

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: P633816

Luminaire Tested: GWS-SA2F-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633816
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-SA2F-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16095.2 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

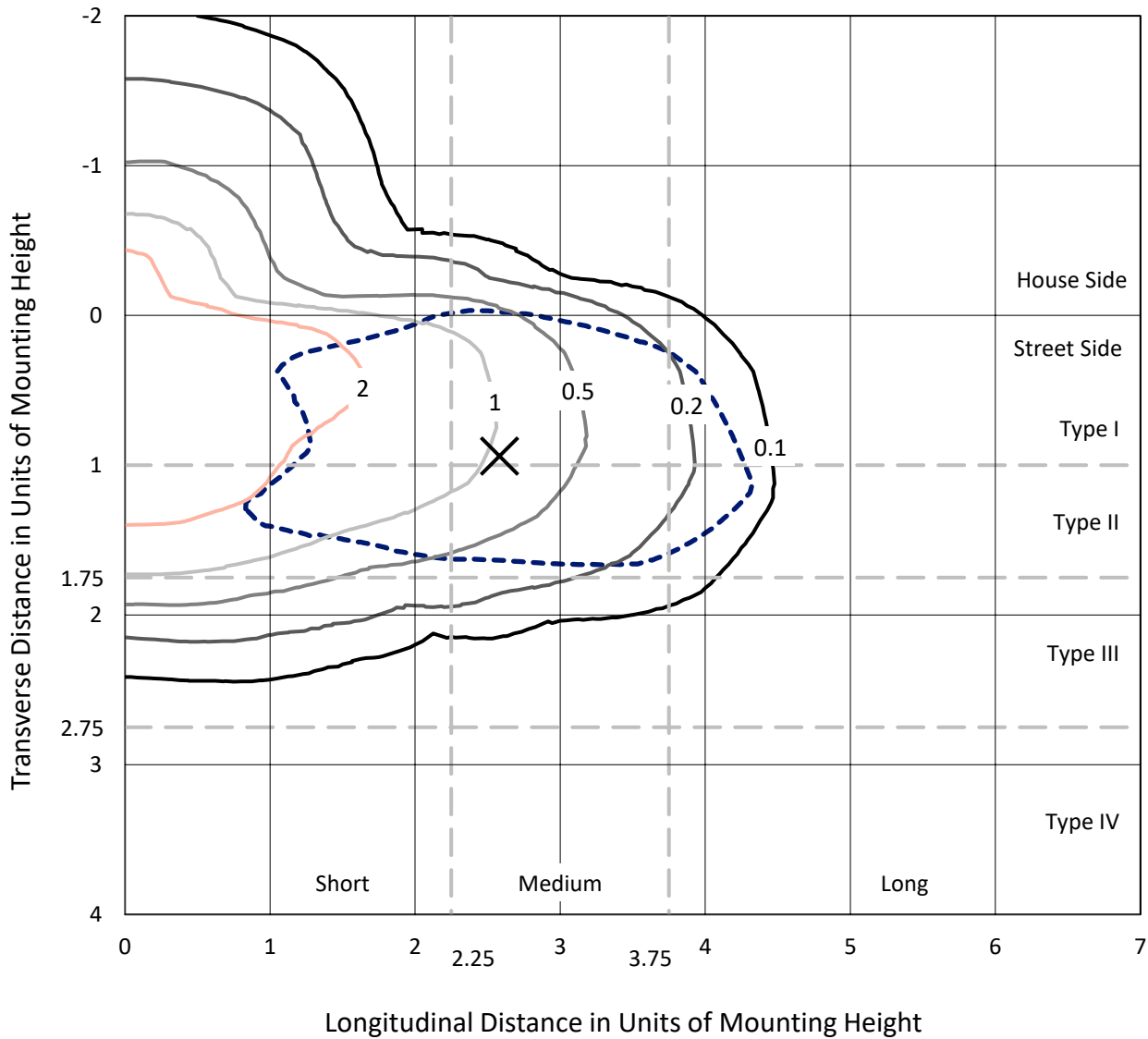
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633816
 CATALOG NUMBER: GWS-SA2F-740-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

