

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: P641523

Luminaire Tested: GWS-SA6B-722-U-T3-W-HSS

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641523  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA6B-722-U-T3-W-HSS  
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

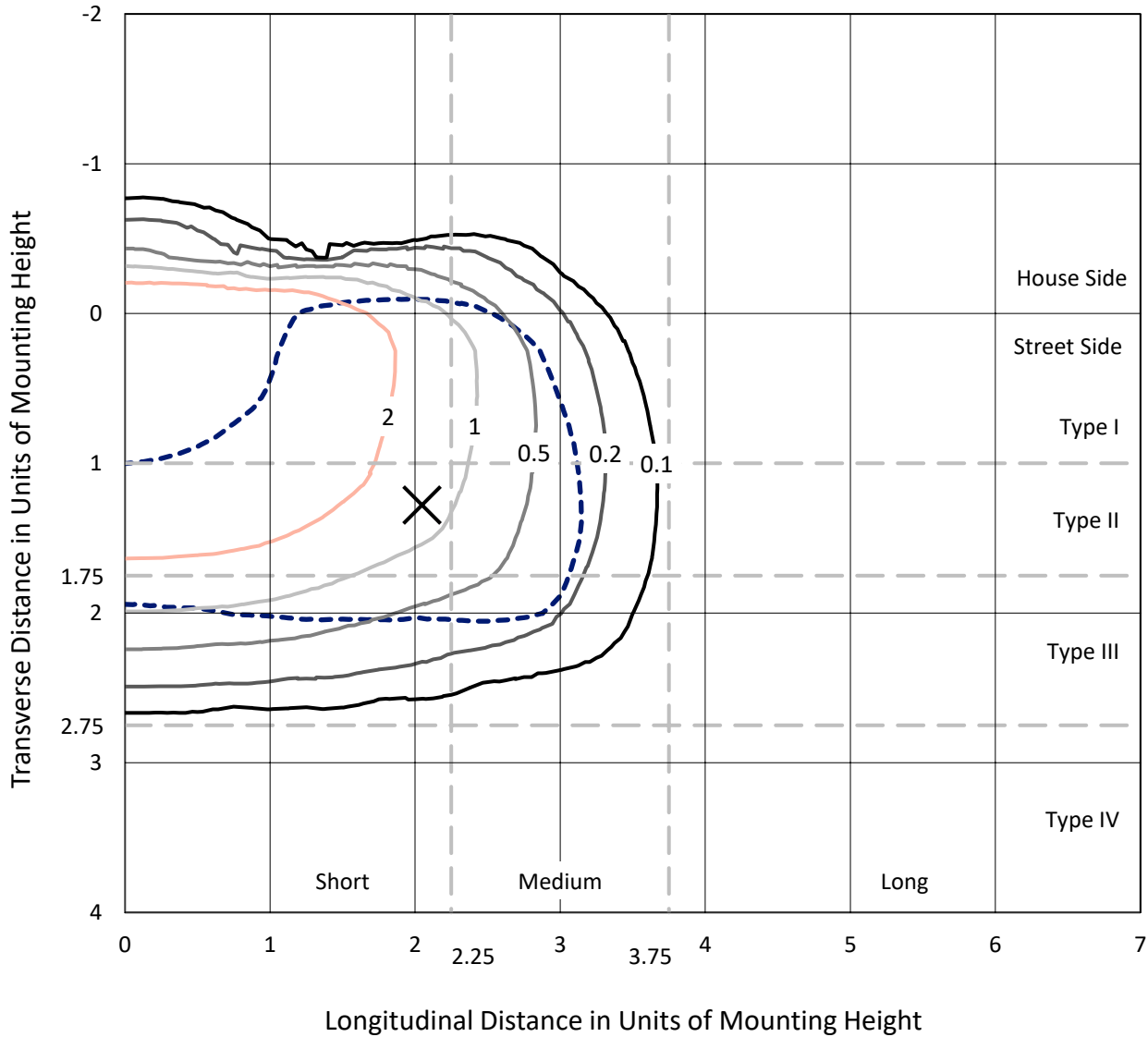
Lumens per Lamp: N/A  
Luminaire Lumens: 11449.5 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2  
  
Input Watts (W): 138.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
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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### Iso-Footcandle Lines of Horizontal Illumination

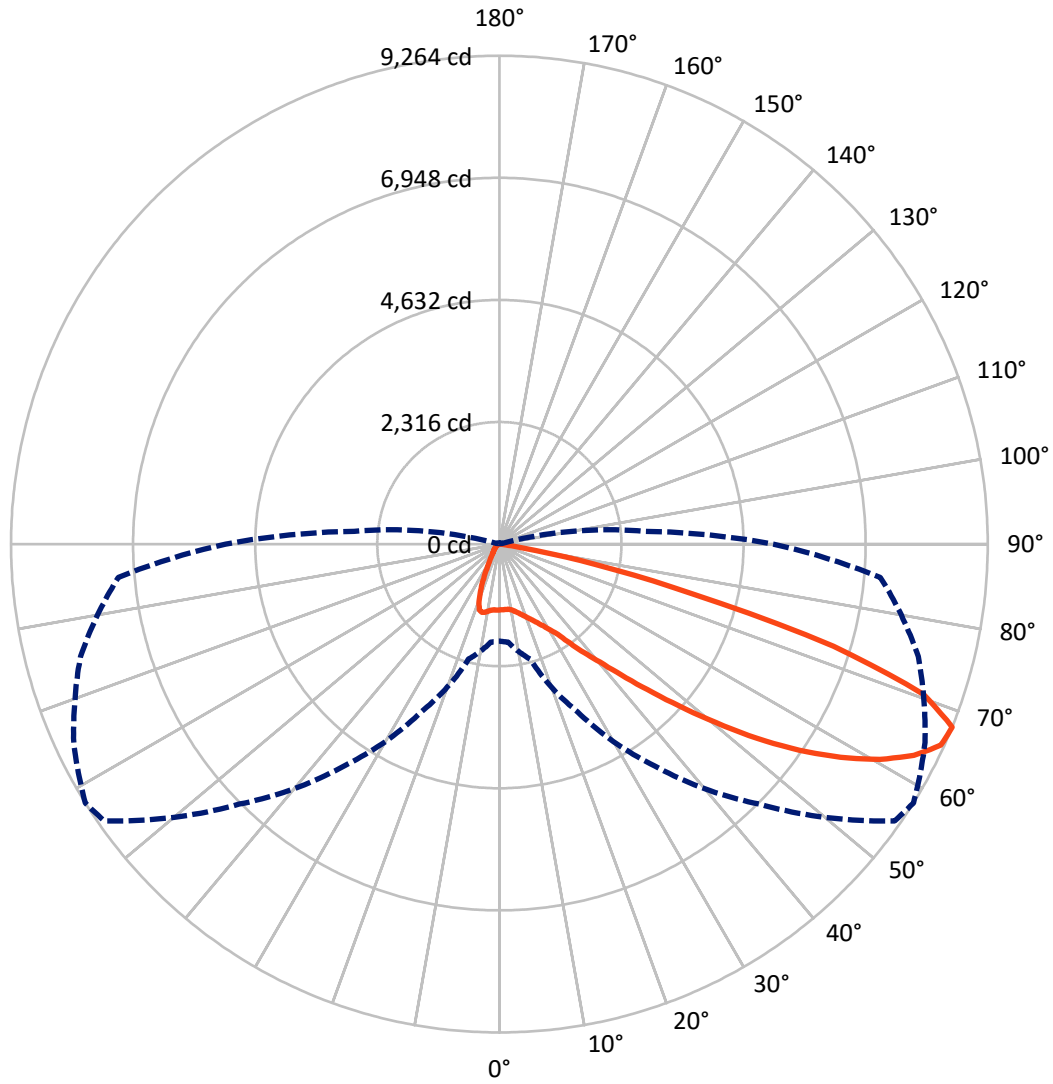
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1249.1	0.0	1249.1
	% Fixture	10.9	0.0	10.9
<b>Street Side</b>	Lumens	10200.4	0.0	10200.4
	% Fixture	89.1	0.0	89.1
<b>Total</b>	Lumens	11449.5	0.0	11449.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.2	1.0
10°-20°	329.1	2.9
20°-30°	574.4	5.0
30°-40°	1025.8	9.0
40°-50°	1875.0	16.4
50°-60°	3118.3	27.2
60°-70°	3387.0	29.6
70°-80°	994.5	8.7
80°-90°	28.3	0.2
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°	11449.5	100.0
0°-180°	11449.5	100.0

**Coefficient of Utilization**



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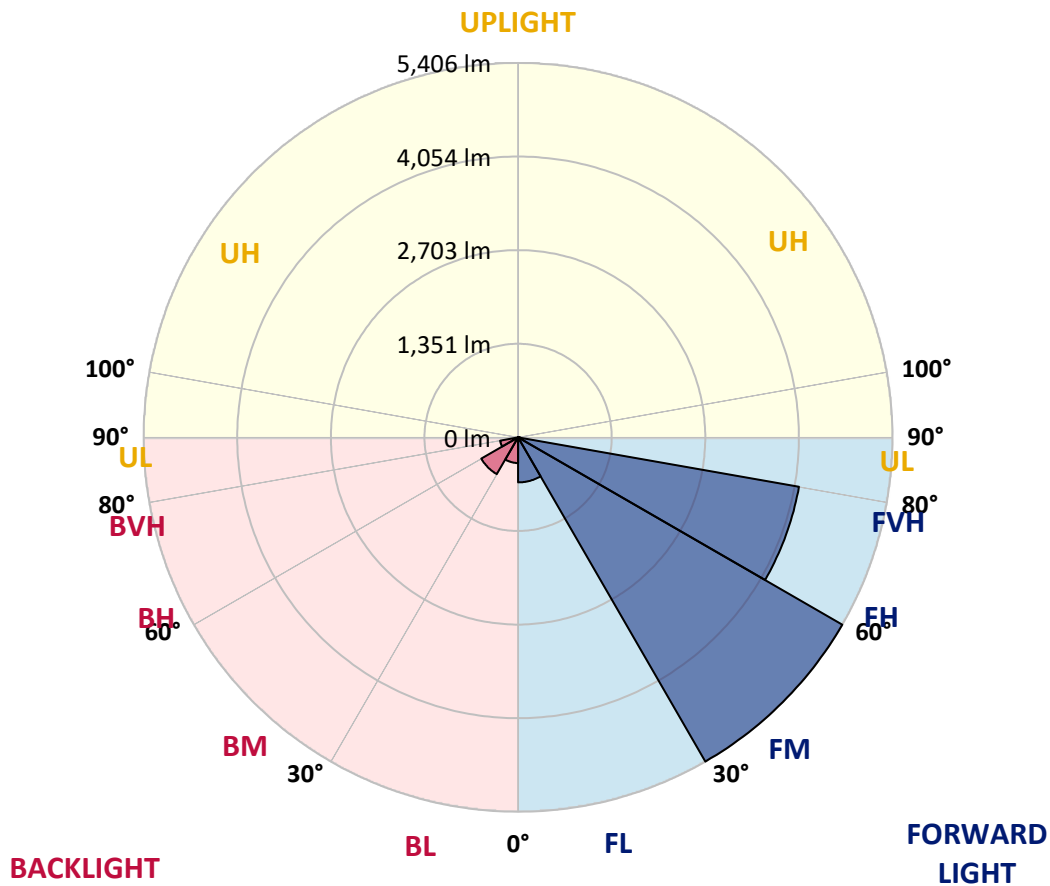
