

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: P630408

Luminaire Tested: GWS-SA1D-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630408
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-SA1D-750-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5459 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44.3
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

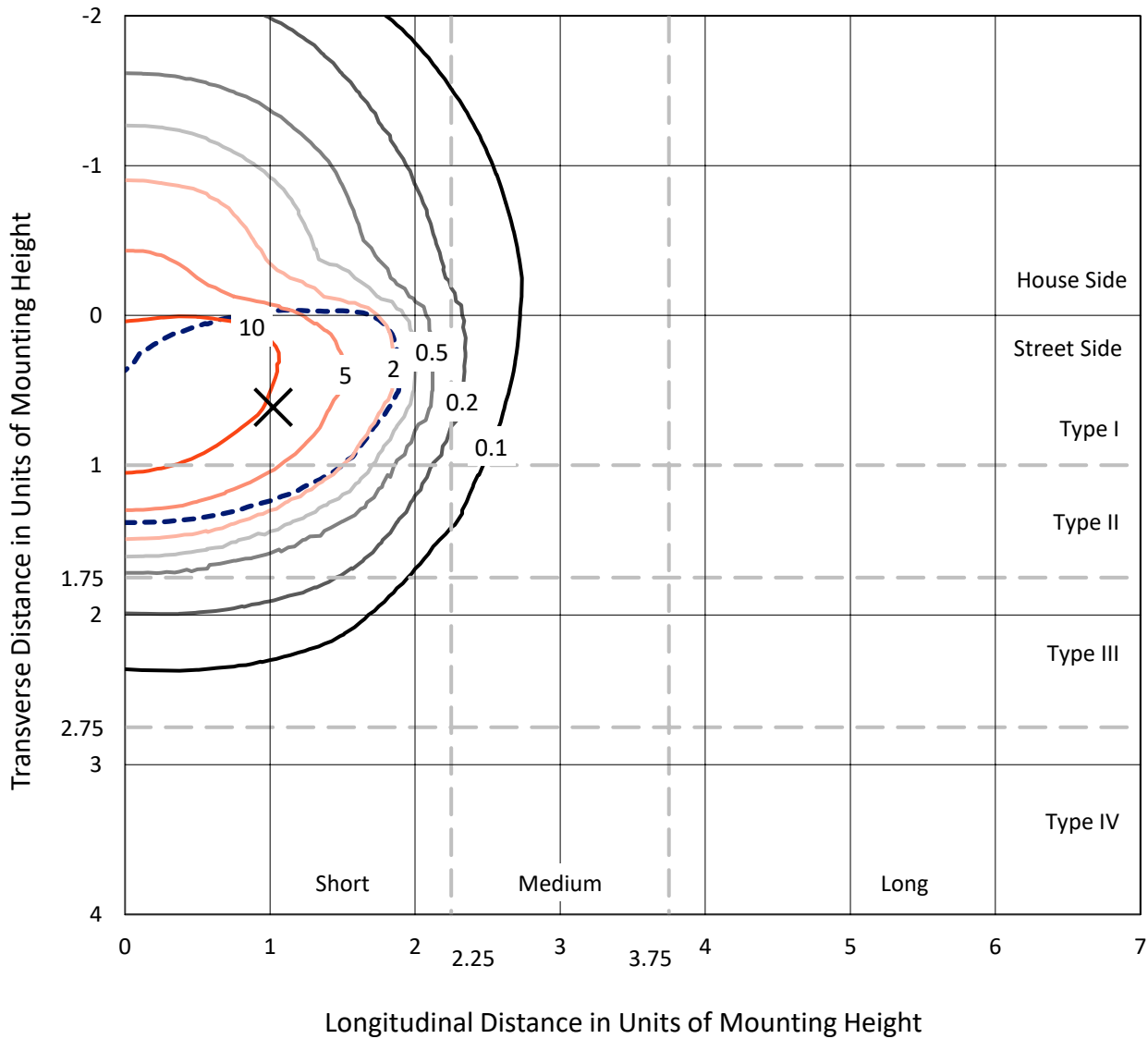


REPORT NUMBER: P630408

CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

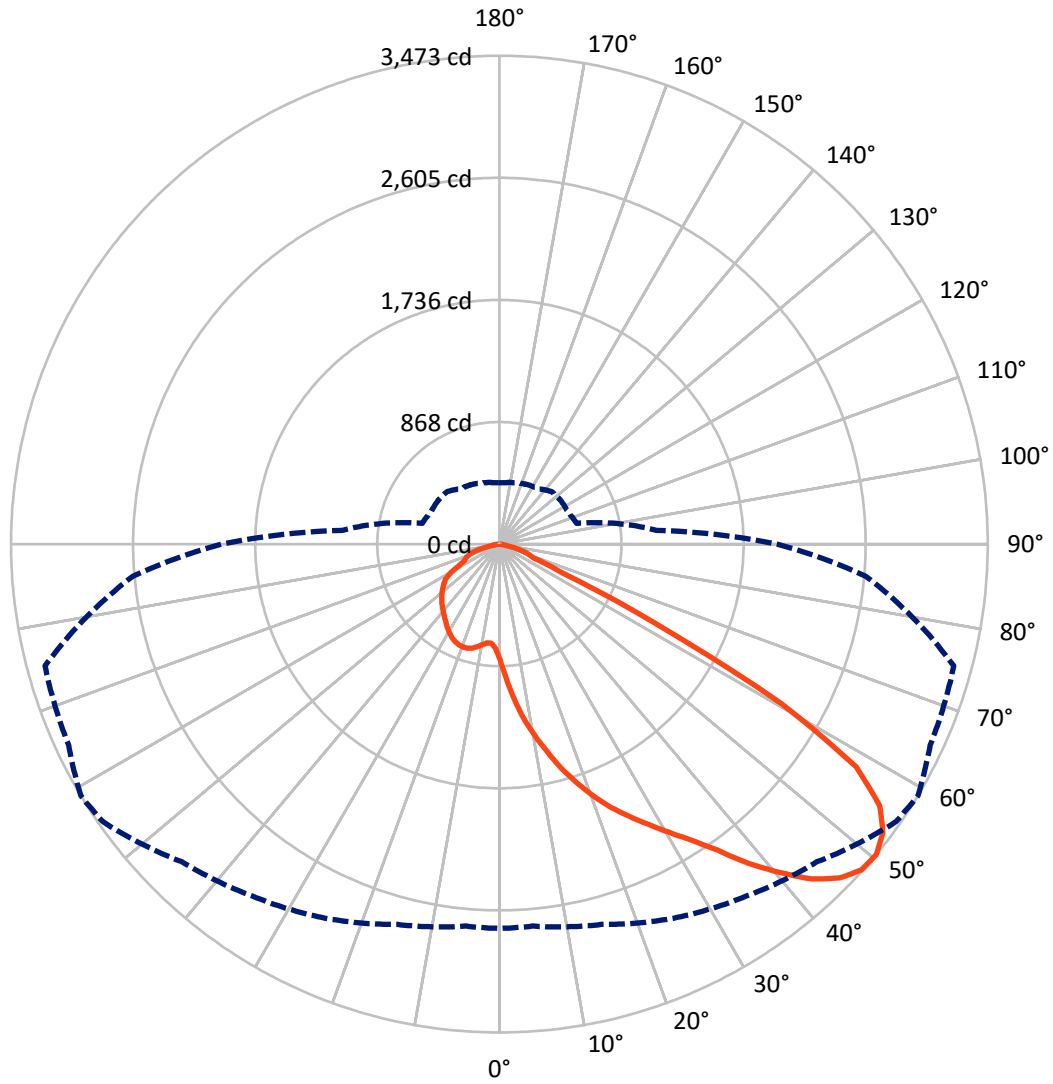
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type II - Short - N/A

REPORT NUMBER: P630408
CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630408

CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1255.7	0.0	1255.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	4203.3	0.0	4203.3
	% Fixture	77.0	0.0	77.0
Total	Lumens	5459.0	0.0	5459.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.8	1.7
10°-20°	336.8	6.2
20°-30°	637.8	11.7
30°-40°	1057.7	19.4
40°-50°	1444.8	26.5
50°-60°	1311.5	24.0
60°-70°	436.8	8.0
70°-80°	127.4	2.3
80°-90°	13.4	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°	5459.0	100.0
0°-180°	5459.0	100.0