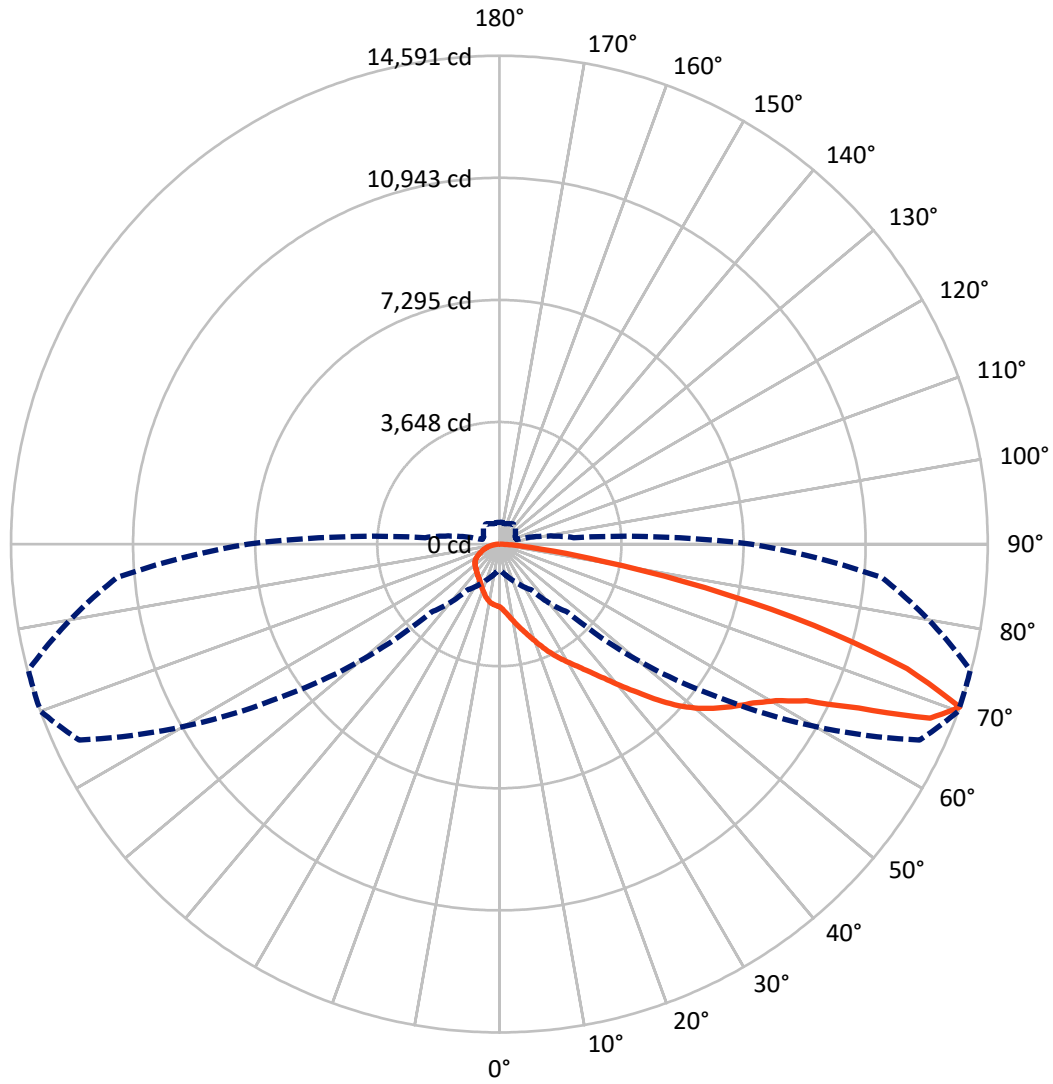
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Medium - N/A

REPORT NUMBER: P633816
CATALOG NUMBER: GWS-SA2F-740-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633816

CATALOG NUMBER: GWS-SA2F-740-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2884.3	0.0	2884.3
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	13210.9	0.0	13210.9
	% Fixture	82.1	0.0	82.1
Total	Lumens	16095.2	0.0	16095.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.8	1.2
10°-20°	620.6	3.9
20°-30°	1099.4	6.8
30°-40°	1654.7	10.3
40°-50°	2503.3	15.6
50°-60°	3586.1	22.3
60°-70°	3964.0	24.6
70°-80°	2237.0	13.9
80°-90°	239.3	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°	16095.2	100.0
0°-180°	16095.2	100.0

