

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: P634586

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
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
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10194.5 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

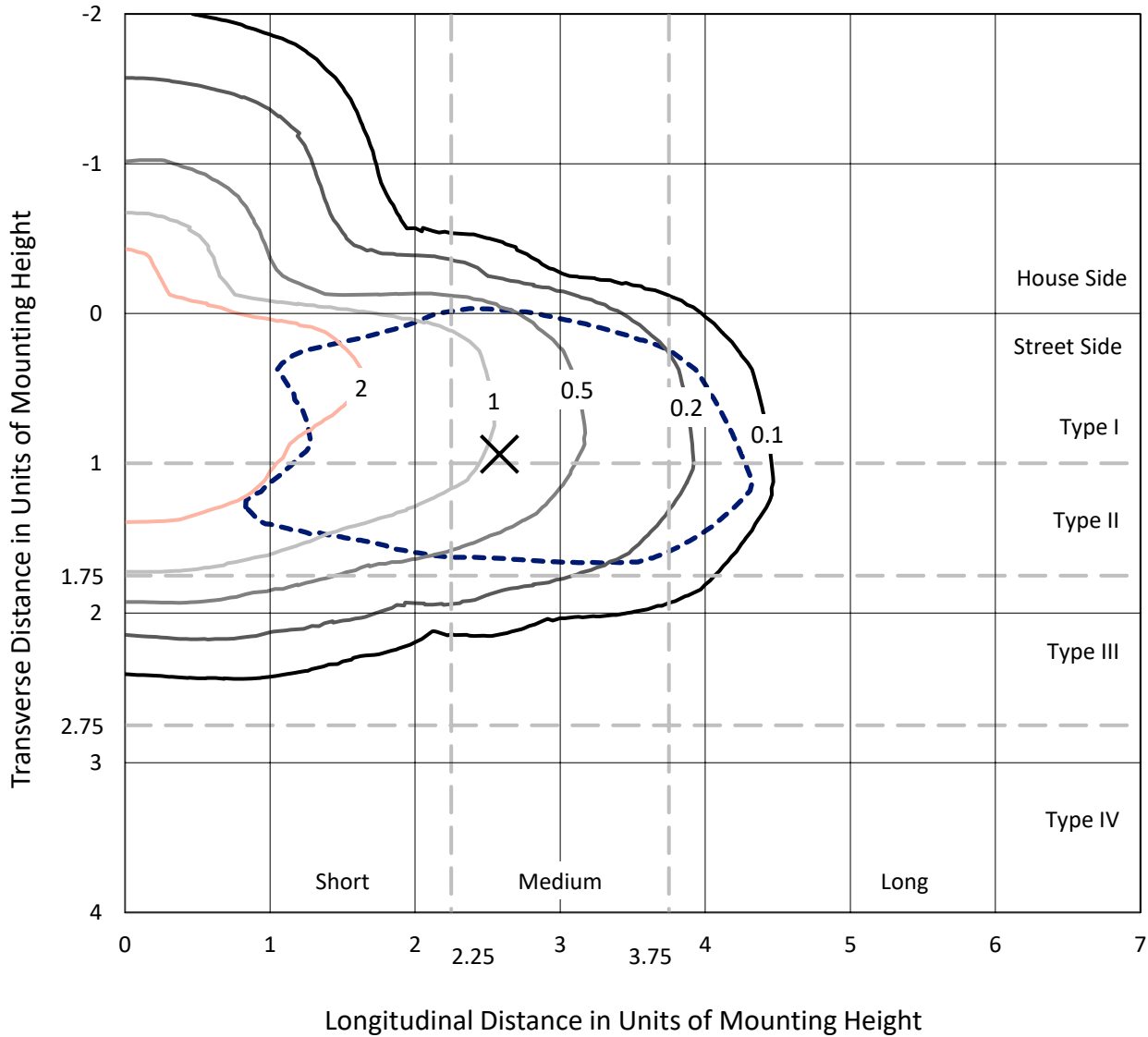
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

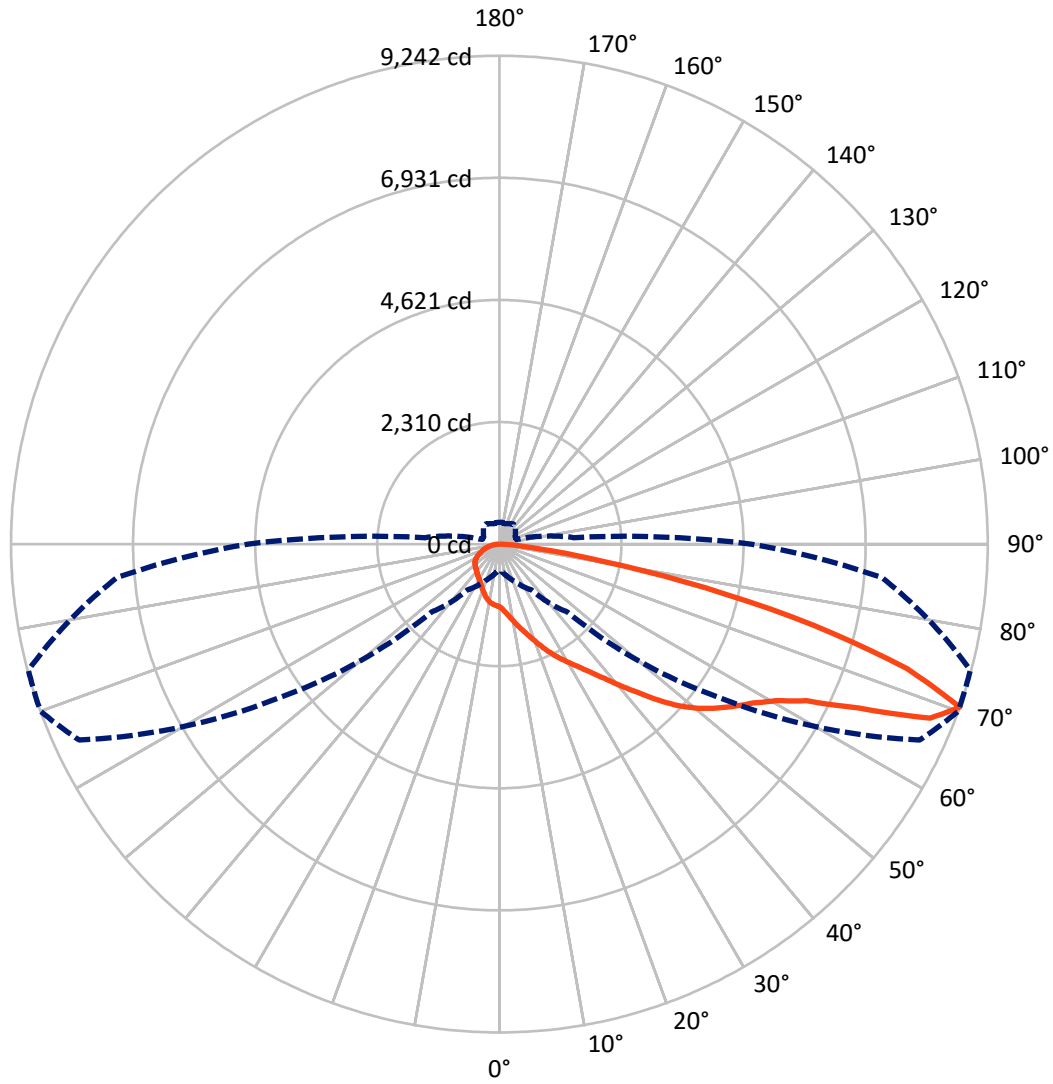
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1826.9	0.0	1826.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	8367.6	0.0	8367.6
	% Fixture	82.1	0.0	82.1
Total	Lumens	10194.5	0.0	10194.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	1.2
10°-20°	393.1	3.9
20°-30°	696.4	6.8
30°-40°	1048.0	10.3
40°-50°	1585.6	15.6
50°-60°	2271.4	22.3
60°-70°	2510.8	24.6
70°-80°	1416.9	13.9
80°-90°	151.6	1.5
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°	10194.5	100.0
0°-180°	10194.5	100.0

Coefficient of Utilization



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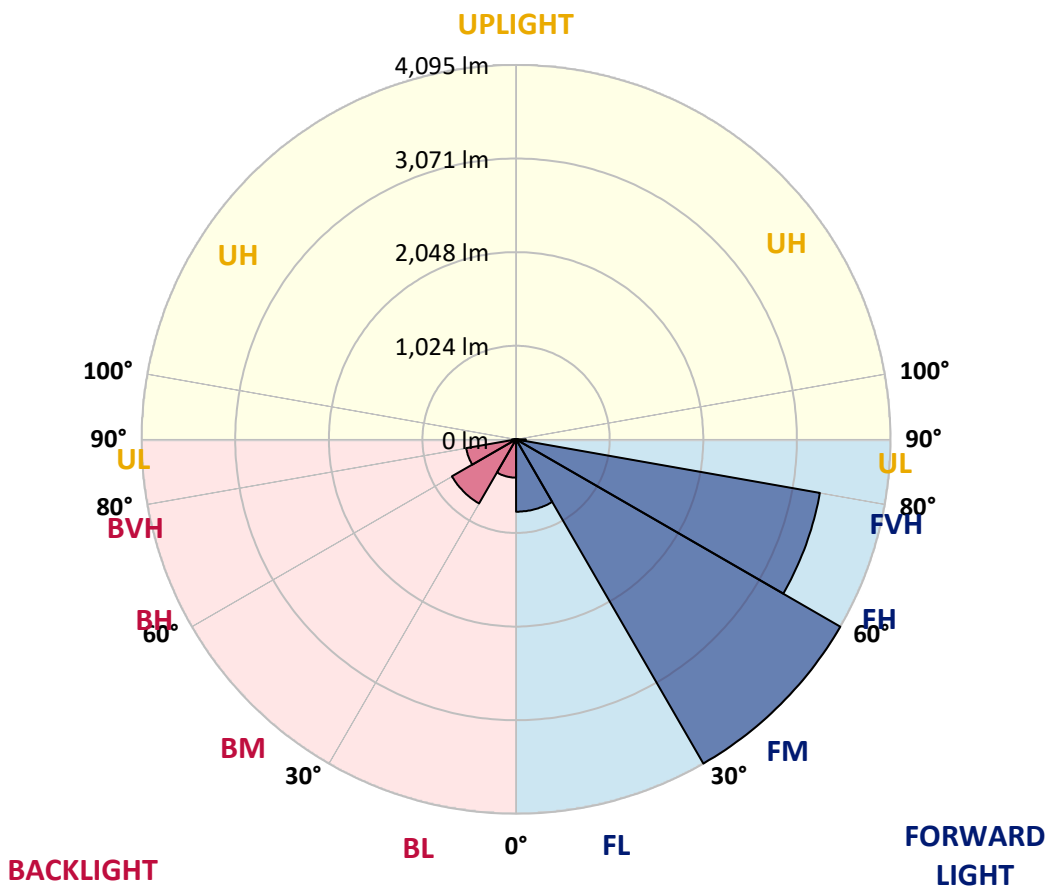
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	791.4	7.8			
FM (30°-60°)	4095.1	40.2			
FH (60°-80°)	3374.0	33.1			G2/5000
FVH (80°-90°)	107.1	1.1			G2/225
BL (0°-30°)	418.9	4.1	B1/500		
BM (30°-60°)	809.9	7.9	B1/1000		
BH (60°-80°)	553.7	5.4	B2/1000		G2/1000
BVH (80°-90°)	44.4	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9
