

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: P633608

Luminaire Tested: GWS-SA2F-722-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2F-722-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12147.8 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

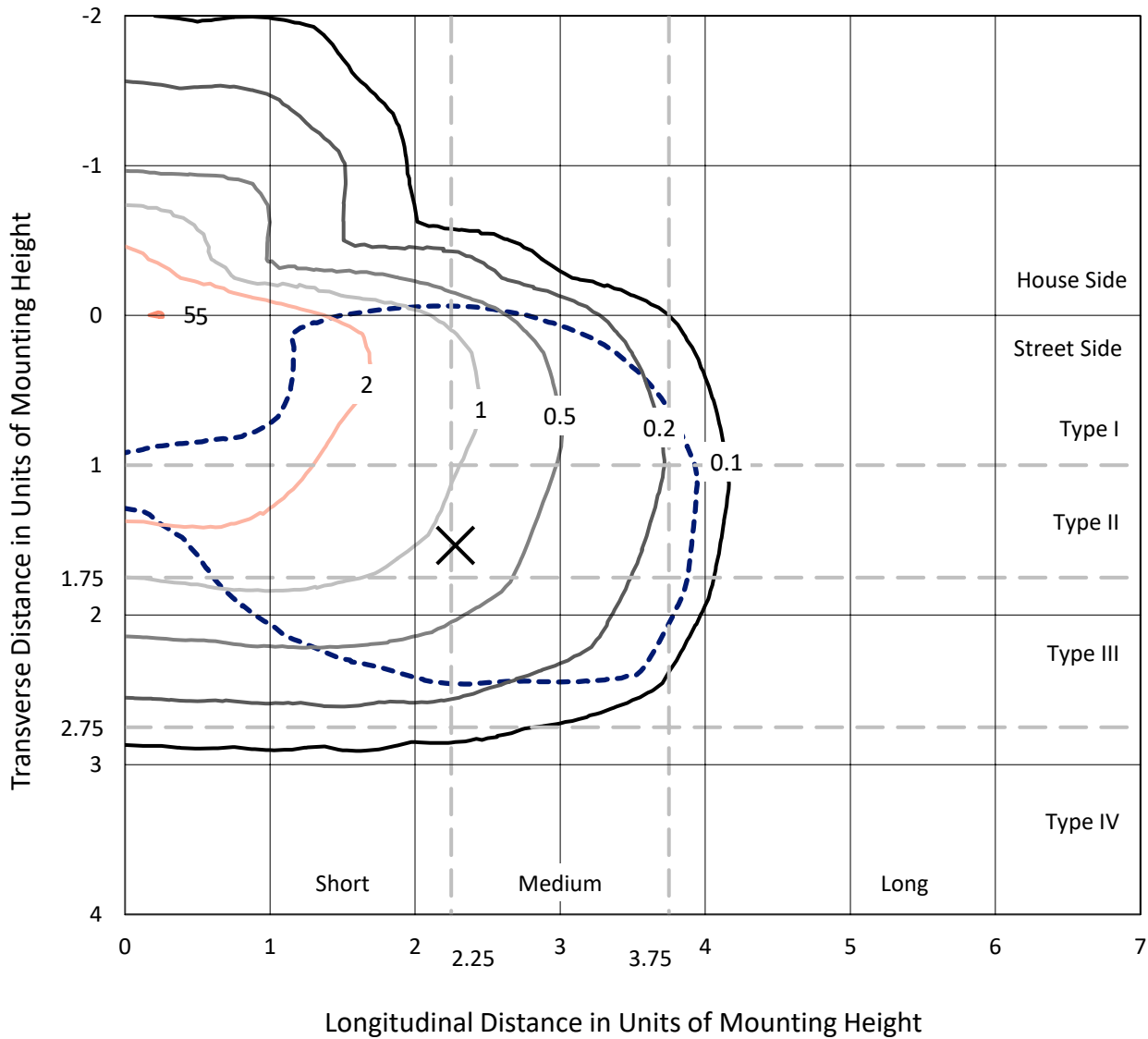
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633608
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W

