

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: P635301

Luminaire Tested: GWS-SA3D-740-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635301
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-SA3D-740-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17460 lumens
Efficiency: N/A
Efficacy: 144.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

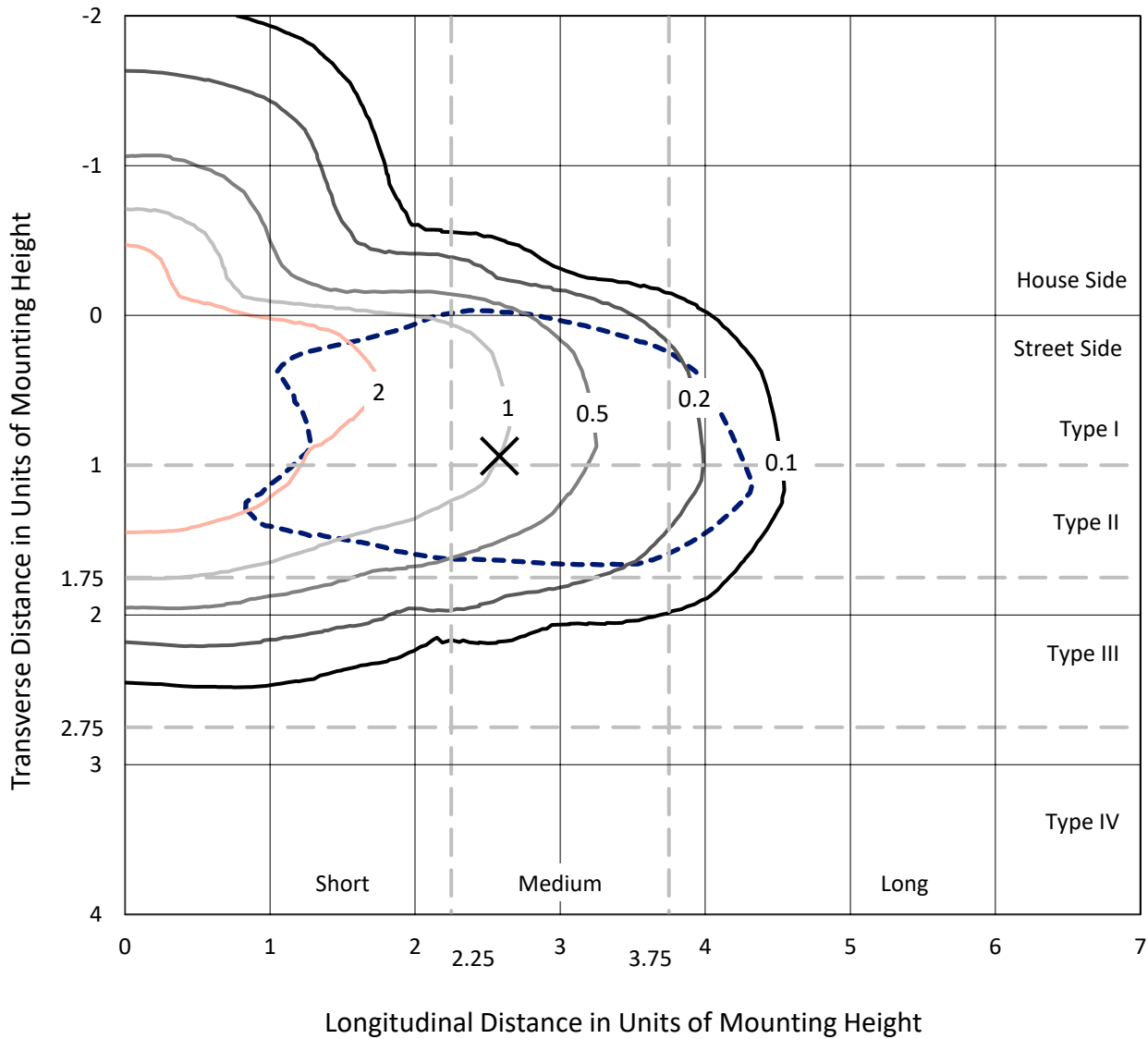
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635301
 CATALOG NUMBER: GWS-SA3D-740-U-T2-W

Iso-Footcandle Lines of Horizontal Illumination

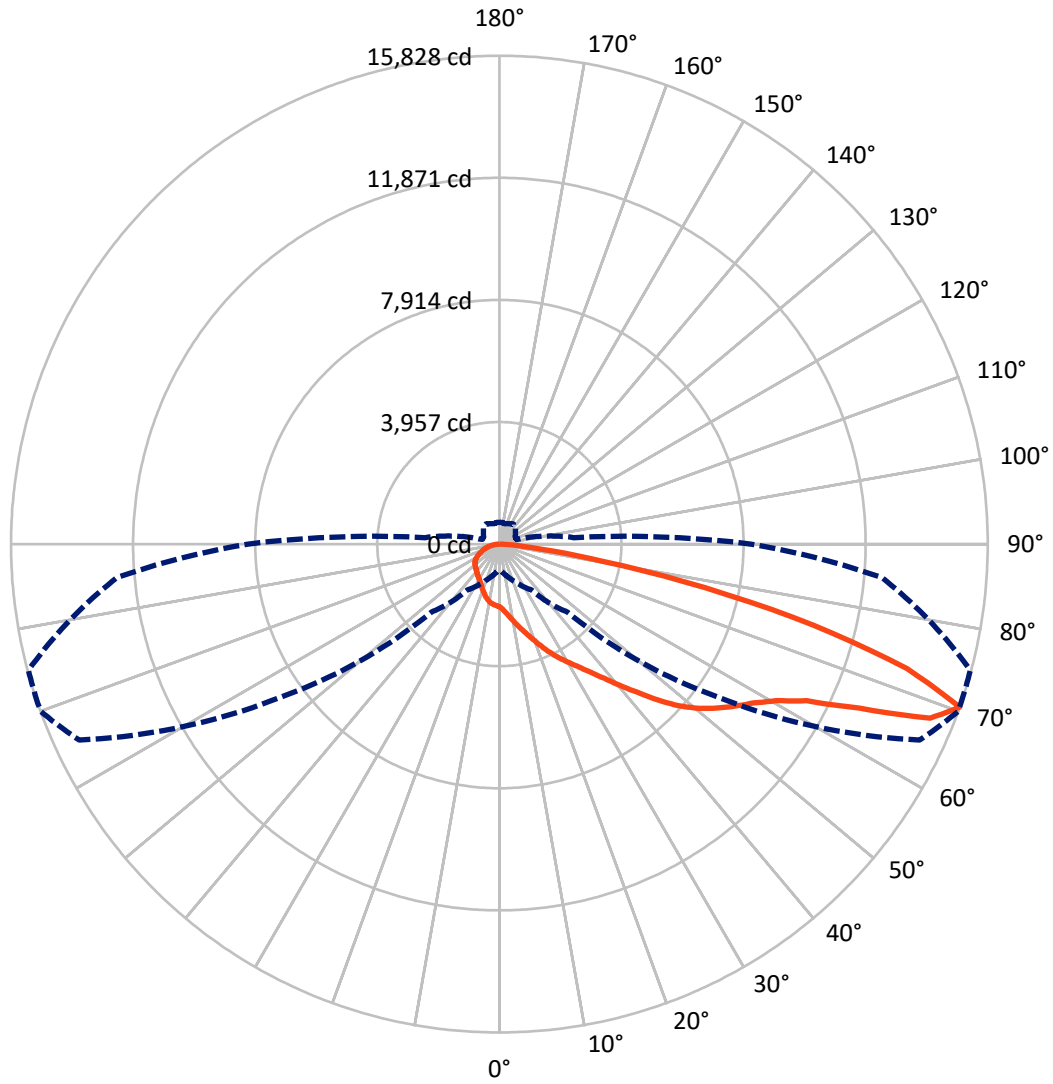
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P635301
CATALOG NUMBER: GWS-SA3D-740-U-T2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635301

CATALOG NUMBER: GWS-SA3D-740-U-T2-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3128.9	0.0	3128.9
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	14331.1	0.0	14331.1
	% Fixture	82.1	0.0	82.1
Total	Lumens	17460.0	0.0	17460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.0	1.2
10°-20°	673.2	3.9
20°-30°	1192.6	6.8
30°-40°	1795.0	10.3
40°-50°	2715.6	15.6
50°-60°	3890.2	22.3
60°-70°	4300.2	24.6
70°-80°	2426.7	13.9
80°-90°	259.6	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°	17460.0	100.0
0°-180°	17460.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635301

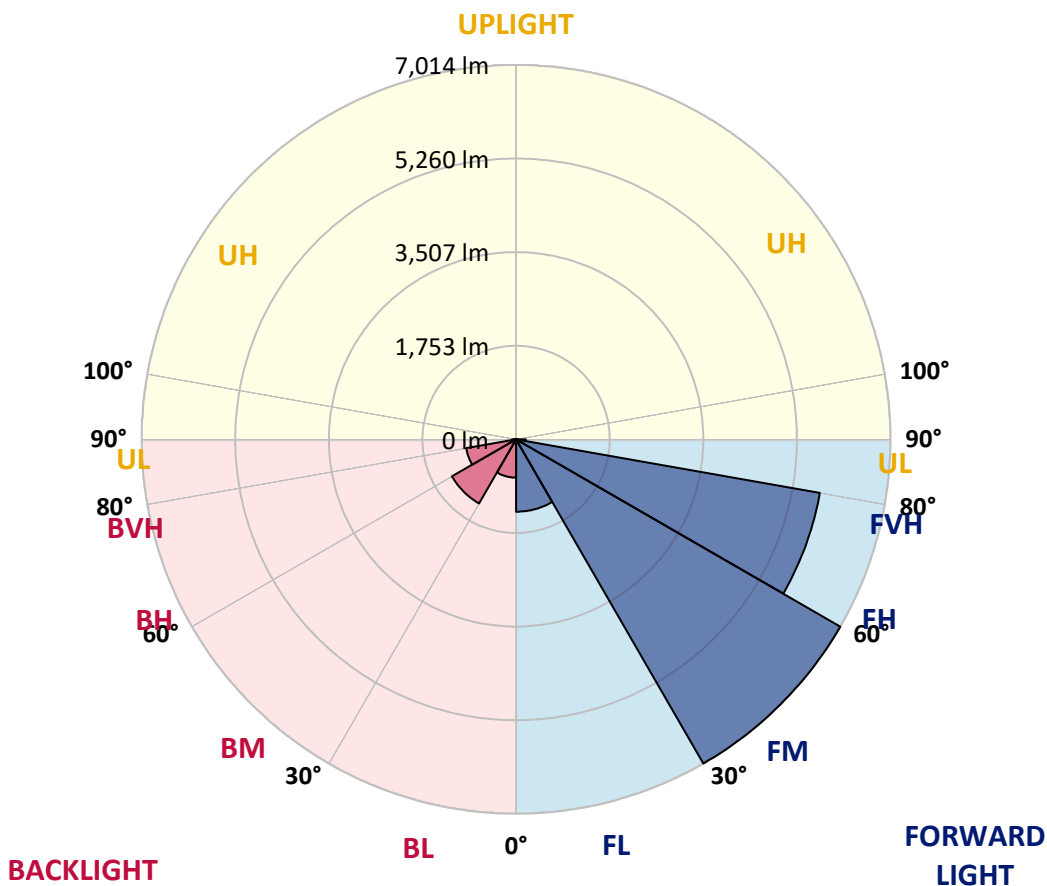
CATALOG NUMBER: GWS-SA3D-740-U-T2-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.4	7.8			
FM (30°-60°)	7013.7	40.2			
