118.6	113.4	112.0
27.5°	1403.2	963.5	391.1	206.2	164.3	141.4	120.8	106.8	98.0	92.8	92.1
30°	1430.5	909.7	330.7	184.1	149.5	123.0	102.4	90.6	84.0	80.3	78.8
32.5°	1451.1	843.4	277.0	168.7	135.5	106.8	89.1	79.6	73.7	70.7	70.0
35°	1492.3	780.8	237.2	154.7	120.8	93.5	78.1	70.7	66.3	62.6	61.9
37.5°	1549.8	728.5	205.5	142.2	106.8	83.2	70.7	64.1	60.4	56.7	56.0
40°	1634.5	695.3	181.9	129.6	94.3	75.1	64.8	58.9	53.8	50.1	49.4
42.5°	1764.9	679.9	166.5	117.1	83.2	67.8	59.7	52.3	47.1	43.5	42.7
45°	1920.3	688.0	153.2	104.6	75.9	62.6	53.0	45.7	40.5	36.8	36.1
47.5°	2086.8	716.7	142.2	92.8	68.5	57.5	47.1	39.0	34.6	30.9	30.2
50°	2260.6	763.8	132.6	81.8	62.6	51.6	40.5	33.9	29.5	26.5	25.8
52.5°	2411.6	827.9	123.0	73.7	57.5	45.7	35.4	29.5	25.0	22.1	21.4
55°	2556.0	888.3	115.6	66.3	51.6	39.8	30.9	25.0	21.4	18.4	17.7
57.5°	2712.9	952.4	106.8	59.7	46.4	35.4	27.3	21.4	18.4	15.5	14.7
60°	2941.2	1047.4	93.5	54.5	40.5	30.9	23.6	19.2	16.2	12.5	11.8
62.5°	3270.5	1220.5	78.8	47.1	34.6	26.5	19.9	16.2	13.3	10.3	8.8
65°	3886.3	1515.2	64.8	39.0	28.0	22.1	16.9	13.3	10.3	7.4	6.6
67.5°	4329.7	1591.8	52.3	31.7	22.8	16.9	14.0	10.3	7.4	5.2	4.4
70°	3785.4	1143.2	40.5	25.8	19.2	13.3	11.0	8.1	5.2	3.7	2.9
72.5°	2852.1	746.9	30.2	19.9	14.7	11.0	8.1	6.6	4.4	2.9	2.2
75°	2010.2	431.6	22.1	14.7	10.3	8.1	6.6	5.2	3.7	2.2	2.2
77.5°	1030.5	178.3	15.5	10.3	7.4	5.2	4.4	2.9	2.9	2.2	1.5
80°	313.1	58.9	8.8	6.6	5.2	3.7	2.2	2.2	2.2	1.5	0.7
82.5°	71.4	19.2	5.2	5.2	3.7	2.9	2.2	0.7	0.7	0.0	0.0
85°	18.4	5.9	4.4	3.7	3.7	2.9	1.5	0.7	0.0	0.0	0.0
87.5°	6.6	3.7	3.7	3.7	2.9	2.2	1.5	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)