

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: P632388

Luminaire Tested: GWS-SA2C-750-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632388
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-SA2C-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: 8332.3 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

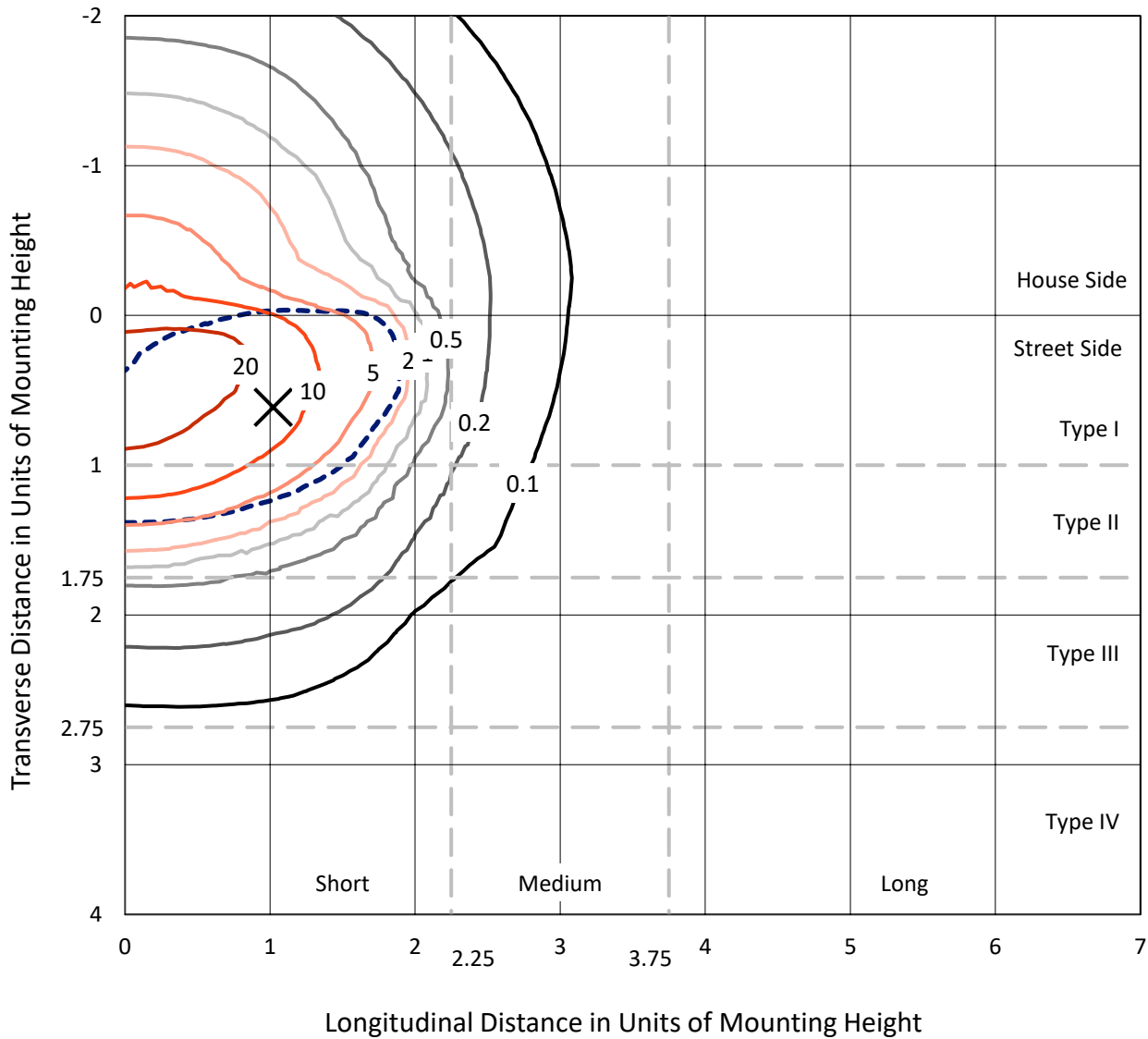
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632388
 CATALOG NUMBER: GWS-SA2C-750-U-T2R-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

