

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: P633112

Luminaire Tested: GWS-SA2E-722-U-T3R-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633112
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-18)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-722-U-T3R-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8413.5 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

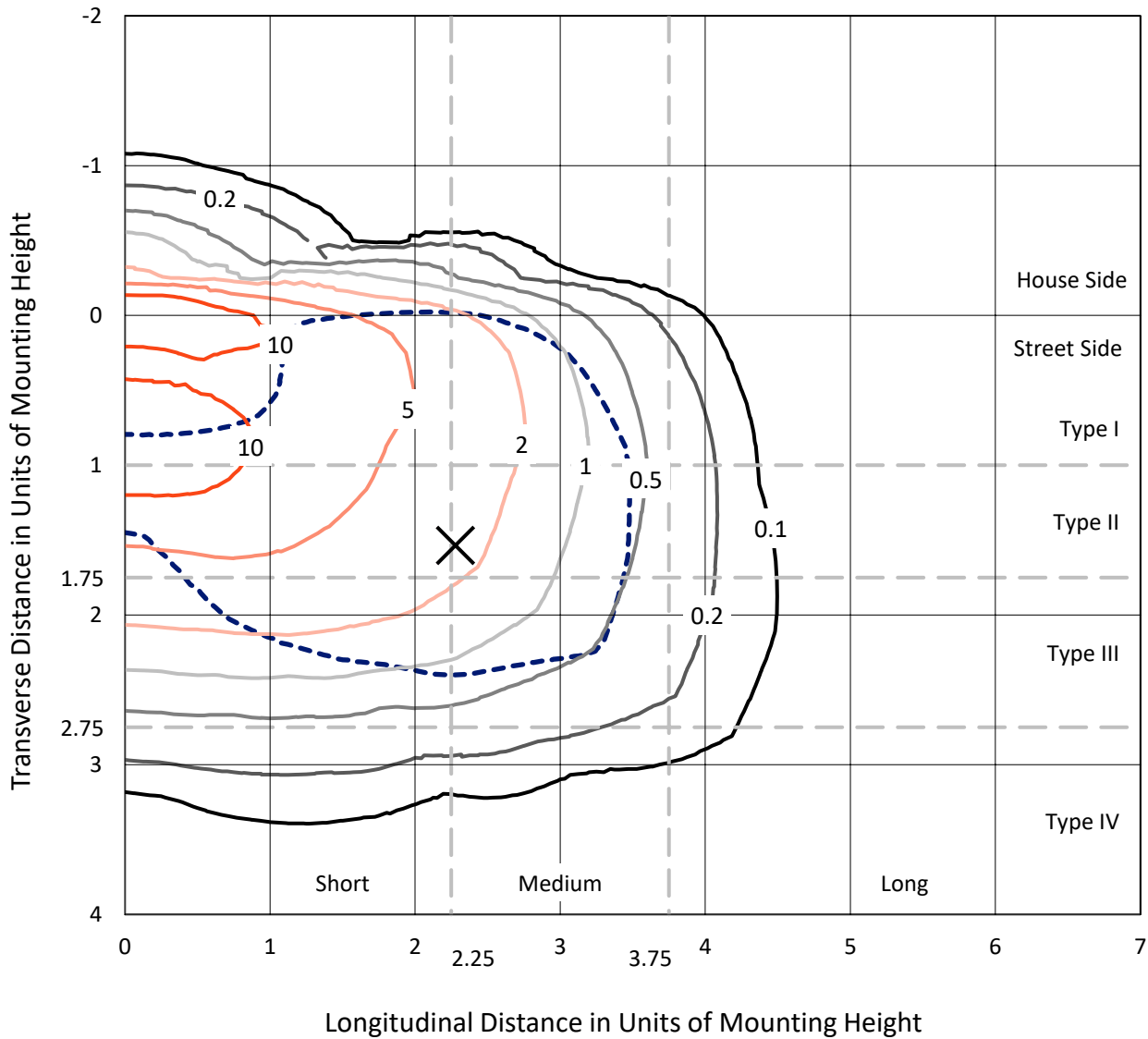
Input Watts (W): 108.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633112
 CATALOG NUMBER: GWS-SA2E-722-U-T3R-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