Coefficient of Utilization



REPORT NUMBER: P630408

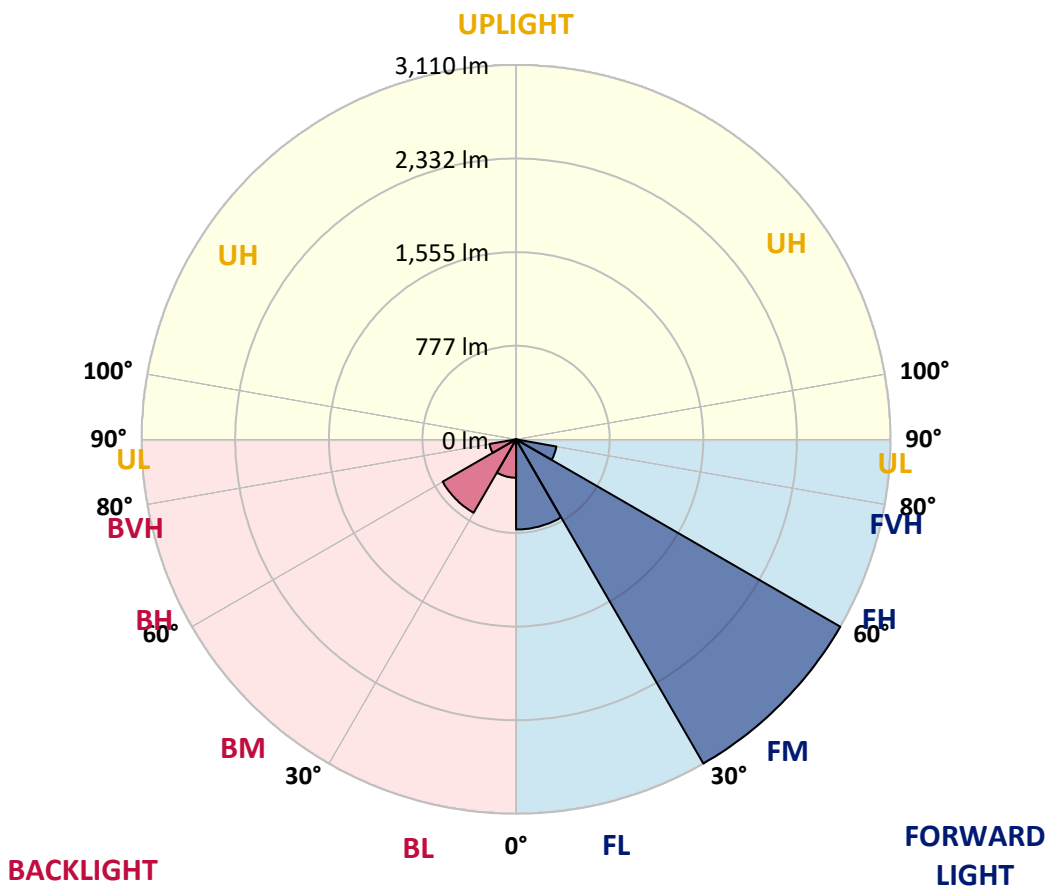
CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	748.6	13.7			
FM (30°-60°)	3109.5	57.0			
FH (60°-80°)	340.0	6.2			G0/660
FVH (80°-90°)	5.2	0.1			G0/10
BL (0°-30°)	318.8	5.8	B1/500		
BM (30°-60°)	704.6	12.9	B1/1000		
BH (60°-80°)	224.1	4.1	B1/500		G1/500
BVH (80°-90°)	8.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P630408

CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1
2.5°	1071.6	1079.6	1067.2	1068.1	1037.0	1022.7	982.7	959.1	943.6	900.0	860.4
5°	1287.8	1278.4	1268.6	1262.8	1235.7	1197.5	1147.7	1108.1	1071.6	986.3	904.0
7.5°	1420.3	1415.4	1408.7	1405.1	1378.5	1338.4	1288.6	1254.8	1201.9	1086.3	956.9
10°	1532.8	1527.0	1523.0	1525.6	1503.9	1478.1	1423.8	1385.1	1325.5	1192.1	1021.0
12.5°	1619.9	1623.0	1624.4	1638.6	1629.3	1613.7	1557.7	1516.8	1450.5	1303.8	1096.1
15°	1688.8	1687.9	1703.5	1730.6	1745.8	1736.0	1691.1	1656.8	1575.9	1413.6	1177.0
17.5°	1704.8	1705.7	1730.2	1777.8	1827.1	1851.1	1825.8	1784.9	1704.8	1522.1	1261.1
20°	1717.7	1719.5	1744.9	1799.1	1871.2	1938.3	1942.3	1912.9	1844.0	1639.5	1346.4
22.5°	1799.1	1803.1	1809.8	1844.0	1908.9	1993.9	2040.6	2034.3	1976.5	1762.7	1438.5
25°	2013.0	2001.0	1968.5	1958.7	1983.7	2052.6	2132.2	2144.2	2115.7	1898.3	1537.7
27.5°	2277.1	2264.2	2216.2	2165.5	2111.7	2135.7	2220.7	2256.7	2257.1	2047.7	1637.3
30°	2516.8	2506.6	2467.4	2395.0	2302.0	2267.3	2330.0	2378.5	2407.4	2220.2	1750.6
32.5°	2721.8	2712.5	2659.5	2600.4	2509.7	2439.9	2462.6	2509.2	2576.8	2443.4	1891.6
35°	2894.3	2885.0	2834.3	2774.7	2690.7	2648.9	2640.9	2672.9	2760.5	2676.4	2053.5
37.5°	3034.4	3025.1	2972.1	2916.1	2852.1	2854.8	2866.8	2882.3	2932.6	2925.9	2226.4
40°	3125.1	3115.3	3077.5	3037.5	2997.0	3029.1	3088.6	3070.0	3096.6	3127.3	2385.6
42.5°	3165.6	3153.1	3131.3	3122.4	3110.0	3159.8	3274.5	3255.8	3223.8	3261.6	2503.9
45°	3125.1	3114.4	3114.0	3141.1	3170.0	3234.0	3403.0	3387.9	3307.0	3326.5	2574.6
47.5°	3001.0	2991.7	3017.1	3088.2	3159.3	3252.7	3460.4	3463.1	3366.1	3353.7	2620.4
50°	2732.9	2726.7	2800.1	2934.8	3057.5	3194.5	3442.2	3472.8	3380.3	3345.2	2614.6
52.5°	2187.8	2216.7	2376.3	2601.3	2839.6	3092.2	3374.6	3414.6	3311.9	3289.6	2583.5
55°	1497.6	1511.0	1670.6	1999.2	2377.2	2870.8	3219.4	3281.2	3230.9	3280.3	2616.0
57.5°	775.5	786.2	912.0	1203.7	1612.4	2268.7	2788.5	2991.3	3067.7	3327.4	2716.9
60°	318.4	327.3	379.3	520.3	813.3	1321.1	2006.8	2307.4	2487.0	3038.8	2412.8
62.5°	231.2	235.7	260.6	310.4	426.0	647.4	1135.7	1246.4	1372.7	1904.5	1531.9
65°	194.8	199.7	219.7	249.9	310.8	397.1	485.1	487.8	537.6	775.9	567.8
67.5°	163.2	167.6	185.4	211.2	251.2	281.9	260.6	261.0	260.1	281.5	272.1
70°	127.2	130.7	148.5	176.1	197.0	181.0	203.7	225.4	216.1	224.6	237.5
72.5°	92.9	96.9	112.5	133.4	128.1	129.0	165.0	187.2	181.9	191.2	203.2
75°	67.1	69.8	77.8	66.7	70.3	84.9	116.1	128.1	133.4	141.4	152.1
77.5°	21.8	21.8	24.5	30.7	38.2	47.1	59.1	64.0	72.0	80.9	88.5
80°	11.1	11.6	13.8	16.9	21.3	27.1	34.7	36.9	40.9	45.8	48.9
82.5°	5.3	5.8	6.7	8.4	11.1	14.2	19.1	21.3	24.0	27.1	29.3
85°	1.3	1.3	1.8	2.7	3.6	5.3	7.1	8.4	10.7	12.9	14.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.4	1.3	1.8	2.2	2.7	3.6