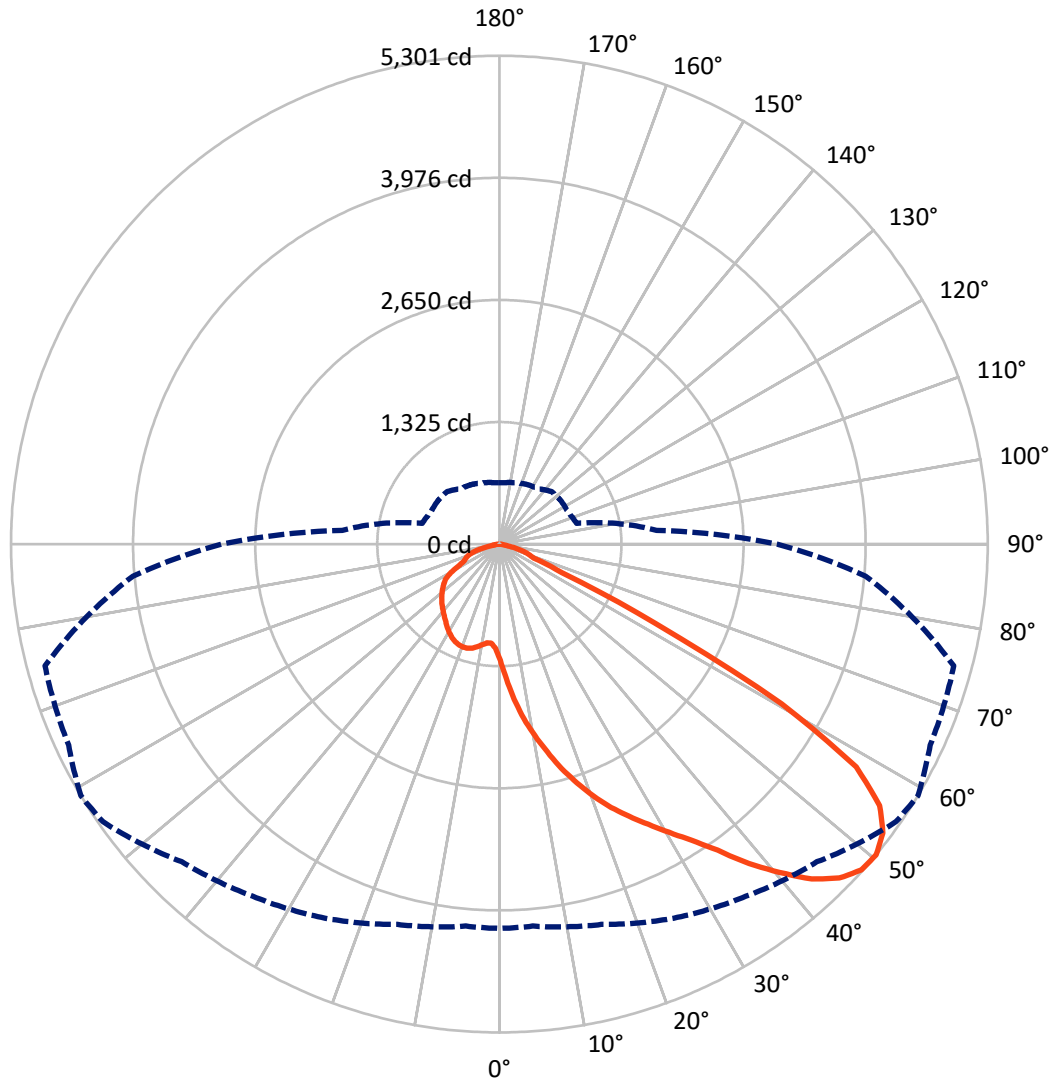
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25 fc
 Type II - Short - N/A

REPORT NUMBER: P632388
CATALOG NUMBER: GWS-SA2C-750-U-T2R-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632388

CATALOG NUMBER: GWS-SA2C-750-U-T2R-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1916.6	0.0	1916.6
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	6415.7	0.0	6415.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	8332.3	0.0	8332.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.6	1.7
10°-20°	514.1	6.2
20°-30°	973.5	11.7
30°-40°	1614.4	19.4
40°-50°	2205.3	26.5
50°-60°	2001.9	24.0
60°-70°	666.6	8.0
70°-80°	194.4	2.3
80°-90°	20.4	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°	8332.3	100.0
0°-180°	8332.3	100.0