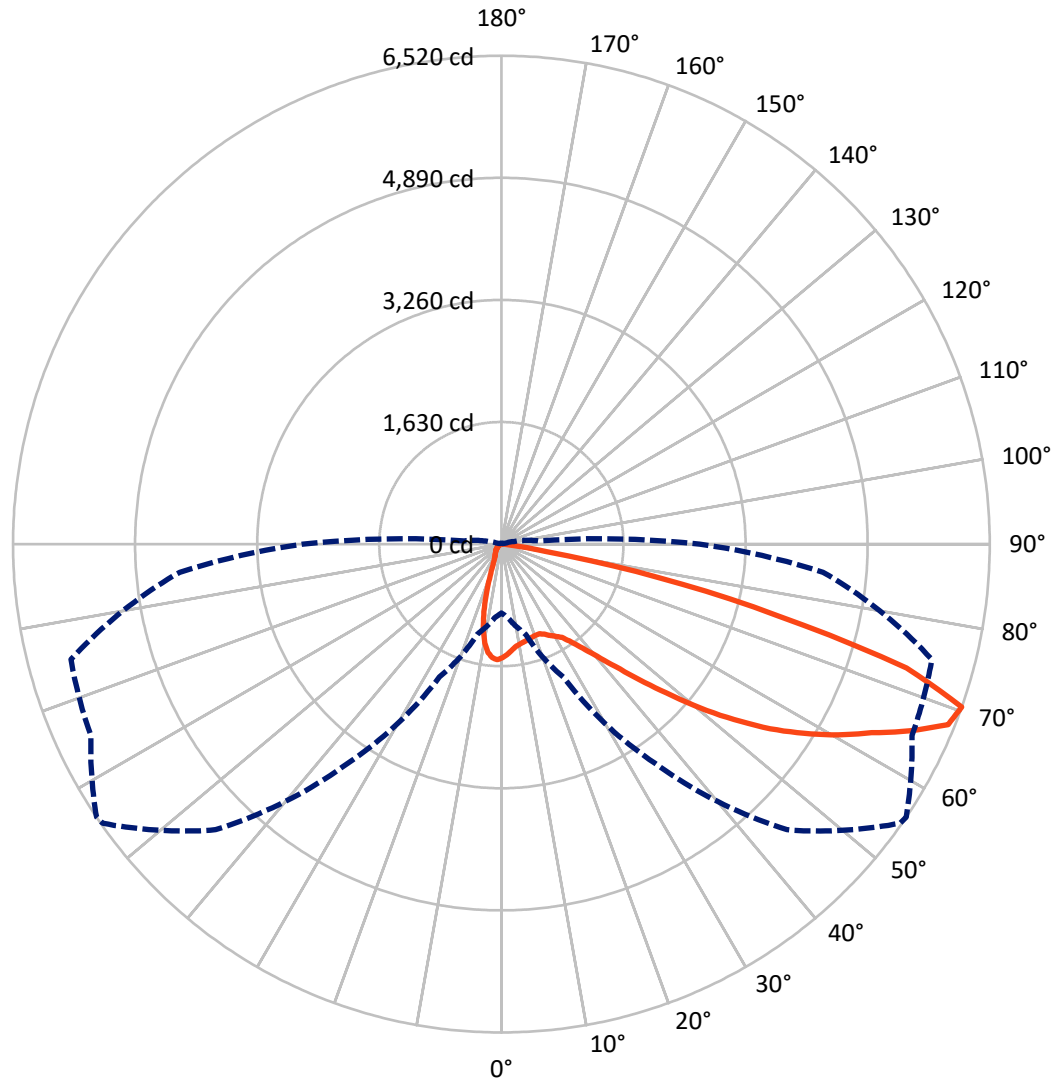
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 fc
 Type III - Medium - N/A

REPORT NUMBER: P633112
CATALOG NUMBER: GWS-SA2E-722-U-T3R-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P633112
 CATALOG NUMBER: GWS-SA2E-722-U-T3R-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.7	0.0	755.7
	% Fixture	9.0	0.0	9.0
Street Side	Lumens	7657.8	0.0	7657.8
	% Fixture	91.0	0.0	91.0
Total	Lumens	8413.5	0.0	8413.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	130.2	1.5
10°-20°	292.9	3.5
20°-30°	464.0	5.5
30°-40°	800.2	9.5
40°-50°	1351.3	16.1
50°-60°	1985.5	23.6
60°-70°	2353.9	28.0
70°-80°	1003.8	11.9
80°-90°	31.5	0.4
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°	8413.5	100.0
0°-180°	8413.5	100.0