2.5°	1317.1	1314.9	1316.3	1314.9	1306.7	1286.9	1270.7	1250.0	1236.0	1227.9	1208.8
5°	1471.7	1469.5	1464.4	1457.0	1442.3	1415.0	1374.5	1329.6	1302.3	1281.7	1241.2
7.5°	1583.0	1583.0	1582.2	1573.4	1563.1	1534.4	1486.5	1427.6	1387.8	1352.4	1286.1
10°	1639.7	1643.4	1648.5	1661.1	1658.8	1643.4	1598.4	1535.1	1485.0	1443.8	1345.1
12.5°	1670.6	1672.8	1681.7	1707.5	1734.0	1737.7	1711.1	1644.9	1590.3	1535.1	1410.6
15°	1710.4	1711.1	1722.9	1753.9	1792.9	1832.0	1825.3	1759.0	1703.0	1641.9	1483.5
17.5°	1741.3	1746.5	1767.9	1804.0	1852.6	1906.3	1938.8	1897.5	1828.3	1758.3	1563.1
20°	1752.4	1756.1	1784.1	1839.3	1905.6	1981.5	2053.7	2042.6	1972.6	1890.1	1653.0
22.5°	1792.2	1792.2	1812.8	1859.2	1937.3	2047.8	2164.9	2193.6	2131.8	2035.3	1749.5
25°	1879.8	1876.9	1886.5	1905.6	1964.5	2100.8	2274.7	2360.8	2291.6	2183.3	1845.9
27.5°	1999.9	1998.4	1997.7	2000.6	2020.5	2147.2	2367.5	2517.0	2447.8	2325.5	1932.1
30°	2130.3	2125.9	2135.4	2126.6	2122.2	2202.5	2446.3	2657.0	2603.2	2466.2	2003.6
32.5°	2307.8	2299.7	2297.5	2268.8	2251.1	2288.6	2509.6	2816.1	2773.3	2617.9	2083.9
35°	2542.0	2534.7	2497.1	2451.4	2399.1	2416.8	2588.5	2971.5	2974.4	2808.0	2189.2
37.5°	2778.5	2780.0	2750.5	2643.0	2589.2	2578.9	2708.5	3160.8	3224.1	3034.8	2325.5
40°	2975.2	2984.0	2984.0	2870.6	2790.3	2780.7	2877.2	3385.5	3511.4	3313.3	2497.8
42.5°	3124.7	3132.8	3158.6	3076.8	2992.1	3025.3	3082.0	3610.9	3837.0	3657.3	2715.9