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	650.2	5.7			
FM (30°-60°)	5405.5	47.2			
FH (60°-80°)	4117.8	36.0			G2/5000
FVH (80°-90°)	26.9	0.2			G1/100
BL (0°-30°)	370.5	3.2	B1/500		
BM (30°-60°)	613.5	5.4	B1/1000		
BH (60°-80°)	263.7	2.3	B1/500		G1/500
BVH (80°-90°)	1.4	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7
2.5°	1224.2	1221.9	1221.9	1230.9	1232.0	1236.5	1246.5	1247.7	1253.2	1251.0	1243.2
5°	1160.5	1161.6	1168.3	1183.9	1197.3	1214.1	1238.7	1244.3	1256.6	1263.3	1258.8
7.5°	1101.2	1102.3	1112.4	1137.0	1162.7	1196.2	1236.5	1247.7	1272.2	1290.1	1291.3
10°	1078.8	1077.7	1087.8	1115.7	1149.3	1196.2	1254.4	1268.9	1305.8	1337.1	1342.7
12.5°	1085.5	1084.4	1094.5	1120.2	1157.1	1216.4	1285.7	1305.8	1352.7	1400.8	1410.9
15°	1112.4	1111.3	1118.0	1139.2	1179.5	1240.9	1325.9	1356.1	1415.3	1473.5	1489.1
17.5°	1192.9	1187.3	1180.6	1182.8	1206.3	1270.0	1377.3	1414.2	1488.0	1557.3	1570.7
20°	1336.0	1321.4	1303.6	1280.1	1268.9	1312.5	1436.6	1479.1	1568.5	1647.9	1650.1
22.5°	1551.7	1546.2	1504.8	1436.6	1388.5	1389.6	1505.9	1555.1	1664.7	1751.9	1739.6
25°	1852.5	1849.1	1785.4	1673.6	1548.4	1505.9	1594.2	1644.5	1778.7	1871.5	1832.4
27.5°	2225.9	2202.4	2127.5	1976.6	1789.9	1656.8	1706.0	1750.7	1899.4	1986.6	1912.8
30°	2551.2	2552.3	2481.9	2324.3	2114.1	1883.8	1842.4	1881.5	2010.1	2101.8	2012.3
32.5°	2864.2	2874.3	2797.2	2655.2	2424.9	2180.0	2038.1	2044.8	2152.1	2251.6	2143.1