Coefficient of Utilization



REPORT NUMBER: P632388

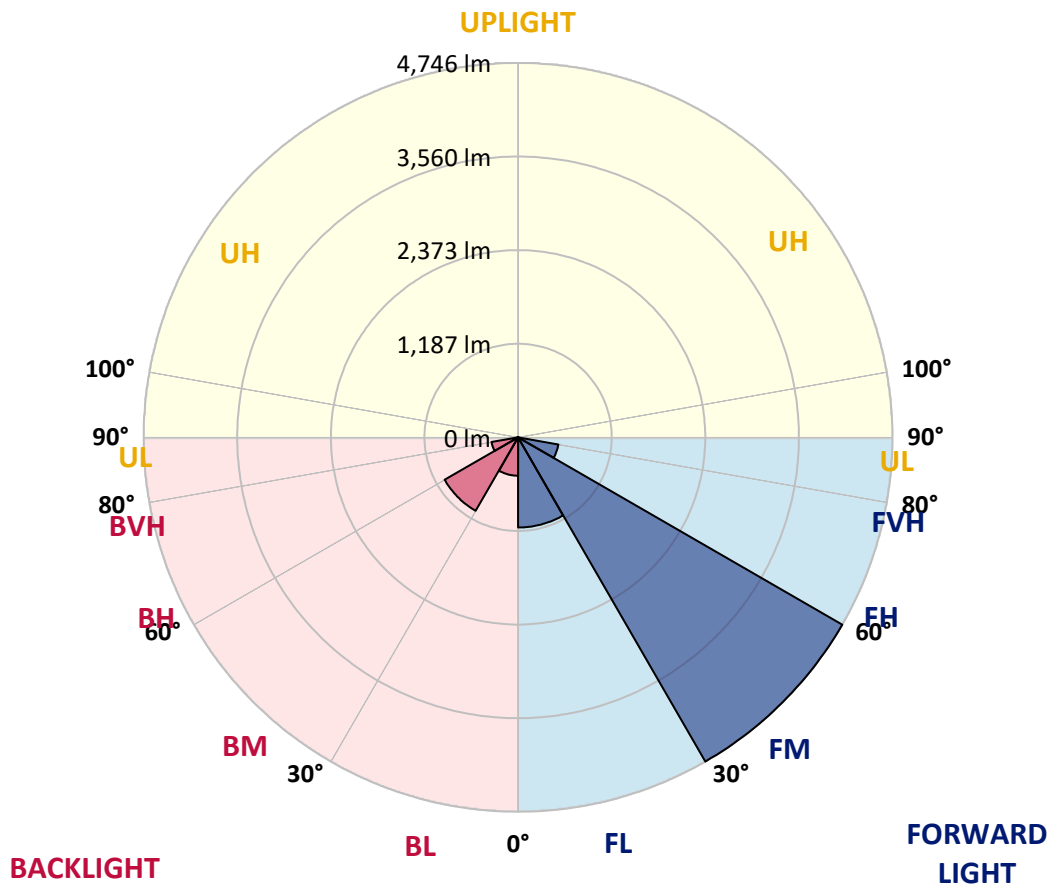
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1142.6	13.7			
FM (30°-60°)	4746.2	57.0			
FH (60°-80°)	519.0	6.2			G0/660
FVH (80°-90°)	8.0	0.1			G0/10
BL (0°-30°)	486.7	5.8	B1/500		
BM (30°-60°)	1075.4	12.9	B2/2500		
BH (60°-80°)	342.1	4.1	B1/500		G1/500
BVH (80°-90°)	12.4	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: P632388

