

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: P632883

Luminaire Tested: GWS-SA2D-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10511.7 lumens
Efficiency: N/A
Efficacy: 128.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 82.1
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

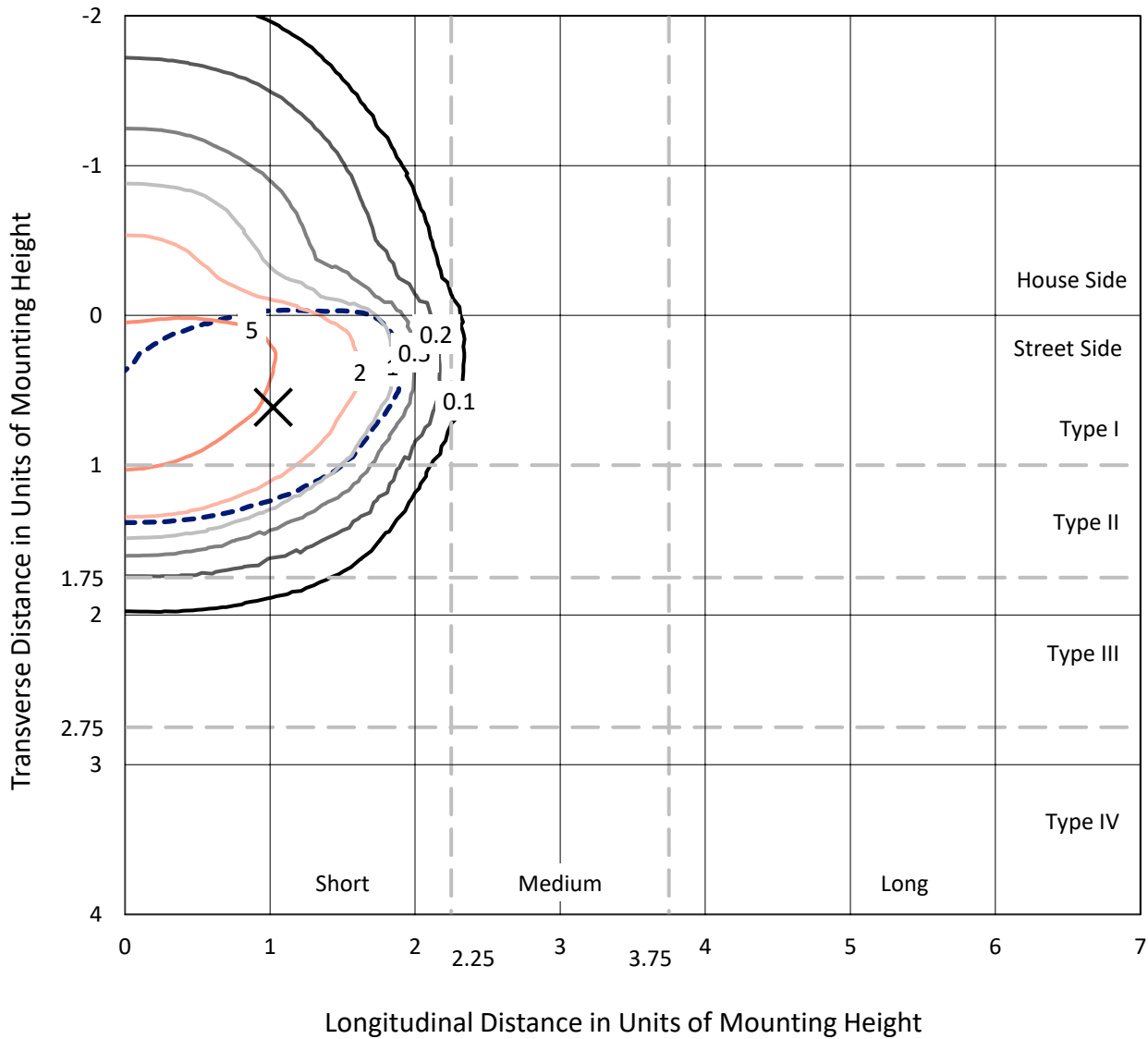


REPORT NUMBER: P632883

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

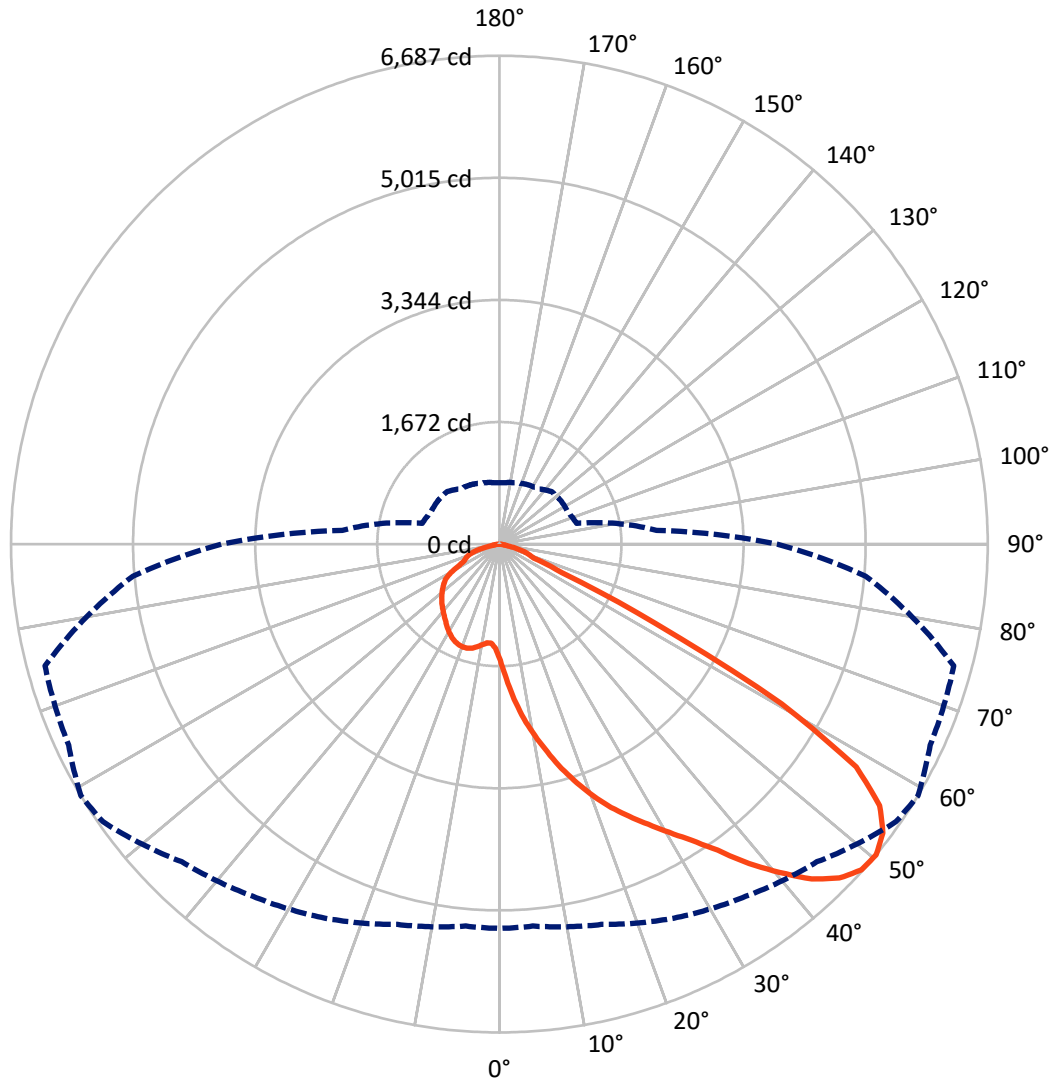
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - N/A

REPORT NUMBER: P632883
CATALOG NUMBER: GWS-SA2D-750-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P632883

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2417.9	0.0	2417.9
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	8093.8	0.0	8093.8
	% Fixture	77.0	0.0	77.0
Total	Lumens	10511.7	0.0	10511.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	1.7
10°-20°	648.6	6.2
20°-30°	1228.1	11.7
30°-40°	2036.6	19.4
40°-50°	2782.2	26.5
50°-60°	2525.5	24.0
60°-70°	841.0	8.0
70°-80°	245.3	2.3
80°-90°	25.8	0.2
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°	10511.7	100.0
0°-180°	10511.7	100.0