35°	3154.9	3162.7	3109.1	2988.3	2773.7	2489.7	2310.8	2307.5	2365.6	2467.4	2325.4
37.5°	3480.2	3488.1	3435.5	3327.1	3125.8	2844.1	2620.5	2616.0	2639.5	2722.3	2560.1
40°	3826.8	3841.3	3783.2	3691.5	3499.2	3261.1	2980.5	2940.3	2916.8	3014.0	2864.2
42.5°	4177.9	4200.2	4180.1	4088.4	3924.1	3727.3	3447.8	3385.2	3334.9	3456.8	3298.0
45°	4613.9	4640.7	4631.7	4561.3	4433.9	4274.0	4010.2	3937.5	3914.0	4026.9	3838.0
47.5°	5033.1	5062.2	5094.6	5078.9	4988.4	4914.6	4621.7	4580.3	4573.6	4694.4	4401.4
50°	5345.0	5371.8	5495.9	5585.4	5646.9	5631.2	5377.4	5315.9	5305.9	5383.0	4996.2
52.5°	5568.6	5594.3	5765.4	6044.9	6270.7	6393.7	6137.6	6124.2	6069.5	6042.6	5553.0
55°	5741.9	5777.7	5957.7	6380.2	6835.3	7108.0	6948.2	6900.1	6759.2	6605.0	6069.5
57.5°	5776.5	5791.1	6044.9	6615.0	7273.5	7715.1	7715.1	7631.3	7359.6	7146.1	6666.4
60°	5465.8	5510.5	5853.7	6596.0	7461.3	8112.0	8351.2	8293.1	7926.4	7663.7	7241.1
62.5°	4776.0	4826.3	5244.4	6141.0	7273.5	8193.6	8833.1	8824.1	8410.5	8091.9	7717.3
65°	3662.5	3699.4	4063.8	5137.1	6479.7	7879.4	9177.4	9202.0	8792.8	8374.7	7881.7
67.5°	1840.2	1865.9	2259.4	3509.3	5135.9	6975.0	9153.9	9263.5	8909.1	8224.9	7254.5
70°	642.8	668.5	854.1	1505.9	3125.8	5326.0	8362.4	8541.3	8226.0	7020.8	5351.7
72.5°	220.2	232.5	354.4	559.0	1216.4	3157.1	6359.0	6628.4	6063.9	4713.4	3075.5
75°	125.2	133.0	190.1	303.0	509.8	1038.6	3607.7	3773.1	3535.0	2569.1	1265.5