Coefficient of Utilization



REPORT NUMBER: P633816

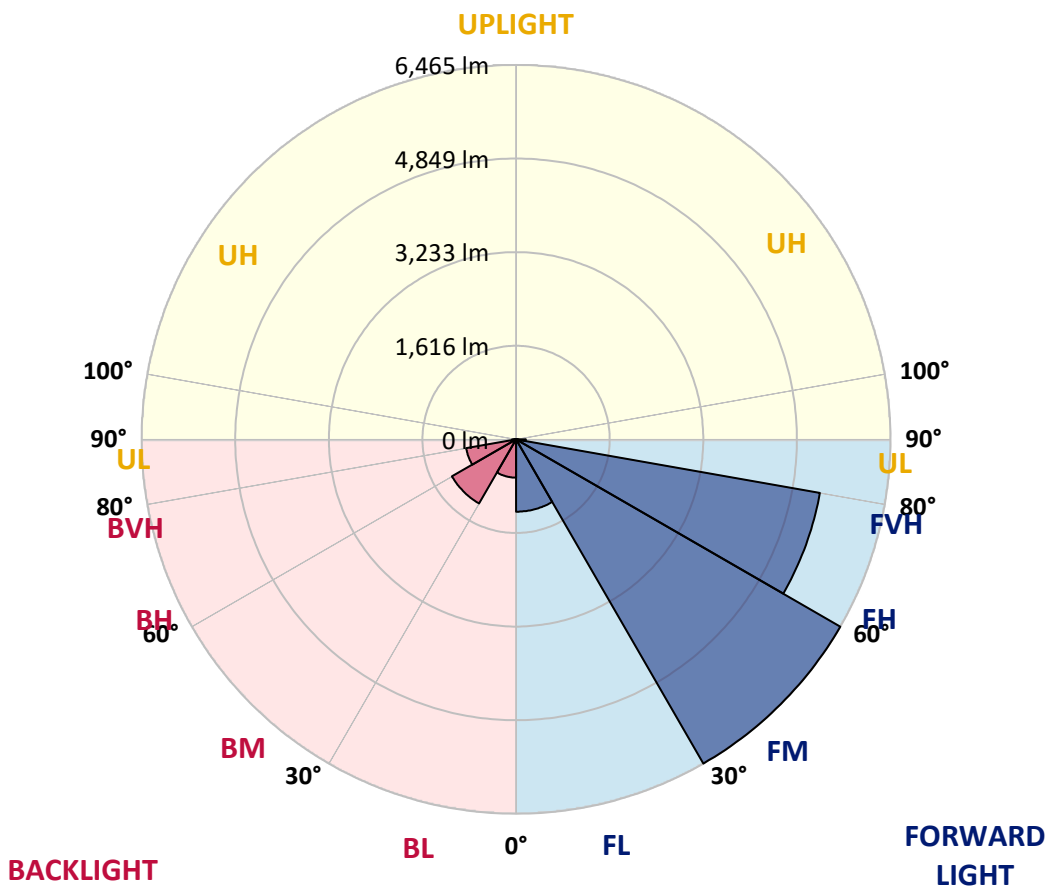
CATALOG NUMBER: GWS-SA2F-740-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1249.5	7.8			
FM (30°-60°)	6465.4	40.2			
FH (60°-80°)	5326.8	33.1			G3/7500
FVH (80°-90°)	169.2	1.1			G2/225
BL (0°-30°)	661.3	4.1	B2/1000		
BM (30°-60°)	1278.6	7.9	B2/2500		
BH (60°-80°)	874.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	70.1	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-G3