Coefficient of Utilization



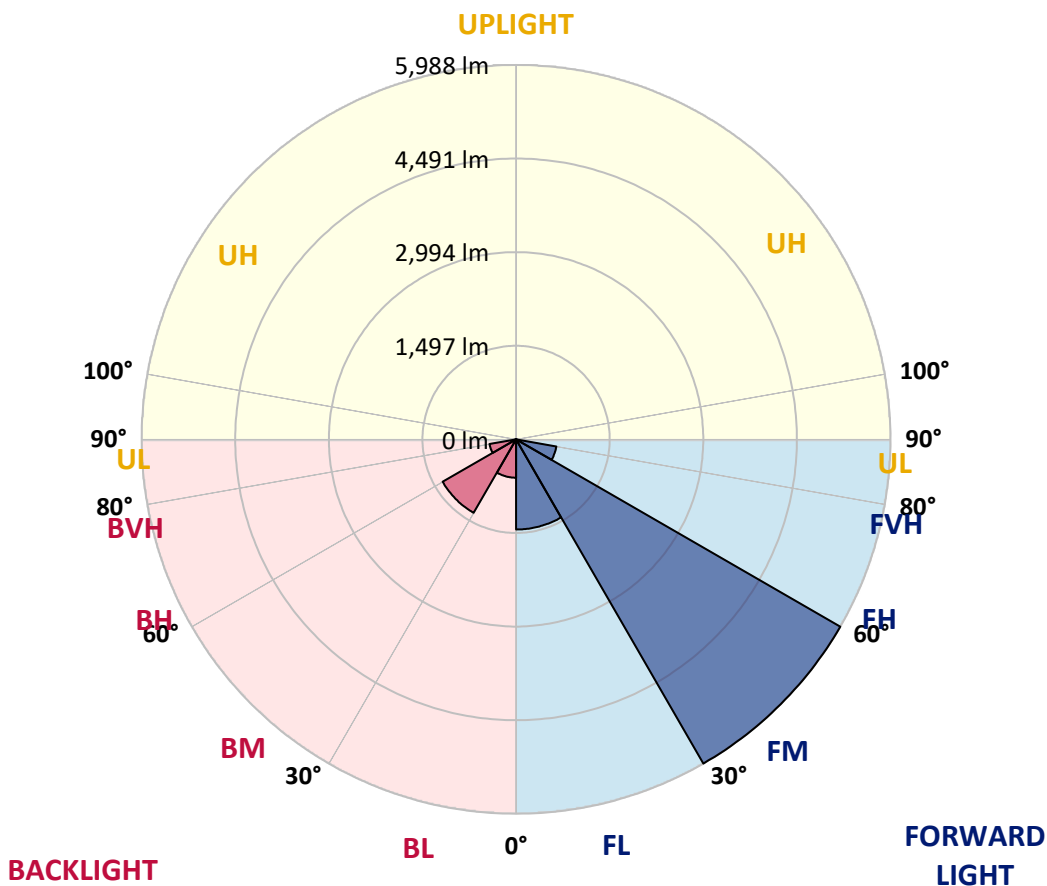
REPORT NUMBER: P632883

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1441.4	13.7			
FM (30°-60°)	5987.6	57.0			
FH (60°-80°)	654.7	6.2			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	614.0	5.8	B2/1000		
BM (30°-60°)	1356.7	12.9	B2/2500		
BH (60°-80°)	431.6	4.1	B1/500		G1/500
BVH (80°-90°)	15.7	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