77.5°	85.0	91.7	118.5	172.2	281.7	334.3	1471.2	1852.5	1615.5	838.5	323.1
80°	50.3	54.8	72.7	101.7	144.2	129.7	315.3	419.2	540.0	250.4	97.3
82.5°	23.5	26.8	47.0	67.1	72.7	54.8	92.8	112.9	152.0	123.0	40.2
85°	0.0	0.0	15.7	27.9	26.8	15.7	25.7	27.9	41.4	61.5	15.7
87.5°	0.0	0.0	0.0	0.0	0.0	1.1	2.2	3.4	6.7	12.3	6.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7	1247.7
2.5°	1252.1	1244.3	1253.2	1248.8	1253.2	1252.1	1243.2	1237.6	1237.6	1227.5	1224.2
5°	1267.8	1260.0	1262.2	1252.1	1249.9	1244.3	1233.1	1228.6	1228.6	1218.6	1215.2
7.5°	1302.4	1290.1	1287.9	1267.8	1258.8	1243.2	1223.1	1215.2	1214.1	1204.1	1200.7
10°	1357.2	1342.7	1332.6	1306.9	1281.2	1249.9	1207.4	1171.6	1151.5	1124.7	1122.4
12.5°	1424.3	1406.4	1390.8	1351.6	1309.1	1238.7	1113.5	982.7	902.2	838.5	842.9
15°	1499.2	1482.4	1457.8	1398.6	1311.4	1128.0	866.4	665.2	566.8	514.3	512.0
17.5°	1580.8	1556.2	1516.0	1435.5	1240.9	862.0	563.5	398.0	346.6	328.7	324.2
20°	1656.8	1626.6	1576.3	1443.3	1037.5	583.6	352.2	308.6	299.6	294.0	294.0
22.5°	1737.3	1699.3	1624.4	1382.9	771.4	373.4	299.6	289.6	282.8	275.0	273.9
25°	1818.9	1769.7	1668.0	1225.3	505.3	294.0	280.6	269.4	257.1	244.8	241.5
27.5°	1888.2	1824.5	1701.5	990.5	324.2	265.0	256.0	237.0	220.2	206.8	204.6
30°	1971.0	1889.4	1716.1	724.4	254.9	233.7	220.2	200.1	180.0	166.6	162.1
32.5°	2081.7	1992.2	1693.7	471.8	225.8	205.7	184.5	161.0	140.9	126.3	124.1