Type II Medium





REPORT NUMBER: P633816
 CATALOG NUMBER: GWS-SA2F-740-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0
2.5°	2079.4	2075.9	2078.2	2075.9	2063.1	2031.7	2006.1	1973.6	1951.5	1938.7	1908.4
5°	2323.6	2320.1	2312.0	2300.4	2277.1	2234.1	2170.1	2099.2	2056.1	2023.6	1959.6
7.5°	2499.2	2499.2	2498.1	2484.1	2467.8	2422.5	2346.9	2253.8	2191.0	2135.2	2030.5
10°	2588.8	2594.6	2602.7	2622.5	2619.0	2594.6	2523.6	2423.6	2344.5	2279.4	2123.6
12.5°	2637.6	2641.1	2655.1	2695.8	2737.6	2743.4	2701.6	2596.9	2510.9	2423.6	2227.1
15°	2700.4	2701.6	2720.2	2769.0	2830.7	2892.3	2881.8	2777.2	2688.8	2592.3	2342.2
17.5°	2749.3	2757.4	2791.1	2848.1	2924.9	3009.8	3060.9	2995.8	2886.5	2776.0	2467.8
20°	2766.7	2772.5	2816.7	2903.9	3008.6	3128.4	3242.4	3224.9	3114.4	2984.2	2609.7
22.5°	2829.5	2829.5	2862.1	2935.3	3058.6	3233.1	3418.0	3463.3	3365.6	3213.3	2762.1
25°	2967.9	2963.2	2978.4	3008.6	3101.6	3316.8	3591.3	3727.3	3618.0	3447.0	2914.4
27.5°	3157.5	3155.1	3154.0	3158.6	3190.0	3390.1	3737.8	3973.9	3864.5	3671.5	3050.5
30°	3363.3	3356.3	3371.5	3357.5	3350.5	3477.3	3862.2	4194.8	4109.9	3893.6	3163.3
32.5°	3643.6	3630.8	3627.3	3581.9	3554.0	3613.3	3962.2	4446.0	4378.6	4133.2	3290.0
35°	4013.4	4001.8	3942.5	3870.4	3787.8	3815.7	4086.7	4691.4	4696.1	4433.2	3456.3
37.5°	4386.7	4389.0	4342.5	4172.7	4087.8	4071.6	4276.2	4990.3	5090.3	4791.4	3671.5
40°	4697.2	4711.2	4711.2	4532.1	4405.3	4390.2	4542.6	5345.0	5543.9	5231.0	3943.6
42.5°	4933.3	4946.1	4986.8	4857.7	4724.0	4776.3	4865.9	5700.9	6057.9	5774.1	4287.9
45°	5192.7	5203.1	5225.2	5150.8	5072.9	5212.4	5232.2	6126.5	6646.4	6383.5	4687.9
47.5°	5536.9	5527.6	5529.9	5475.3	5414.8	5640.4	5635.8	6484.7	7215.1	7051.1	5121.7
50°	5964.9	5982.3	5966.0	5857.9	5786.9	5992.8	6019.5	6881.3	7715.1	7711.7	5559.0
52.5°	6376.6	6383.5	6469.6	6474.3	6328.9	6285.9	6355.6	7281.4	8137.3	8316.4	5978.8
55°	6397.5	6424.2	6682.4	6868.5	7103.4	6758.0	6695.2	7662.8	8545.5	8908.4	6414.9
57.5°	5952.1	5995.1	6433.6	6834.8	7488.4	7568.6	7276.7	8155.9	8953.7	9491.0	6919.7
60°	5000.8	5090.3	5685.8	6299.8	7315.1	8151.3	8466.4	8825.8	9489.8	10086.4	7532.6
62.5°	3193.5	3228.4	4063.4	5091.5	6534.7	8094.3	9762.0	10006.2	10306.2	10862.1	8476.9
65°	1599.1	1710.7	2200.3	3038.8	4712.4	7132.5	10416.7	12168.2	11800.7	12190.3	10007.4
67.5°	1085.1	1121.1	1368.8	1825.9	2763.2	5053.1	10010.8	13989.4	13881.2	13945.2	11639.0
70°	800.1	823.4	1018.8	1293.2	1671.2	2869.0	7969.8	13852.1	14590.6	14567.4	11468.0
72.5°	583.8	595.4	743.1	987.4	1238.6	1483.9	4867.0	11190.1	12736.8	13407.9	10029.5
75°	424.5	438.4	516.4	738.5	962.9	925.7	2402.7	8082.6	9713.1	11004.0	8171.0
77.5°	316.3	333.8	369.8	462.9	674.5	662.9	1038.5	5248.5	6282.4	7187.2	4963.6
80°	227.9	231.4	252.4	296.6	428.0	388.4	494.3	2736.5	3137.7	3437.7	1945.6
82.5°	138.4	141.9	168.6	182.6	265.2	244.2	257.0	886.2	1270.0	1347.9	726.9
85°	40.7	43.0	76.8	83.7	110.5	104.7	103.5	360.5	430.3	550.1	286.1
87.5°	0.0	0.0	0.0	0.0	1.2	7.0	12.8	64.0	96.5	133.7	69.8
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: P633816