REPORT NUMBER: P632883

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6
2.5°	2063.5	2078.9	2055.0	2056.7	1996.7	1969.3	1892.3	1846.9	1816.9	1733.0	1656.8
5°	2479.7	2461.7	2442.8	2431.7	2379.5	2305.8	2209.9	2133.7	2063.5	1899.1	1740.7
7.5°	2734.8	2725.4	2712.6	2705.7	2654.3	2577.3	2481.4	2416.3	2314.4	2091.8	1842.6
10°	2951.4	2940.3	2932.6	2937.7	2895.8	2846.1	2741.7	2667.2	2552.4	2295.6	1965.9
12.5°	3119.3	3125.3	3127.8	3155.2	3137.2	3107.3	2999.4	2920.6	2793.0	2510.5	2110.6
15°	3252.0	3250.3	3280.2	3332.5	3361.6	3342.7	3256.3	3190.3	3034.5	2722.0	2266.5
17.5°	3282.8	3284.5	3331.6	3423.2	3518.3	3564.5	3515.7	3436.9	3282.8	2930.9	2428.3
20°	3307.6	3311.1	3359.9	3464.3	3603.0	3732.3	3740.0	3683.5	3550.8	3156.9	2592.7
22.5°	3464.3	3472.0	3484.9	3550.8	3675.8	3839.4	3929.3	3917.3	3806.0	3394.1	2769.9
25°	3876.2	3853.1	3790.6	3771.7	3819.7	3952.4	4105.6	4128.8	4074.0	3655.3	2960.9
27.5°	4384.8	4359.9	4267.5	4169.9	4066.3	4112.5	4276.0	4345.4	4346.2	3943.0	3152.7
30°	4846.3	4826.6	4751.2	4611.7	4432.7	4365.9	4486.7	4580.0	4635.7	4275.2	3371.0
32.5°	5241.0	5223.0	5121.1	5007.3	4832.6	4698.2	4741.8	4831.7	4961.9	4705.0	3642.4
35°	5573.2	5555.3	5457.6	5342.9	5181.1	5100.6	5085.2	5146.8	5315.5	5153.7	3954.1
37.5°	5842.9	5825.0	5723.1	5615.2	5491.9	5497.0	5520.1	5550.1	5646.9	5634.0	4287.2
40°	6017.6	5998.8	5926.0	5848.9	5771.0	5832.7	5947.4	5911.4	5962.8	6021.9	4593.7
42.5°	6095.5	6071.6	6029.6	6012.5	5988.5	6084.4	6305.3	6269.4	6207.7	6280.5	4821.5
45°	6017.6	5997.1	5996.2	6048.4	6104.1	6227.4	6552.8	6523.7	6367.8	6405.5	4957.6
47.5°	5778.7	5760.7	5809.6	5946.6	6083.5	6263.4	6663.2	6668.4	6481.7	6457.7	5045.8
50°	5262.4	5250.4	5391.7	5651.2	5887.5	6151.2	6628.1	6687.2	6509.1	6441.5	5034.7
52.5°	4212.7	4268.3	4575.7	5009.0	5467.9	5954.3	6498.0	6575.0	6377.2	6334.4	4974.7
55°	2883.8	2909.5	3216.9	3849.6	4577.4	5527.9	6199.1	6318.2	6221.4	6316.4	5037.2
57.5°	1493.3	1513.8	1756.1	2317.8	3104.7	4368.5	5369.4	5759.9	5907.2	6407.2	5231.6
60°	613.1	630.2	730.4	1001.8	1566.1	2543.9	3864.2	4443.0	4788.9	5851.5	4645.9
62.5°	445.2	453.8	501.8	597.7	820.3	1246.7	2186.8	2400.0	2643.2	3667.3	2949.7
65°	375.0	384.4	423.0	481.2	598.5	764.6	934.2	939.3	1035.2	1494.1	1093.4
67.5°	314.2	322.8	357.0	406.7	483.8	542.9	501.8	502.6	500.9	542.0	524.0
70°	244.9	251.7	286.0	339.1	379.3	348.5	392.2	434.1	416.1	432.4	457.2
72.5°	179.0	186.7	216.6	256.9	246.6	248.3	317.7	360.5	350.2	368.2	391.3
75°	129.3	134.4	149.8	128.4	135.3	163.5	223.5	246.6	256.9	272.3	292.8
77.5°	42.0	42.0	47.1	59.1	73.6	90.8	113.9	123.3	138.7	155.8	170.4
80°	21.4	22.3	26.5	32.5	41.1	52.2	66.8	71.1	78.8	88.2	94.2
82.5°	10.3	11.1	12.8	16.3	21.4	27.4	36.8	41.1	46.2	52.2	56.5
85°	2.6	2.6	3.4	5.1	6.8	10.3	13.7	16.3	20.5	24.8	27.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.9	2.6	3.4	4.3	5.1	6.8
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: P632883