CATALOG NUMBER: GWS-SA2C-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4
2.5°	1635.7	1647.9	1628.9	1630.3	1582.8	1561.0	1500.0	1464.0	1440.2	1373.7	1313.3
5°	1965.5	1951.3	1936.4	1927.5	1886.1	1827.8	1751.8	1691.3	1635.7	1505.4	1379.8
7.5°	2167.8	2160.3	2150.2	2144.7	2104.0	2042.9	1966.9	1915.3	1834.6	1658.1	1460.6
10°	2339.5	2330.7	2324.6	2328.7	2295.4	2256.0	2173.2	2114.2	2023.2	1819.6	1558.3
12.5°	2472.5	2477.3	2479.3	2501.0	2486.8	2463.0	2377.5	2315.1	2214.0	1990.0	1673.0
15°	2577.7	2576.4	2600.1	2641.5	2664.6	2649.7	2581.1	2528.9	2405.4	2157.6	1796.5
17.5°	2602.2	2603.5	2640.9	2713.5	2788.8	2825.5	2786.8	2724.3	2602.2	2323.2	1924.8
20°	2621.9	2624.6	2663.3	2746.1	2856.0	2958.5	2964.6	2919.8	2814.6	2502.4	2055.1
22.5°	2746.1	2752.2	2762.4	2814.6	2913.7	3043.3	3114.6	3105.1	3016.9	2690.4	2195.6
25°	3072.5	3054.2	3004.7	2989.7	3027.7	3132.9	3254.4	3272.7	3229.3	2897.4	2347.0
27.5°	3475.7	3456.0	3382.7	3305.3	3223.2	3259.8	3389.5	3444.5	3445.1	3125.5	2499.0
30°	3841.5	3825.9	3766.2	3655.5	3513.7	3460.7	3556.4	3630.4	3674.5	3388.8	2672.1
32.5°	4154.4	4140.1	4059.4	3969.1	3830.6	3724.1	3758.7	3830.0	3933.1	3729.5	2887.2
35°	4417.7	4403.5	4326.1	4235.2	4106.9	4043.1	4030.9	4079.7	4213.4	4085.2	3134.3
37.5°	4631.5	4617.3	4536.5	4451.0	4353.3	4357.3	4375.6	4399.4	4476.1	4465.9	3398.3
40°	4770.0	4755.0	4697.4	4636.3	4574.5	4623.4	4714.3	4685.8	4726.5	4773.4	3641.3
42.5°	4831.7	4812.7	4779.5	4765.9	4746.9	4822.9	4998.0	4969.5	4920.7	4978.3	3821.8
45°	4770.0	4753.7	4753.0	4794.4	4838.5	4936.3	5194.2	5171.1	5047.6	5077.4	3929.7
47.5°	4580.6	4566.4	4605.1	4713.6	4822.2	4964.8	5281.7	5285.8	5137.8	5118.8	3999.6
50°	4171.4	4161.9	4273.8	4479.5	4666.8	4875.9	5253.9	5300.7	5159.6	5105.9	3990.8
52.5°	3339.3	3383.4	3627.0	3970.5	4334.2	4719.8	5150.7	5211.8	5055.0	5021.1	3943.3
55°	2285.9	2306.3	2549.9	3051.5	3628.4	4381.8	4913.9	5008.2	4931.5	5006.9	3992.9
57.5°	1183.7	1200.0	1392.0	1837.3	2461.0	3462.8	4256.2	4565.7	4682.4	5078.8	4146.9
60°	486.0	499.5	578.9	794.1	1241.4	2016.5	3063.0	3521.8	3796.0	4638.3	3682.7
62.5°	352.9	359.7	397.7	473.7	650.2	988.2	1733.4	1902.4	2095.2	2906.9	2338.2
65°	297.3	304.7	335.3	381.4	474.4	606.1	740.5	744.5	820.6	1184.4	866.7
67.5°	249.1	255.9	283.0	322.4	383.5	430.3	397.7	398.4	397.0	429.6	415.4
70°	194.1	199.5	226.7	268.8	300.7	276.2	310.8	344.1	329.9	342.7	362.4
72.5°	141.9	148.0	171.7	203.6	195.5	196.8	251.8	285.7	277.6	291.8	310.2
75°	102.5	106.6	118.8	101.8	107.2	129.6	177.1	195.5	203.6	215.8	232.1
77.5°	33.3	33.3	37.3	46.8	58.4	71.9	90.3	97.7	110.0	123.5	135.1
80°	17.0	17.6	21.0	25.8	32.6	41.4	52.9	56.3	62.4	69.9	74.7
82.5°	8.1	8.8	10.2	12.9	17.0	21.7	29.2	32.6	36.7	41.4	44.8
85°	2.0	2.0	2.7	4.1	5.4	8.1	10.9	12.9	16.3	19.7	21.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	2.0	2.7	3.4	4.1	5.4
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: P632388