Iso-Footcandle Lines of Horizontal Illumination

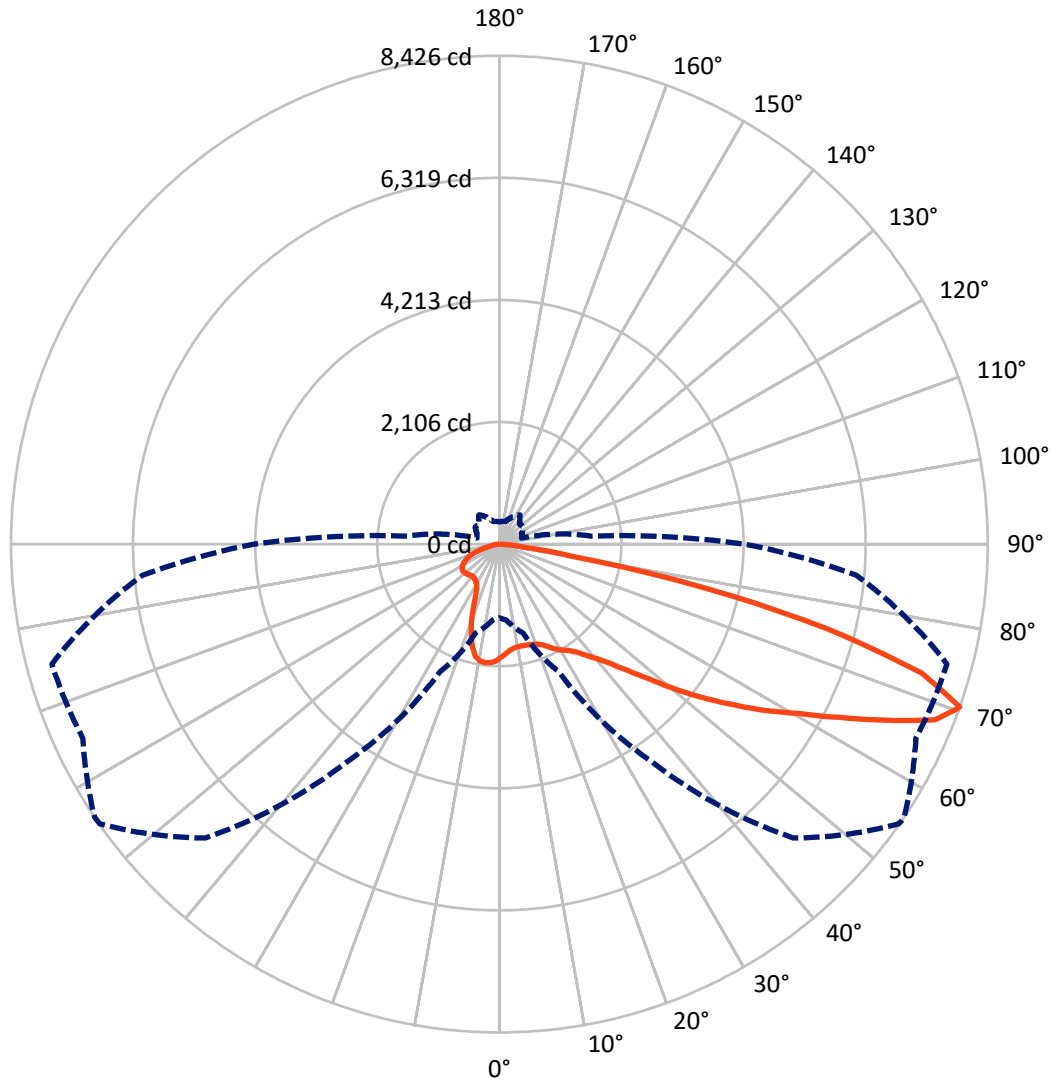
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

REPORT NUMBER: P633608
CATALOG NUMBER: GWS-SA2F-722-U-T3R-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633608

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2335.4	0.0	2335.4
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	9812.4	0.0	9812.4
	% Fixture	80.8	0.0	80.8
Total	Lumens	12147.8	0.0	12147.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.5	1.5
10°-20°	491.7	4.0
20°-30°	812.8	6.7
30°-40°	1215.3	10.0
40°-50°	1808.5	14.9
50°-60°	2571.2	21.2
60°-70°	3184.5	26.2
70°-80°	1758.4	14.5
80°-90°	123.8	1.0
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°	12147.8	100.0
0°-180°	12147.8	100.0