Coefficient of Utilization



REPORT NUMBER: P633112

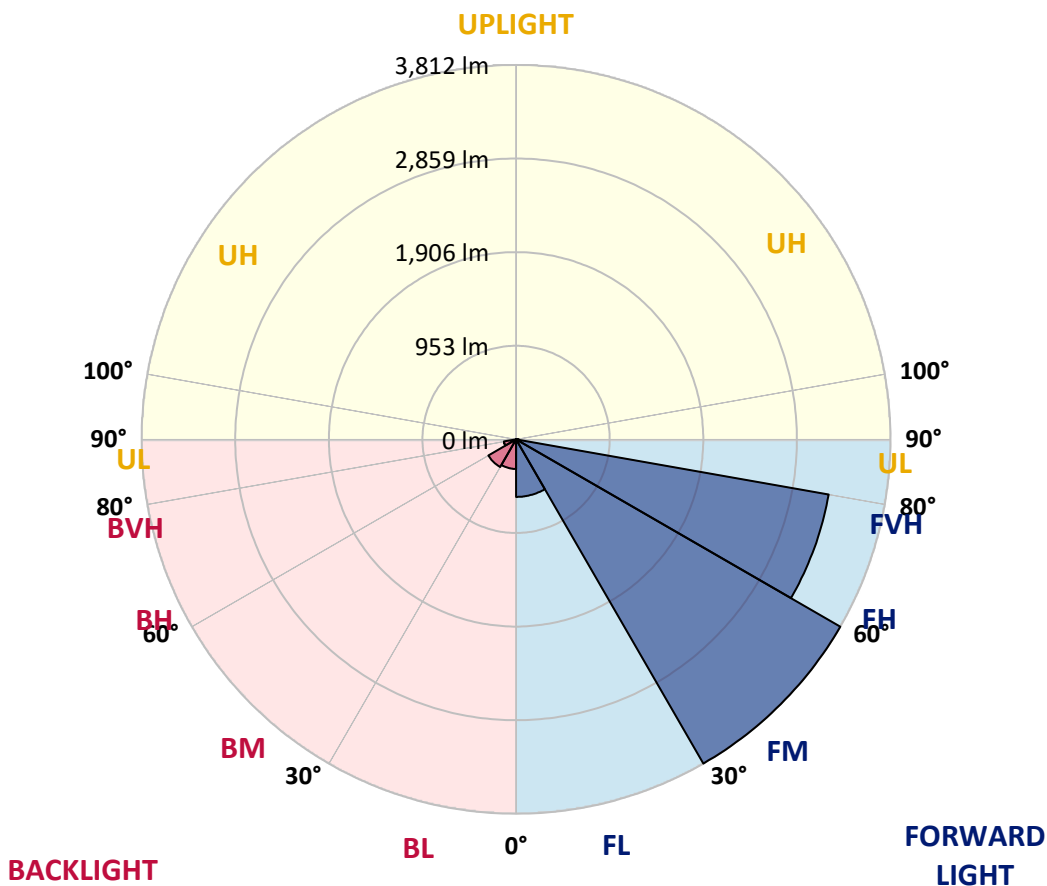
CATALOG NUMBER: GWS-SA2E-722-U-T3R-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	586.3	7.0			
FM (30°-60°)	3811.5	45.3			
FH (60°-80°)	3231.7	38.4			G2/5000
FVH (80°-90°)	28.3	0.3			G1/100
BL (0°-30°)	301.0	3.6	B1/500		
BM (30°-60°)	325.5	3.9	B1/1000		
BH (60°-80°)	126.0	1.5	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: B1-U0-G2