45°	3289.0	3295.6	3309.6	3262.4	3213.1	3301.5	3314.0	3880.5	4209.7	4043.3	2969.3
47.5°	3507.0	3501.1	3502.6	3468.0	3429.7	3572.6	3569.6	4107.3	4569.9	4466.1	3244.0
50°	3778.1	3789.1	3778.8	3710.3	3665.4	3795.8	3812.7	4358.5	4886.7	4884.5	3521.0
52.5°	4038.8	4043.3	4097.8	4100.7	4008.6	3981.4	4025.6	4611.9	5154.1	5267.5	3786.9
55°	4052.1	4069.0	4232.6	4350.4	4499.2	4280.4	4240.7	4853.5	5412.6	5642.4	4063.1
57.5°	3770.0	3797.2	4074.9	4329.1	4743.0	4793.9	4609.0	5165.9	5671.2	6011.5	4382.8
60°	3167.4	3224.1	3601.3	3990.2	4633.3	5162.9	5362.5	5590.1	6010.7	6388.6	4771.0
62.5°	2022.7	2044.8	2573.7	3224.9	4139.0	5126.8	6183.1	6337.8	6527.8	6879.9	5369.2
65°	1012.8	1083.6	1393.7	1924.8	2984.7	4517.6	6597.8	7707.2	7474.4	7721.2	6338.5
67.5°	687.3	710.1	867.0	1156.5	1750.2	3200.6	6340.7	8860.7	8792.2	8832.7	7372.0
70°	506.8	521.5	645.3	819.1	1058.5	1817.2	5048.0	8773.8	9241.5	9226.8	7263.7
72.5°	369.8	377.1	470.7	625.4	784.5	939.9	3082.7	7087.7	8067.4	8492.4	6352.5
75°	268.9	277.7	327.1	467.7	609.9	586.3	1521.8	5119.4	6152.2	6969.8	5175.4
77.5°	200.4	211.4	234.2	293.2	427.2	419.9	657.8	3324.3	3979.2	4552.3	3143.9
80°	144.4	146.6	159.8	187.8	271.1	246.0	313.1	1733.2	1987.4	2177.4	1232.3
82.5°	87.7	89.9	106.8	115.6	167.9	154.7	162.8	561.3	804.4	853.7	460.4
85°	25.8	27.3	48.6	53.0	70.0	66.3	65.6	228.3	272.5	348.4	181.2