35°	2253.8	2147.6	1590.9	300.7	204.6	177.8	152.0	127.4	110.7	99.5	97.3
37.5°	2464.0	2365.6	1422.1	225.8	183.3	154.3	124.1	100.6	88.3	80.5	78.3
40°	2775.9	2638.4	1213.0	197.9	162.1	130.8	101.7	82.7	73.8	67.1	64.8
42.5°	3180.6	2960.4	972.6	180.0	142.0	109.6	82.7	68.2	60.4	55.9	54.8
45°	3653.5	3274.5	718.9	162.1	123.0	90.6	68.2	55.9	50.3	47.0	45.8
47.5°	4137.6	3549.6	496.4	143.1	105.1	74.9	57.0	48.1	43.6	39.1	38.0
50°	4654.1	3782.1	338.7	124.1	89.4	61.5	49.2	43.6	38.0	34.7	33.5
52.5°	5033.1	3868.2	235.9	107.3	76.0	52.5	43.6	39.1	34.7	30.2	29.1
55°	5383.0	3865.9	178.9	90.6	64.8	45.8	39.1	34.7	30.2	26.8	25.7
57.5°	5731.8	3835.8	140.9	77.1	55.9	41.4	34.7	30.2	27.9	23.5	22.4
60°	5957.7	3721.7	109.6	64.8	48.1	35.8	30.2	26.8	23.5	20.1	19.0
62.5°	6077.3	3563.0	83.8	51.4	39.1	31.3	26.8	23.5	20.1	16.8	15.7
65°	5915.2	3281.2	66.0	40.2	30.2	26.8	22.4	19.0	15.7	12.3	11.2
67.5°	5196.3	2767.0	51.4	32.4	23.5	20.1	19.0	15.7	11.2	8.9	7.8
70°	3672.5	1895.0	40.2	24.6	17.9	15.7	14.5	12.3	8.9	6.7	5.6
72.5°	2015.7	955.9	29.1	17.9	13.4	12.3	11.2	10.1	7.8	5.6	5.6
75°	775.9	262.7	21.2	12.3	8.9	8.9	7.8	7.8	6.7	4.5	4.5
77.5°	202.4	78.3	13.4	7.8	5.6	5.6	5.6	4.5	4.5	3.4	3.4
80°	64.8	25.7	7.8	5.6	4.5	3.4	3.4	2.2	3.4	2.2	2.2
82.5°	21.2	8.9	4.5	4.5	3.4	2.2	2.2	1.1	1.1	0.0	0.0
85°	7.8	4.5	3.4	2.2	2.2	2.2	1.1	0.0	0.0	0.0	0.0
87.5°	4.5	2.2	2.2	2.2	2.2	1.1	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)