Type III Medium





REPORT NUMBER: P633112

CATALOG NUMBER: GWS-SA2E-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0
2.5°	1412.3	1409.9	1411.5	1423.0	1444.6	1454.6	1471.6	1474.7	1488.5	1506.3	1513.2
5°	1320.6	1312.9	1316.7	1332.9	1357.6	1385.3	1416.9	1425.4	1460.0	1499.3	1528.6
7.5°	1236.6	1228.1	1237.4	1262.8	1297.5	1327.5	1374.5	1379.9	1435.4	1504.7	1557.9
10°	1104.8	1107.2	1125.6	1170.3	1223.5	1285.9	1349.1	1356.8	1425.4	1522.4	1604.9
12.5°	1003.9	998.5	1018.6	1069.4	1144.1	1235.0	1329.8	1339.8	1426.1	1549.4	1665.0
15°	956.9	955.4	963.8	1000.8	1073.3	1180.3	1312.1	1325.2	1436.1	1574.1	1722.0
17.5°	958.5	956.1	955.4	976.9	1030.9	1139.5	1292.8	1309.8	1444.6	1601.0	1782.1
20°	1025.5	1014.7	995.4	985.4	1017.8	1113.3	1279.7	1299.0	1456.9	1629.5	1846.0
22.5°	1165.7	1169.6	1117.9	1064.0	1048.6	1116.4	1278.2	1300.5	1483.9	1674.2	1924.6
25°	1446.2	1440.0	1344.5	1223.5	1139.5	1151.8	1305.2	1332.1	1537.1	1738.2	1998.6
27.5°	1797.5	1802.9	1671.9	1479.3	1303.6	1225.0	1354.5	1381.4	1598.7	1778.2	2047.9
30°	2180.4	2175.0	2034.8	1821.4	1536.3	1346.8	1403.8	1427.7	1629.5	1799.8	2098.7
32.5°	2542.5	2530.2	2391.5	2168.1	1832.9	1538.6	1471.6	1485.4	1670.4	1846.8	2167.3
35°	2851.5	2850.7	2729.7	2491.7	2138.0	1779.0	1587.9	1599.5	1746.6	1921.5	2268.2
37.5°	3170.4	3159.7	3024.1	2806.8	2451.6	2042.5	1765.9	1761.3	1866.8	2031.7	2392.3
40°	3432.4	3425.5	3321.5	3112.7	2777.5	2333.7	1981.6	1967.8	2009.4	2184.3	2564.9
42.5°	3626.6	3627.3	3595.0	3467.8	3122.7	2670.4	2252.8	2231.3	2230.5	2414.6	2792.9
45°	3773.7	3783.7	3832.3	3813.0	3530.3	3062.6	2600.3	2578.0	2540.2	2713.6	3054.1
47.5°	3842.3	3855.4	4001.8	4078.8	3887.0	3451.7	3014.0	2967.0	2893.1	3111.1	3346.1
50°	3835.4	3858.5	4062.6	4296.9	4210.6	3846.1	3464.8	3442.4	3321.5	3531.8	3635.0
52.5°	3678.2	3727.5	4066.5	4429.4	4459.4	4209.8	3930.9	3889.3	3830.7	3971.0	3906.2
55°	3251.3	3311.4	3903.9	4471.8	4653.6	4527.2	4387.0	4353.1	4256.0	4385.5	4142.8
57.5°	3019.4	3071.1	3561.8	4451.0	4818.5	4820.8	4793.0	4765.3	4685.2	4795.4	4420.1
60°	2880.0	2931.6	3379.2	4374.7	4967.9	5130.5	5174.4	5171.3	5055.8	5261.5	4745.3
62.5°	2675.8	2746.7	3188.9	4176.7	5074.3	5435.6	5568.1	5547.3	5418.7	5746.9	5067.3
65°	2263.6	2325.3	2799.1	3850.0	5011.9	5688.3	5995.0	6005.7	5857.0	6203.8	5321.6
67.5°	1587.2	1632.6	2103.4	3164.3	4588.1	5771.5	6431.8	6431.0	6177.6	6438.0	5209.1
70°	919.9	982.3	1242.8	1956.2	3569.5	5393.2	6497.3	6519.6	6047.4	5948.7	4310.7
72.5°	356.0	407.6	704.2	1039.4	1861.4	4131.2	5588.9	5654.4	5061.2	4588.9	3000.2
75°	106.3	118.7	331.3	553.2	747.3	1995.5	3783.7	3802.2	3471.7	2862.3	1537.8
77.5°	79.4	87.8	144.8	279.7	262.0	604.8	1957.7	2138.0	1842.9	1022.4	423.8
80°	53.9	63.9	103.2	136.4	97.1	161.0	550.1	604.0	562.4	229.6	106.3
82.5°	23.9	30.8	73.2	68.6	35.4	46.2	169.5	180.3	116.3	69.3	37.0
85°	2.3	3.1	27.7	30.0	13.1	10.8	35.4	35.4	25.4	23.9	15.4
87.5°	0.0	0.0	0.8	1.5	1.5	2.3	3.1	3.9	4.6	6.2	7.7
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: P633112