87.5°	0.0	0.0	0.0	0.0	0.7	4.4	8.1	40.5	61.1	84.7	44.2
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°	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9	1188.9
2.5°	1201.4	1184.5	1175.6	1160.2	1149.1	1138.1	1127.0	1116.7	1112.3	1105.7	1107.1
5°	1222.8	1196.3	1169.7	1139.5	1113.8	1092.4	1073.2	1056.3	1048.9	1042.3	1045.3
7.5°	1255.2	1215.4	1164.6	1109.3	1068.8	1039.4	1019.5	1007.7	1004.0	998.8	998.8
10°	1296.4	1236.8	1147.6	1068.8	1020.2	996.6	987.8	987.1	990.7	991.5	990.0
12.5°	1342.1	1257.4	1122.6	1020.9	979.7	972.3	979.0	991.5	1004.0	1010.6	1009.2
15°	1389.2	1270.7	1079.9	975.3	950.2	959.8	981.2	1006.2	1030.5	1043.0	1042.3
17.5°	1433.4	1273.6	1024.6	931.1	924.4	948.8	985.6	1024.6	1057.8	1075.5	1076.2
20°	1482.8	1268.4	967.9	891.3	898.7	938.4	987.1	1034.2	1073.2	1090.9	1095.3
22.5°	1527.7	1250.8	912.7	853.7	876.6	925.9	975.3	1019.5	1054.1	1071.0	1076.9
25°	1568.2	1216.9	852.3	822.1	859.6	908.2	945.8	976.7	1001.1	1011.4	1019.5
27.5°	1590.3	1166.1	806.6	797.0	843.4	883.2	903.8	913.4	921.5	918.6	924.4
30°	1594.8	1102.7	766.8	777.1	819.1	848.6	853.0	843.4	829.4	806.6	811.7
32.5°	1590.3	1029.8	733.7	755.8	791.9	809.5	803.6	778.6	744.7	709.4	711.6
35°	1591.8	956.1	706.4	732.2	760.2	769.8	755.0	720.4	684.3	651.9	650.4
37.5°	1608.0	894.2	683.6	709.4	729.2	730.7	714.5	678.4	660.0	635.7	632.7
40°	1653.0	848.6	662.9	686.5	699.0	698.3	679.9	654.1	666.6	658.5	656.3