FH (60°-80°)	5778.5	33.1			G3/7500
FVH (80°-90°)	183.5	1.1			G2/225
BL (0°-30°)	717.4	4.1	B2/1000		
BM (30°-60°)	1387.0	7.9	B2/2500		
BH (60°-80°)	948.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	76.1	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: P635301
 CATALOG NUMBER: GWS-SA3D-740-U-T2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2
2.5°	2255.7	2251.9	2254.5	2251.9	2238.1	2204.0	2176.2	2140.9	2116.9	2103.1	2070.3
5°	2520.6	2516.9	2508.0	2495.4	2470.2	2423.5	2354.1	2277.2	2230.5	2195.2	2125.8
7.5°	2711.1	2711.1	2709.9	2694.7	2677.1	2627.9	2545.9	2445.0	2376.8	2316.3	2202.7
10°	2808.3	2814.6	2823.4	2844.9	2841.1	2814.6	2737.6	2629.1	2543.4	2472.7	2303.7
12.5°	2861.3	2865.1	2880.2	2924.4	2969.8	2976.1	2930.7	2817.1	2723.8	2629.1	2415.9
15°	2929.4	2930.7	2950.8	3003.8	3070.7	3137.6	3126.2	3012.7	2916.8	2812.1	2540.8
17.5°	2982.4	2991.2	3027.8	3089.6	3172.9	3265.0	3320.5	3249.8	3131.3	3011.4	2677.1
20°	3001.3	3007.6	3055.6	3150.2	3263.7	3393.7	3517.3	3498.4	3378.5	3237.2	2831.0
22.5°	3069.4	3069.4	3104.8	3184.2	3318.0	3507.2	3707.8	3757.0	3651.0	3485.8	2996.3
25°	3219.6	3214.5	3230.9	3263.7	3364.6	3598.0	3895.8	4043.4	3924.8	3739.3	3161.5
27.5°	3425.2	3422.7	3421.4	3426.5	3460.5	3677.5	4054.7	4310.8	4192.2	3982.8	3309.1
30°	3648.5	3640.9	3657.3	3642.2	3634.6	3772.1	4189.7	4550.5	4458.4	4223.8	3431.5
32.5°	3952.5	3938.7	3934.9	3885.7	3855.4	3919.7	4298.2	4823.0	4749.9	4483.7	3569.0
35°	4353.7	4341.1	4276.8	4198.6	4109.0	4139.3	4433.2	5089.2	5094.3	4809.2	3749.4