CATALOG NUMBER: GWS-SA2E-722-U-T3R-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0	1517.0
2.5°	1530.9	1521.7	1533.2	1542.5	1544.8	1527.8	1517.8	1503.2	1500.1	1500.9	1497.0
5°	1551.7	1547.1	1555.6	1545.5	1519.4	1470.0	1427.7	1380.7	1355.2	1340.6	1339.1
7.5°	1590.2	1587.9	1578.7	1533.2	1451.5	1342.1	1236.6	1133.3	1069.4	1046.3	1042.4
10°	1647.2	1642.6	1604.9	1497.0	1322.9	1112.5	935.3	787.4	697.3	671.1	638.7
12.5°	1712.7	1703.5	1621.1	1419.2	1128.7	837.5	616.4	450.7	372.9	349.8	349.8
15°	1775.9	1755.9	1611.8	1290.5	889.9	544.7	344.4	260.4	236.5	230.4	230.4
17.5°	1840.6	1802.1	1575.6	1114.9	614.8	322.1	229.6	213.4	210.3	211.1	211.9
20°	1901.5	1841.4	1511.6	903.8	392.2	225.0	205.7	201.9	200.3	201.9	201.1
22.5°	1967.8	1877.6	1414.6	673.4	255.0	202.6	195.7	192.6	191.1	193.4	193.4
25°	2033.2	1903.8	1285.9	453.0	202.6	188.8	184.9	181.8	180.3	181.1	181.1
27.5°	2067.1	1893.8	1117.2	288.9	181.8	174.9	171.0	167.2	164.9	164.1	164.9
30°	2090.3	1863.0	910.7	205.7	164.9	156.4	152.6	149.5	143.3	139.5	141.0
32.5°	2126.5	1832.2	686.5	172.6	151.0	137.9	131.7	124.0	115.6	111.7	111.7
35°	2169.6	1789.8	481.5	155.6	136.4	122.5	110.9	97.8	87.8	84.8	84.8
37.5°	2226.6	1749.7	320.5	144.1	124.0	109.4	93.2	77.8	67.0	65.5	64.7
40°	2312.2	1715.8	225.7	135.6	113.3	95.5	76.3	60.1	52.4	50.1	50.1
42.5°	2423.1	1681.1	178.7	127.1	104.0	82.4	60.9	47.8	41.6	40.1	39.3
45°	2560.2	1640.3	155.6	119.4	94.8	68.6	48.5	40.1	35.4	33.9	33.9
47.5°	2708.9	1584.8	144.8	109.4	84.0	55.5	40.8	34.7	32.4	31.6	30.8
50°	2855.3	1510.1	135.6	100.2	71.7	45.5	35.4	31.6	30.0	29.3	29.3
52.5°	2983.2	1423.0	124.0	89.4	58.6	39.3	31.6	29.3	27.7	26.2	25.4
55°	3092.6	1328.3	109.4	77.0	47.8	34.7	29.3	27.0	25.4	23.9	23.1
57.5°	3233.6	1274.3	87.8	62.4	39.3	30.8	27.0	24.7	23.1	20.8	20.8
60°	3390.0	1235.0	65.5	49.3	33.9	28.5	24.7	22.3	20.8	18.5	18.5
62.5°	3515.6	1176.5	51.6	40.1	29.3	25.4	22.3	20.0	18.5	16.2	16.2
65°	3563.4	1055.5	42.4	31.6	23.9	22.3	20.0	18.5	16.2	13.9	13.9
67.5°	3347.7	813.6	35.4	25.4	20.0	19.3	17.7	17.0	13.9	12.3	11.6
70°	2651.2	496.2	29.3	20.8	17.0	16.2	16.2	14.6	12.3	11.6	10.8
72.5°	1816.7	255.8	23.9	17.0	14.6	14.6	13.9	13.1	11.6	10.8	10.8
75°	943.8	85.5	18.5	13.1	11.6	12.3	12.3	11.6	10.8	10.8	10.0
77.5°	270.4	38.5	13.9	10.0	9.2	9.2	10.0	10.0	10.0	9.2	9.2
80°	70.1	22.3	10.0	7.7	7.7	7.7	7.7	8.5	9.2	8.5	8.5
82.5°	28.5	12.3	6.9	6.2	6.2	6.2	6.2	6.9	7.7	7.7	7.7
85°	17.7	6.2	5.4	5.4	5.4	4.6	4.6	5.4	5.4	6.2	6.2
87.5°	10.8	4.6	4.6	4.6	4.6	3.9	3.9	3.9	3.9	3.9	3.9
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)