Coefficient of Utilization



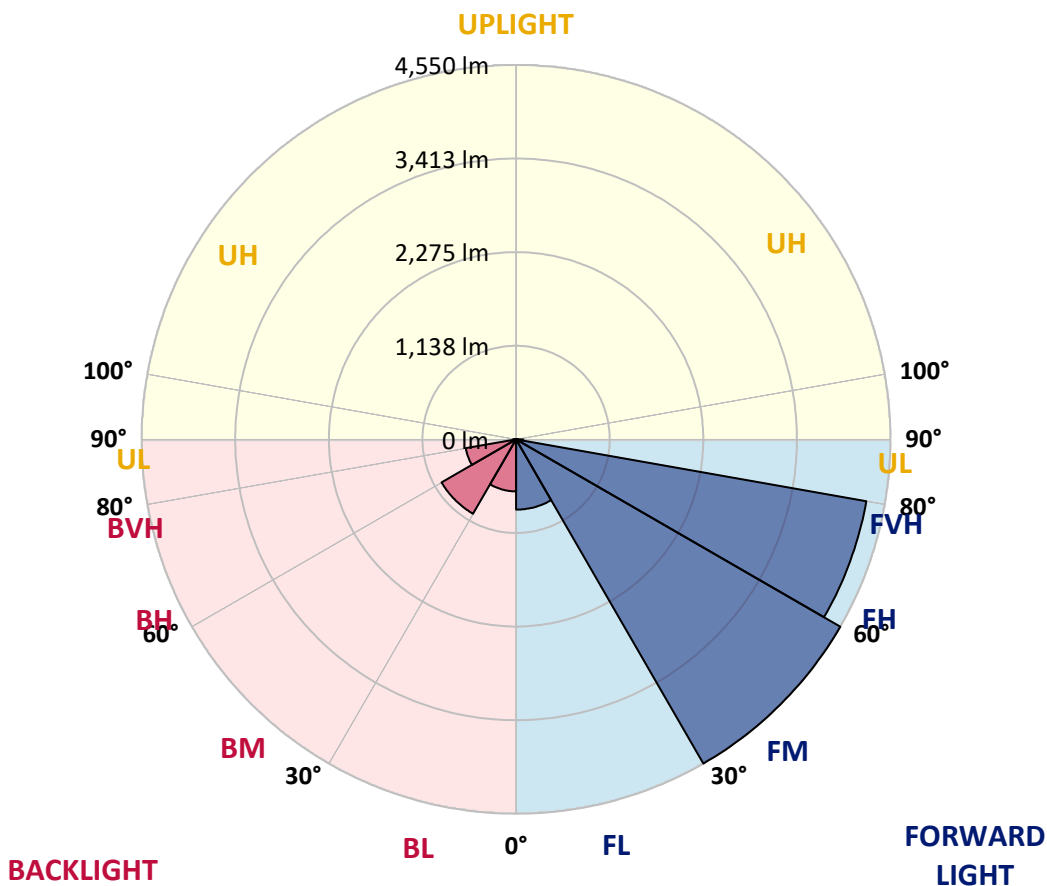
REPORT NUMBER: P633608

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	853.7	7.0			
FM (30°-60°)	4550.4	37.5			
FH (60°-80°)	4322.2	35.6			G2/5000
FVH (80°-90°)	86.1	0.7			G1/100
BL (0°-30°)	632.2	5.2	B2/1000		
BM (30°-60°)	1044.7	8.6	B2/2500		
BH (60°-80°)	620.7	5.1	B2/1000		G2/1000
BVH (80°-90°)	37.8	0.3			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 III Medium