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: P630408
 CATALOG NUMBER: GWS-SA1D-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1	827.1
2.5°	842.6	817.7	785.7	758.6	733.7	714.6	698.1	690.1	682.6	677.2	679.0
5°	865.8	823.1	763.5	722.1	696.8	683.9	675.0	670.6	669.7	666.1	664.8
7.5°	899.6	838.6	759.0	717.2	700.3	693.7	688.8	686.1	687.5	683.9	682.6
10°	941.4	864.4	770.2	733.3	718.6	713.7	708.4	704.8	703.0	697.7	696.8
12.5°	993.4	896.4	790.2	753.7	739.0	730.6	723.5	717.2	713.2	706.6	704.8
15°	1049.4	932.0	813.7	773.7	756.4	743.9	732.4	723.0	715.9	707.0	705.7
17.5°	1110.3	969.4	833.3	787.5	765.3	748.8	731.9	718.1	708.4	696.8	695.5
20°	1173.9	1007.2	848.0	794.2	765.7	743.5	720.8	702.6	690.1	678.6	677.7
22.5°	1239.7	1041.9	856.9	792.4	758.6	731.0	703.9	683.5	668.8	655.0	654.1
25°	1306.0	1075.2	859.1	785.3	744.4	712.4	685.2	661.2	644.8	629.2	627.4
27.5°	1373.1	1103.2	853.8	771.0	725.2	690.6	663.4	639.9	623.0	607.4	604.7
30°	1444.7	1127.2	842.2	752.4	703.0	667.4	640.8	623.0	607.0	591.4	588.7
32.5°	1521.2	1148.1	825.7	729.7	677.2	644.3	624.8	608.7	592.7	579.0	576.3
35°	1612.4	1161.9	801.3	700.3	653.2	627.4	614.1	595.4	575.8	560.7	559.4
37.5°	1706.6	1172.6	771.9	672.3	632.3	617.6	606.5	581.2	556.7	538.5	536.3
40°	1797.8	1181.5	735.5	646.1	613.2	610.5	595.4	563.8	521.6	501.1	499.4
42.5°	1882.7	1184.1	697.2	618.1	595.9	594.5	577.6	528.7	496.2	483.4	481.6
45°	1941.0	1181.9	657.7	591.8	578.5	571.4	553.6	503.4	483.4	471.8	469.6
47.5°	1984.1	1170.4	613.2	564.3	558.9	549.2	510.9	487.4	468.7	457.1	454.9
50°	1976.5	1122.3	568.3	537.6	535.4	526.9	479.8	467.3	450.9	438.4	436.7
52.5°	1937.4	1031.2	522.5	508.3	512.7	496.2	457.6	443.3	429.1	414.9	411.8
55°	1947.2	965.4	487.8	479.8	487.8	450.4	432.7	417.5	404.2	390.4	387.7
57.5°	1989.9	900.4	450.9	449.1	457.6	415.3	400.6	381.5	362.4	351.3	351.3
60°	1671.1	656.3	386.0	390.4	409.5	386.9	374.0	354.4	333.5	323.7	323.7
62.5°	988.0	411.8	320.2	315.3	327.3	341.5	348.6	332.6	307.7	294.8	295.3
65°	435.3	299.7	282.4	278.4	274.8	284.6	304.2	305.5	279.2	264.1	264.6
67.5°	268.1	271.2	264.1	261.0	257.9	256.1	254.3	255.2	248.1	234.3	233.9
70°	241.9	250.3	245.5	242.8	238.8	235.7	225.0	207.7	195.7	192.1	196.1
72.5°	208.1	219.7	217.0	215.7	210.8	203.2	189.0	172.1	157.9	149.0	150.7
75°	157.0	166.3	167.6	168.1	162.7	155.6	141.0	126.7	114.3	104.9	107.2
77.5°	90.3	95.6	96.9	98.3	94.3	91.6	81.8	71.6	64.9	55.1	57.8
80°	50.2	52.5	52.5	52.9	50.7	47.6	40.9	35.1	32.0	27.6	28.0
82.5°	30.2	31.1	31.6	32.0	30.7	27.6	22.7	18.7	16.9	14.7	14.2
85°	14.7	15.6	15.6	16.0	13.8	12.0	9.3	7.1	6.2	4.4	4.9
87.5°	3.6	4.0	4.0	3.6	3.1	2.2	1.3	0.4	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)