37.5°	4758.7	4761.2	4710.8	4526.6	4434.5	4416.8	4638.8	5413.5	5522.0	5197.7	3982.8
40°	5095.5	5110.7	5110.7	4916.4	4778.9	4762.5	4927.7	5798.2	6014.0	5674.6	4278.0
42.5°	5351.6	5365.5	5409.7	5269.6	5124.6	5181.3	5278.5	6184.3	6571.6	6263.8	4651.5
45°	5633.0	5644.3	5668.3	5587.6	5503.0	5654.4	5675.9	6646.0	7210.0	6924.8	5085.4
47.5°	6006.4	5996.3	5998.8	5939.5	5873.9	6118.7	6113.6	7034.6	7826.9	7649.0	5556.0
50°	6470.7	6489.6	6471.9	6354.6	6277.6	6500.9	6530.0	7464.8	8369.4	8365.6	6030.4
52.5°	6917.3	6924.8	7018.2	7023.2	6865.5	6818.9	6894.6	7898.8	8827.3	9021.6	6485.8
55°	6940.0	6969.0	7249.1	7450.9	7705.8	7331.1	7262.9	8312.6	9270.1	9663.7	6958.9
57.5°	6456.8	6503.5	6979.1	7414.3	8123.3	8210.4	7893.7	8847.5	9712.9	10295.8	7506.4
60°	5424.8	5522.0	6167.9	6834.0	7935.4	8842.4	9184.3	9574.2	10294.5	10941.7	8171.3
62.5°	3464.3	3502.2	4408.0	5523.2	7088.8	8780.6	10589.7	10854.7	11180.2	11783.2	9195.7
65°	1734.7	1855.8	2386.9	3296.5	5111.9	7737.3	11300.0	13200.0	12801.3	13223.9	10855.9
67.5°	1177.1	1216.2	1484.9	1980.7	2997.5	5481.6	10859.7	15175.6	15058.3	15127.7	12625.9
70°	868.0	893.2	1105.1	1402.9	1812.9	3112.3	8645.6	15026.7	15827.8	15802.6	12440.5
72.5°	633.3	645.9	806.2	1071.1	1343.6	1609.8	5279.7	12139.0	13816.9	14544.8	10879.9
75°	460.5	475.6	560.1	801.1	1044.6	1004.2	2606.4	8768.0	10536.8	11937.1	8863.9
77.5°	343.2	362.1	401.2	502.1	731.7	719.1	1126.6	5693.5	6815.1	7796.6	5384.4
80°	247.3	251.1	273.8	321.7	464.3	421.4	536.2	2968.5	3403.8	3729.2	2110.6
82.5°	150.1	153.9	182.9	198.1	287.6	264.9	278.8	961.3	1377.7	1462.2	788.5