CATALOG NUMBER: GWS-SA2F-740-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0	1877.0
2.5°	1896.8	1870.1	1856.1	1831.7	1814.2	1796.8	1779.3	1763.1	1756.1	1745.6	1747.9
5°	1930.5	1888.7	1846.8	1799.1	1758.4	1724.7	1694.4	1667.7	1656.1	1645.6	1650.3
7.5°	1981.7	1918.9	1838.7	1751.4	1687.5	1641.0	1609.6	1590.9	1585.1	1577.0	1577.0
10°	2046.8	1952.6	1811.9	1687.5	1610.7	1573.5	1559.5	1558.4	1564.2	1565.4	1563.0
12.5°	2118.9	1985.2	1772.4	1611.9	1546.8	1535.1	1545.6	1565.4	1585.1	1595.6	1593.3
15°	2193.4	2006.1	1704.9	1539.8	1500.2	1515.3	1549.1	1588.6	1627.0	1646.8	1645.6
17.5°	2263.1	2010.8	1617.7	1470.0	1459.5	1497.9	1556.1	1617.7	1670.0	1697.9	1699.1
20°	2341.1	2002.6	1528.1	1407.2	1418.8	1481.6	1558.4	1632.8	1694.4	1722.4	1729.3
22.5°	2412.0	1974.7	1440.9	1347.9	1383.9	1461.9	1539.8	1609.6	1664.2	1691.0	1700.3
25°	2476.0	1921.2	1345.6	1297.9	1357.2	1433.9	1493.3	1542.1	1580.5	1596.8	1609.6
27.5°	2510.9	1841.0	1273.5	1258.3	1331.6	1394.4	1427.0	1442.1	1454.9	1450.2	1459.5
30°	2517.8	1741.0	1210.7	1226.9	1293.2	1339.7	1346.7	1331.6	1309.5	1273.5	1281.6
32.5°	2510.9	1625.8	1158.3	1193.2	1250.2	1278.1	1268.8	1229.3	1175.8	1119.9	1123.4
35°	2513.2	1509.5	1115.3	1156.0	1200.2	1215.3	1192.0	1137.4	1080.4	1029.2	1026.9
37.5°	2538.8	1411.8	1079.2	1119.9	1151.3	1153.7	1128.1	1071.1	1042.0	1003.6	999.0
40°	2609.7	1339.7	1046.7	1083.9	1103.7	1102.5	1073.4	1032.7	1052.5	1039.7	1036.2
42.5°	2726.0	1295.5	1019.9	1045.5	1059.5	1061.8	1038.5	1012.9	1056.0	1039.7	1033.9
45°	2913.2	1293.2	1001.3	1007.1	1029.2	1045.5	1029.2	1000.2	1016.4	937.4	922.2
47.5°	3135.4	1332.8	987.4	973.4	1011.8	1040.9	1015.3	968.8	935.0	862.9	852.5
50°	3402.9	1413.0	974.6	937.4	986.2	1023.4	997.8	933.9	882.7	844.3	838.5
52.5°	3720.3	1518.8	958.3	896.6	947.8	1014.1	997.8	930.4	862.9	828.0	822.2
55°	4053.0	1641.0	939.7	847.8	904.8	1016.4	1006.0	906.0	847.8	829.2	824.5
57.5°	4465.8	1787.5	906.0	790.8	866.4	995.5	973.4	892.0	837.3	822.2	817.6
60°	5001.9	2005.0	842.0	732.7	822.2	958.3	944.3	868.7	809.4	796.6	793.1
62.5°	5850.9	2373.6	764.1	676.8	769.9	880.4	901.3	824.5	774.5	773.4	772.2
65°	7234.8	2816.7	672.2	626.8	715.2	816.4	844.3	779.2	738.5	751.3	750.1
67.5°	8204.8	2855.1	596.6	574.5	651.3	746.6	787.3	732.7	688.5	712.9	711.7
70°	7515.1	2227.1	531.5	519.8	582.6	671.0	725.7	674.5	630.3	653.6	648.9
72.5°	6338.2	1707.2	469.8	462.9	512.9	592.0	646.6	616.4	569.9	569.9	559.4
75°	5093.8	1408.4	404.7	401.2	435.0	511.7	573.3	522.2	479.1	476.8	469.8
77.5°	2921.4	923.4	339.6	337.3	347.7	428.0	445.4	435.0	402.4	387.3	382.6
80°	1164.1	480.3	267.5	252.4	262.8	314.0	351.2	333.8	305.9	287.3	276.8
82.5°	451.2	240.7	188.4	165.1	180.3	226.8	254.7	248.9	230.3	188.4	176.8
85°	183.7	117.5	112.8	95.4	104.7	122.1	146.5	126.8	104.7	74.4	70.9
87.5°	48.8	43.0	41.9	25.6	19.8	5.8	1.2	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)