CATALOG NUMBER: GWS-SA2C-750-U-T2R-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4	1262.4
2.5°	1286.2	1248.1	1199.3	1157.9	1119.9	1090.7	1065.6	1053.4	1041.8	1033.7	1036.4
5°	1321.5	1256.3	1165.3	1102.2	1063.5	1043.9	1030.3	1023.5	1022.1	1016.7	1014.7
7.5°	1373.0	1280.0	1158.6	1094.8	1069.0	1058.8	1051.3	1047.3	1049.3	1043.9	1041.8
10°	1436.8	1319.4	1175.5	1119.2	1096.8	1089.3	1081.2	1075.8	1073.0	1064.9	1063.5
12.5°	1516.2	1368.3	1206.1	1150.4	1128.0	1115.1	1104.3	1094.8	1088.7	1078.5	1075.8
15°	1601.8	1422.6	1242.0	1181.0	1154.5	1135.5	1117.8	1103.6	1092.7	1079.2	1077.1
17.5°	1694.7	1479.6	1271.9	1202.0	1168.1	1142.9	1117.2	1096.1	1081.2	1063.5	1061.5
20°	1791.8	1537.3	1294.3	1212.2	1168.7	1134.8	1100.2	1072.4	1053.4	1035.7	1034.4
22.5°	1892.2	1590.2	1307.9	1209.5	1157.9	1115.8	1074.4	1043.2	1020.8	999.7	998.4
25°	1993.4	1641.1	1311.3	1198.6	1136.2	1087.3	1045.9	1009.2	984.1	960.4	957.7
27.5°	2095.9	1683.9	1303.1	1176.9	1107.0	1054.0	1012.6	976.7	950.9	927.1	923.0
30°	2205.1	1720.5	1285.5	1148.4	1073.0	1018.7	978.0	950.9	926.4	902.7	898.6
32.5°	2321.9	1752.4	1260.4	1113.8	1033.7	983.5	953.6	929.2	904.7	883.7	879.6
35°	2461.0	1773.5	1223.0	1069.0	997.0	957.7	937.3	908.8	878.9	855.9	853.8
37.5°	2604.9	1789.8	1178.2	1026.2	965.1	942.7	925.8	887.1	849.7	821.9	818.5
40°	2744.0	1803.3	1122.6	986.2	935.9	931.9	908.8	860.6	796.1	764.9	762.2
42.5°	2873.7	1807.4	1064.2	943.4	909.5	907.4	881.6	807.0	757.4	737.8	735.0
45°	2962.6	1804.0	1003.8	903.4	883.0	872.1	845.0	768.3	737.8	720.1	716.7
47.5°	3028.4	1786.4	935.9	861.3	853.1	838.2	779.8	743.9	715.4	697.7	694.3
50°	3016.9	1713.1	867.4	820.6	817.2	804.3	732.3	713.3	688.2	669.2	666.5
52.5°	2957.1	1573.9	797.5	775.8	782.6	757.4	698.4	676.7	655.0	633.2	628.5
55°	2972.1	1473.5	744.5	732.3	744.5	687.5	660.4	637.3	616.9	595.9	591.8
57.5°	3037.2	1374.4	688.2	685.5	698.4	633.9	611.5	582.3	553.1	536.2	536.2
60°	2550.6	1001.8	589.1	595.9	625.1	590.5	570.8	540.9	509.0	494.1	494.1
62.5°	1508.1	628.5	488.7	481.2	499.5	521.3	532.1	507.7	469.7	450.0	450.7
65°	664.5	457.5	431.0	424.9	419.4	434.4	464.2	466.3	426.2	403.2	403.8
67.5°	409.3	414.0	403.2	398.4	393.7	390.9	388.2	389.6	378.7	357.7	357.0
70°	369.2	382.1	374.6	370.6	364.5	359.7	343.4	317.0	298.6	293.2	299.3
72.5°	317.6	335.3	331.2	329.2	321.7	310.2	288.5	262.7	240.9	227.4	230.1
75°	239.6	253.8	255.9	256.6	248.4	237.5	215.2	193.4	174.4	160.2	163.6
77.5°	137.8	145.9	148.0	150.0	143.9	139.8	124.9	109.3	99.1	84.2	88.2
80°	76.7	80.1	80.1	80.8	77.4	72.6	62.4	53.6	48.9	42.1	42.8
82.5°	46.2	47.5	48.2	48.9	46.8	42.1	34.6	28.5	25.8	22.4	21.7
85°	22.4	23.8	23.8	24.4	21.0	18.3	14.3	10.9	9.5	6.8	7.5
87.5°	5.4	6.1	6.1	5.4	4.8	3.4	2.0	0.7	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)