85°	44.2	46.7	83.3	90.8	119.9	113.5	112.3	391.1	466.8	596.7	310.3
87.5°	0.0	0.0	0.0	0.0	1.3	7.6	13.9	69.4	104.7	145.1	75.7
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: P635301
 CATALOG NUMBER: GWS-SA3D-740-U-T2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2	2036.2
2.5°	2057.6	2028.6	2013.5	1987.0	1968.1	1949.1	1930.2	1912.6	1905.0	1893.6	1896.2
5°	2094.2	2048.8	2003.4	1951.7	1907.5	1870.9	1838.1	1809.1	1796.5	1785.1	1790.2
7.5°	2149.7	2081.6	1994.6	1899.9	1830.6	1780.1	1746.0	1725.8	1719.5	1710.7	1710.7
10°	2220.4	2118.2	1965.5	1830.6	1747.3	1706.9	1691.8	1690.5	1696.8	1698.1	1695.6
12.5°	2298.6	2153.5	1922.7	1748.6	1677.9	1665.3	1676.6	1698.1	1719.5	1730.9	1728.4
15°	2379.3	2176.2	1849.5	1670.3	1627.4	1643.8	1680.4	1723.3	1765.0	1786.4	1785.1
17.5°	2455.0	2181.3	1754.9	1594.6	1583.3	1624.9	1688.0	1754.9	1811.6	1841.9	1843.2
20°	2539.6	2172.4	1657.7	1526.5	1539.1	1607.3	1690.5	1771.3	1838.1	1868.4	1876.0
22.5°	2616.5	2142.2	1563.1	1462.2	1501.3	1585.8	1670.3	1746.0	1805.3	1834.3	1844.4
25°	2685.9	2084.1	1459.7	1407.9	1472.3	1555.5	1619.9	1672.9	1714.5	1732.2	1746.0
27.5°	2723.8	1997.1	1381.4	1365.0	1444.5	1512.6	1548.0	1564.4	1578.2	1573.2	1583.3
30°	2731.3	1888.6	1313.3	1331.0	1402.9	1453.3	1460.9	1444.5	1420.5	1381.4	1390.3
32.5°	2723.8	1763.7	1256.5	1294.4	1356.2	1386.5	1376.4	1333.5	1275.5	1214.9	1218.7
35°	2726.3	1637.5	1209.9	1254.0	1302.0	1318.4	1293.1	1233.8	1172.0	1116.5	1114.0
37.5°	2754.0	1531.6	1170.8	1214.9	1249.0	1251.5	1223.7	1161.9	1130.4	1088.7	1083.7