CATALOG NUMBER: GWS-SA2D-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6	1592.6
2.5°	1622.6	1574.6	1513.0	1460.7	1412.8	1376.0	1344.3	1328.9	1314.3	1304.0	1307.5
5°	1667.1	1584.9	1470.2	1390.5	1341.7	1316.9	1299.8	1291.2	1289.5	1282.6	1280.1
7.5°	1732.2	1614.9	1461.6	1381.1	1348.6	1335.7	1326.3	1321.2	1323.7	1316.9	1314.3
10°	1812.6	1664.5	1483.0	1411.9	1383.7	1374.3	1364.0	1357.1	1353.7	1343.4	1341.7
12.5°	1912.8	1726.2	1521.5	1451.3	1423.1	1406.8	1393.1	1381.1	1373.4	1360.6	1357.1
15°	2020.7	1794.7	1566.9	1489.8	1456.5	1432.5	1410.2	1392.2	1378.5	1361.4	1358.8
17.5°	2138.0	1866.6	1604.6	1516.4	1473.6	1441.9	1409.4	1382.8	1364.0	1341.7	1339.2
20°	2260.5	1939.4	1632.8	1529.2	1474.4	1431.6	1388.0	1352.9	1328.9	1306.6	1304.9
22.5°	2387.2	2006.2	1650.0	1525.8	1460.7	1407.7	1355.4	1316.0	1287.8	1261.2	1259.5
25°	2514.8	2070.4	1654.2	1512.1	1433.3	1371.7	1319.5	1273.2	1241.5	1211.6	1208.1
27.5°	2644.1	2124.3	1644.0	1484.7	1396.5	1329.7	1277.5	1232.1	1199.6	1169.6	1164.5
30°	2781.9	2170.6	1621.7	1448.7	1353.7	1285.2	1233.8	1199.6	1168.8	1138.8	1133.7
32.5°	2929.2	2210.8	1590.0	1405.1	1304.0	1240.7	1203.0	1172.2	1141.4	1114.8	1109.7
35°	3104.7	2237.3	1542.9	1348.6	1257.8	1208.1	1182.5	1146.5	1108.8	1079.7	1077.1
37.5°	3286.2	2257.9	1486.4	1294.6	1217.6	1189.3	1167.9	1119.1	1072.0	1036.9	1032.6
40°	3461.8	2275.0	1416.2	1244.1	1180.7	1175.6	1146.5	1085.7	1004.4	965.0	961.6
42.5°	3625.3	2280.2	1342.6	1190.2	1147.4	1144.8	1112.2	1018.1	955.6	930.7	927.3
45°	3737.5	2275.9	1266.4	1139.6	1114.0	1100.3	1066.0	969.3	930.7	908.5	904.2
47.5°	3820.5	2253.6	1180.7	1086.6	1076.3	1057.5	983.8	938.4	902.5	880.2	875.9
50°	3806.0	2161.1	1094.3	1035.2	1030.9	1014.6	923.9	899.9	868.2	844.2	840.8
52.5°	3730.6	1985.6	1006.1	978.7	987.2	955.6	881.1	853.7	826.3	798.9	792.9
55°	3749.5	1858.9	939.3	923.9	939.3	867.4	833.1	804.0	778.3	751.8	746.6
57.5°	3831.7	1733.9	868.2	864.8	881.1	799.7	771.5	734.6	697.8	676.4	676.4
60°	3217.7	1263.8	743.2	751.8	788.6	744.9	720.1	682.4	642.2	623.3	623.3
62.5°	1902.6	792.9	616.5	607.1	630.2	657.6	671.3	640.5	592.5	567.7	568.5
65°	838.3	577.1	543.7	536.0	529.2	548.0	585.7	588.2	537.7	508.6	509.5
67.5°	516.3	522.3	508.6	502.6	496.6	493.2	489.8	491.5	477.8	451.2	450.4
70°	465.8	482.1	472.6	467.5	459.8	453.8	433.3	399.9	376.7	369.9	377.6
72.5°	400.7	423.0	417.8	415.3	405.9	391.3	363.9	331.4	304.0	286.8	290.3
75°	302.3	320.2	322.8	323.7	313.4	299.7	271.4	244.0	220.1	202.1	206.4
77.5°	173.8	184.1	186.7	189.2	181.5	176.4	157.5	137.9	125.0	106.2	111.3
80°	96.8	101.0	101.0	101.9	97.6	91.6	78.8	67.6	61.6	53.1	53.9
82.5°	58.2	59.9	60.8	61.6	59.1	53.1	43.7	36.0	32.5	28.3	27.4
85°	28.3	30.0	30.0	30.8	26.5	23.1	18.0	13.7	12.0	8.6	9.4
87.5°	6.8	7.7	7.7	6.8	6.0	4.3	2.6	0.9	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)