REPORT NUMBER: P633608

CATALOG NUMBER: GWS-SA2F-722-U-T3R-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8
2.5°	1834.9	1824.6	1836.6	1842.6	1858.0	1880.3	1900.0	1900.9	1911.2	1936.0	1960.0
5°	1751.8	1746.7	1750.1	1768.1	1784.4	1812.6	1842.6	1845.2	1874.3	1923.1	1971.1
7.5°	1687.6	1680.7	1693.6	1716.7	1737.3	1769.0	1808.4	1811.8	1852.9	1926.6	2000.2
10°	1595.1	1589.9	1613.9	1644.7	1689.3	1741.5	1793.8	1798.1	1852.0	1948.8	2051.6
12.5°	1554.8	1554.8	1565.1	1594.2	1643.0	1712.4	1791.2	1798.1	1865.8	1983.1	2117.6
15°	1617.3	1621.6	1613.0	1611.3	1631.0	1697.0	1794.7	1804.9	1891.5	2018.2	2182.7
17.5°	1743.3	1747.5	1725.3	1690.1	1670.4	1711.6	1807.5	1818.6	1918.9	2056.8	2253.0
20°	1919.7	1924.9	1876.0	1822.1	1754.4	1753.5	1832.3	1842.6	1954.0	2098.8	2327.5
22.5°	2126.2	2129.6	2067.9	1982.3	1878.6	1831.5	1875.2	1885.5	1999.4	2157.0	2408.0
25°	2365.2	2375.5	2300.9	2176.7	2036.2	1938.6	1946.3	1958.3	2080.8	2235.0	2503.1
27.5°	2620.5	2633.3	2547.6	2410.6	2217.0	2056.8	2037.9	2048.2	2167.3	2282.9	2553.6
30°	2881.7	2891.1	2805.5	2648.7	2411.4	2190.4	2115.0	2121.0	2205.0	2306.1	2605.0
32.5°	3172.1	3164.4	3082.2	2901.4	2635.9	2350.6	2187.0	2185.3	2247.0	2352.3	2678.7
35°	3444.5	3455.7	3368.3	3168.7	2882.6	2548.5	2294.9	2288.1	2336.0	2427.7	2782.4
37.5°	3774.3	3770.9	3666.4	3450.5	3130.2	2737.8	2446.6	2434.6	2451.7	2545.1	2927.1
40°	4009.9	4033.9	3966.2	3764.9	3419.7	2970.8	2623.9	2597.3	2601.6	2689.8	3120.7
42.5°	4202.7	4224.9	4231.8	4103.3	3751.2	3258.6	2844.9	2818.3	2820.9	2946.0	3358.9
45°	4350.9	4380.8	4477.6	4439.9	4124.7	3591.0	3143.9	3116.4	3118.2	3256.9	3646.7
47.5°	4411.7	4444.2	4640.4	4730.3	4521.3	3988.5	3515.6	3475.4	3481.4	3634.7	3975.7
50°	4392.0	4435.7	4701.2	4953.9	4853.7	4392.8	3960.2	3932.0	3908.8	4131.6	4332.9
52.5°	4222.4	4270.3	4695.2	5096.1	5125.3	4774.9	4419.4	4403.1	4398.0	4659.2	4732.1
55°	3722.9	3803.5	4488.8	5133.8	5337.7	5134.7	4917.1	4889.7	4916.2	5224.6	5135.5
57.5°	3446.3	3506.2	4084.4	5091.8	5511.6	5477.3	5413.9	5416.5	5446.5	5838.8	5624.7
60°	3288.6	3358.9	3860.0	4977.1	5678.6	5893.7	5933.9	5933.9	5987.9	6501.0	6121.5
62.5°	3079.6	3150.7	3650.1	4756.0	5832.8	6383.7	6587.5	6585.0	6606.4	7211.2	6607.2
65°	2655.6	2721.5	3228.7	4407.4	5908.2	6923.3	7330.2	7322.5	7279.7	7843.4	6928.5
67.5°	1928.3	1990.8	2473.1	3744.4	5636.7	7358.5	8095.2	8098.6	7842.5	8241.7	6945.6
70°	1271.2	1314.1	1589.9	2432.0	4583.9	7170.9	8415.6	8425.9	7929.0	7993.3	6181.5
72.5°	793.2	823.2	992.8	1450.3	2708.7	5676.1	7593.2	7621.5	7133.2	7024.4	5079.0
75°	526.8	547.4	660.5	845.5	1253.3	3071.9	5772.0	5862.8	5717.2	5506.5	3538.8
77.5°	317.0	334.1	420.6	537.1	555.1	1200.1	3369.2	3603.9	3624.4	2874.9	1482.0
80°	144.8	164.5	232.1	306.7	295.5	418.0	1188.2	1243.0	1466.6	913.2	467.7
82.5°	85.7	94.2	154.2	152.5	125.9	203.0	427.5	438.6	372.6	334.1	199.6
85°	34.3	40.3	65.1	57.4	46.3	66.0	161.0	168.8	161.9	145.6	73.7