40°	2831.0	1453.3	1135.4	1175.8	1197.2	1196.0	1164.4	1120.3	1141.7	1127.9	1124.1
42.5°	2957.2	1405.4	1106.4	1134.2	1149.3	1151.8	1126.6	1098.8	1145.5	1127.9	1121.5
45°	3160.3	1402.9	1086.2	1092.5	1116.5	1134.2	1116.5	1085.0	1102.6	1016.8	1000.4
47.5°	3401.2	1445.8	1071.1	1055.9	1097.6	1129.1	1101.4	1050.9	1014.3	936.1	924.7
50°	3691.4	1532.8	1057.2	1016.8	1069.8	1110.2	1082.4	1013.1	957.5	915.9	909.6
52.5°	4035.8	1647.6	1039.5	972.7	1028.2	1100.1	1082.4	1009.3	936.1	898.2	891.9
55°	4396.6	1780.1	1019.4	919.7	981.5	1102.6	1091.3	982.8	919.7	899.5	894.5
57.5°	4844.5	1939.1	982.8	857.9	939.9	1079.9	1055.9	967.6	908.3	891.9	886.9
60°	5426.1	2175.0	913.4	794.8	891.9	1039.5	1024.4	942.4	878.1	864.2	860.4
62.5°	6347.0	2574.9	828.9	734.2	835.2	955.0	977.7	894.5	840.2	839.0	837.7
65°	7848.3	3055.6	729.2	680.0	775.9	885.6	915.9	845.3	801.1	815.0	813.7
67.5°	8900.5	3097.2	647.2	623.2	706.5	809.9	854.1	794.8	746.9	773.4	772.1
70°	8152.4	2415.9	576.5	563.9	632.1	727.9	787.2	731.7	683.8	709.0	704.0
72.5°	6875.6	1852.0	509.7	502.1	556.4	642.1	701.4	668.6	618.2	618.2	606.8
75°	5525.7	1527.8	439.0	435.2	471.8	555.1	622.0	566.5	519.8	517.2	509.7
77.5°	3169.1	1001.7	368.4	365.9	377.2	464.3	483.2	471.8	436.5	420.1	415.1
80°	1262.8	521.0	290.2	273.8	285.1	340.6	381.0	362.1	331.8	311.6	300.3
82.5°	489.5	261.1	204.4	179.1	195.5	246.0	276.3	270.0	249.8	204.4	191.8
85°	199.3	127.4	122.4	103.4	113.5	132.5	159.0	137.5	113.5	80.7	77.0
87.5°	53.0	46.7	45.4	27.8	21.4	6.3	1.3	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)