42.5°	1726.6	820.6	646.0	662.2	671.1	672.5	657.8	641.6	668.8	658.5	654.8
45°	1845.2	819.1	634.2	637.9	651.9	662.2	651.9	633.5	643.8	593.7	584.1
47.5°	1985.9	844.2	625.4	616.5	640.9	659.3	643.1	613.6	592.2	546.6	539.9
50°	2155.3	895.0	617.3	593.7	624.6	648.2	632.0	591.5	559.1	534.8	531.1
52.5°	2356.4	962.0	607.0	567.9	600.3	642.3	632.0	589.3	546.6	524.5	520.8
55°	2567.1	1039.4	595.2	537.0	573.1	643.8	637.2	573.8	537.0	525.2	522.3
57.5°	2828.6	1132.2	573.8	500.9	548.8	630.5	616.5	565.0	530.4	520.8	517.8
60°	3168.2	1269.9	533.3	464.1	520.8	607.0	598.1	550.2	512.7	504.6	502.4
62.5°	3705.9	1503.4	484.0	428.7	487.6	557.6	570.9	522.3	490.6	489.8	489.1
65°	4582.5	1784.1	425.8	397.0	453.0	517.1	534.8	493.5	467.7	475.9	475.1
67.5°	5196.8	1808.4	377.9	363.9	412.5	472.9	498.7	464.1	436.1	451.5	450.8
70°	4760.0	1410.6	336.6	329.3	369.0	425.0	459.6	427.2	399.2	414.0	411.0
72.5°	4014.5	1081.3	297.6	293.2	324.8	374.9	409.6	390.4	360.9	360.9	354.3
75°	3226.4	892.0	256.3	254.1	275.5	324.1	363.1	330.7	303.5	302.0	297.6
77.5°	1850.4	584.9	215.1	213.6	220.2	271.1	282.1	275.5	254.9	245.3	242.3
80°	737.3	304.2	169.4	159.8	166.5	198.9	222.5	211.4	193.7	181.9	175.3
82.5°	285.8	152.5	119.3	104.6	114.2	143.6	161.3	157.6	145.8	119.3	112.0
85°	116.4	74.4	71.5	60.4	66.3	77.3	92.8	80.3	66.3	47.1	44.9
87.5°	30.9	27.3	26.5	16.2	12.5	3.7	0.7	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)