87.5°	0.0	0.0	0.0	0.0	0.9	1.7	14.6	15.4	22.3	40.3	22.3
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: P633608
 CATALOG NUMBER: GWS-SA2F-722-U-T3R-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8	1960.8
2.5°	1975.4	1970.3	1996.0	2015.7	2024.2	2032.8	2025.1	2022.5	2022.5	2005.4	1996.8
5°	1996.8	1999.4	2034.5	2050.8	2050.8	2043.9	2023.4	2008.8	2003.7	1981.4	1975.4
7.5°	2037.1	2048.2	2080.8	2079.9	2055.9	2018.2	1966.8	1927.4	1891.5	1876.0	1866.6
10°	2103.0	2117.6	2139.9	2103.9	2037.1	1937.7	1828.9	1743.3	1691.9	1650.7	1650.7
12.5°	2178.4	2192.1	2187.9	2104.8	1966.8	1780.9	1624.2	1525.7	1453.7	1416.0	1416.0
15°	2253.8	2264.9	2218.7	2065.4	1820.4	1572.8	1401.5	1283.2	1220.7	1185.6	1185.6
17.5°	2330.1	2329.2	2231.5	1974.5	1629.3	1342.3	1174.4	1082.8	1061.4	1055.4	1054.5
20°	2403.7	2384.0	2215.3	1822.9	1407.5	1110.2	1004.0	1010.0	1041.7	1055.4	1057.1
22.5°	2486.8	2438.0	2167.3	1629.3	1155.6	949.2	956.0	1005.7	1052.0	1072.5	1075.1
25°	2571.6	2484.2	2086.8	1402.3	944.9	890.0	943.2	998.8	1051.1	1077.6	1080.2
27.5°	2605.9	2484.2	1949.7	1139.3	832.7	865.2	923.5	977.4	1032.2	1063.1	1069.1
30°	2634.2	2462.8	1757.8	902.0	786.4	841.2	891.8	941.4	995.4	1033.1	1040.0
32.5°	2673.6	2444.0	1525.7	758.1	765.0	818.1	853.2	895.2	944.0	968.9	966.3
35°	2719.8	2414.9	1245.5	689.6	747.0	798.4	823.2	848.1	825.8	824.9	827.5
37.5°	2785.8	2389.2	1001.4	658.8	735.0	784.7	805.2	752.1	721.3	708.4	703.3
40°	2880.9	2378.9	789.8	640.8	733.3	783.8	769.3	687.0	645.0	600.5	599.6
42.5°	3000.8	2371.2	652.8	632.2	739.3	803.5	719.6	644.2	557.7	538.0	536.3
45°	3155.0	2359.2	584.2	630.5	753.8	818.9	714.4	585.1	526.0	517.4	517.4
47.5°	3340.9	2340.3	553.4	630.5	770.1	812.1	699.0	572.2	511.4	520.8	526.8
50°	3554.2	2316.3	537.1	628.8	786.4	812.1	666.5	569.7	508.0	556.8	576.5
52.5°	3782.1	2288.9	526.0	621.9	797.5	812.9	668.2	578.2	511.4	565.4	581.7
55°	4033.9	2284.7	510.6	607.4	801.0	790.7	672.5	597.1	516.6	512.3	513.1
57.5°	4351.7	2336.0	499.4	585.9	787.2	745.3	681.0	610.8	510.6	511.4	517.4
60°	4684.1	2432.8	508.8	565.4	759.0	702.4	687.0	603.9	481.4	467.7	469.4
62.5°	4966.8	2506.5	516.6	556.0	717.9	664.8	681.0	588.5	465.2	461.7	469.4
65°	5085.0	2445.7	497.7	536.3	657.9	618.5	668.2	568.8	451.4	438.6	439.5
67.5°	4953.9	2160.4	460.9	492.6	590.2	559.4	647.6	543.1	432.6	417.2	413.8
70°	4231.8	1587.3	397.5	423.2	508.0	490.0	615.9	509.7	402.6	391.5	383.8
72.5°	3410.3	1123.9	329.8	336.7	398.3	412.9	561.1	467.7	368.4	336.7	325.5
75°	2373.7	705.9	275.0	268.1	287.8	315.2	437.7	388.1	317.8	284.4	274.1
77.5°	1021.1	362.4	215.0	211.6	191.9	218.4	335.8	323.8	266.4	227.9	221.9
80°	341.8	209.9	155.1	149.1	127.6	153.3	236.4	258.7	209.0	168.8	158.5
82.5°	171.3	121.6	98.5	89.1	85.7	96.8	139.6	161.0	144.8	116.5	98.5
85°	84.0	69.4	54.0	53.1	44.5	42.0	58.3	68.5	65.1	48.0	45.4
87.5°	30.8	27.4	17.1	13.7	8.6	6.0	3.4	3.4	2.6	2.6	2.6
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)