

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: P634920

Luminaire Tested: GWS-SA3C-760-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14350.5 lumens
Efficiency: N/A
Efficacy: 154.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93
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

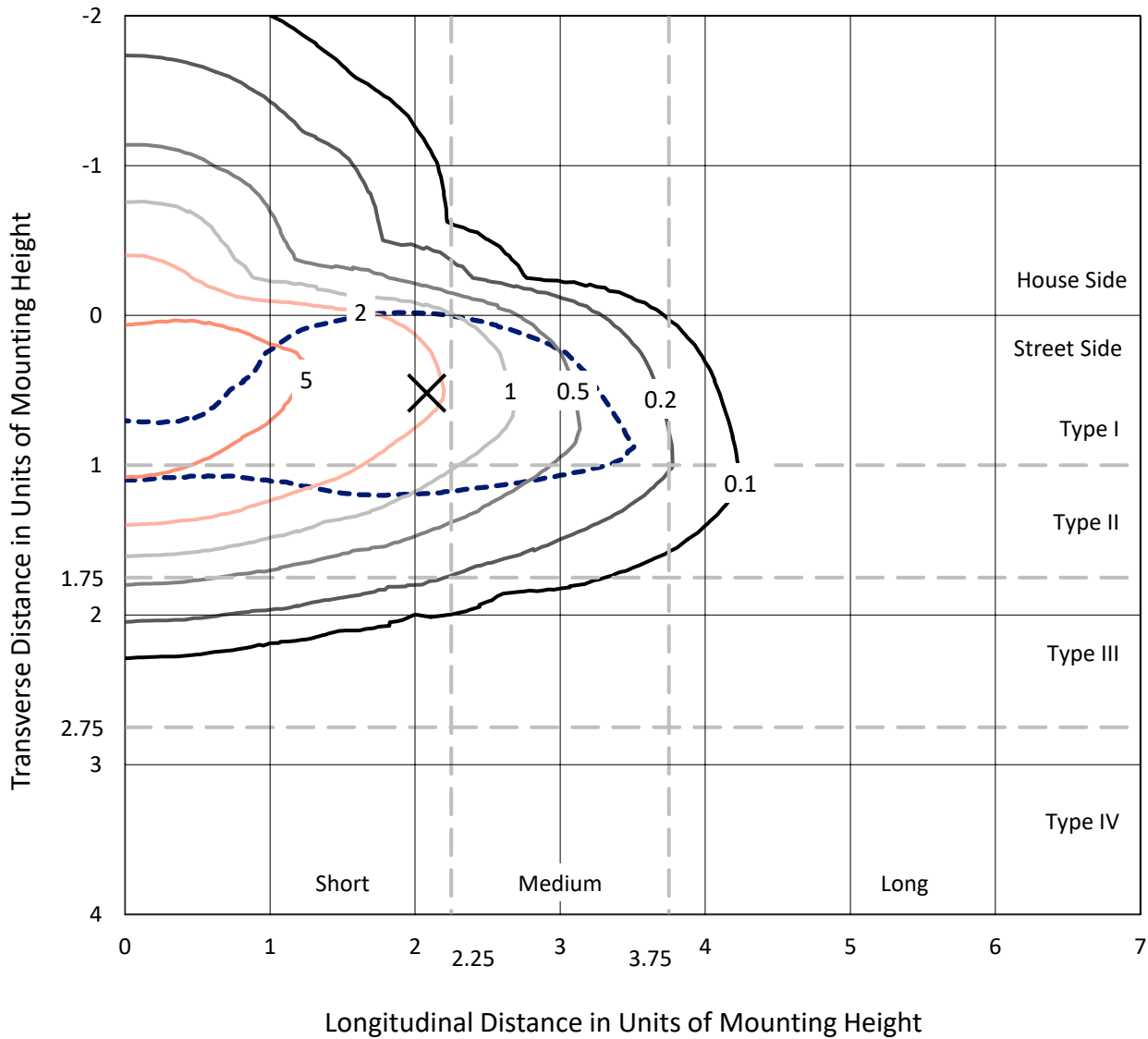


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Iso-Footcandle Lines of Horizontal Illumination

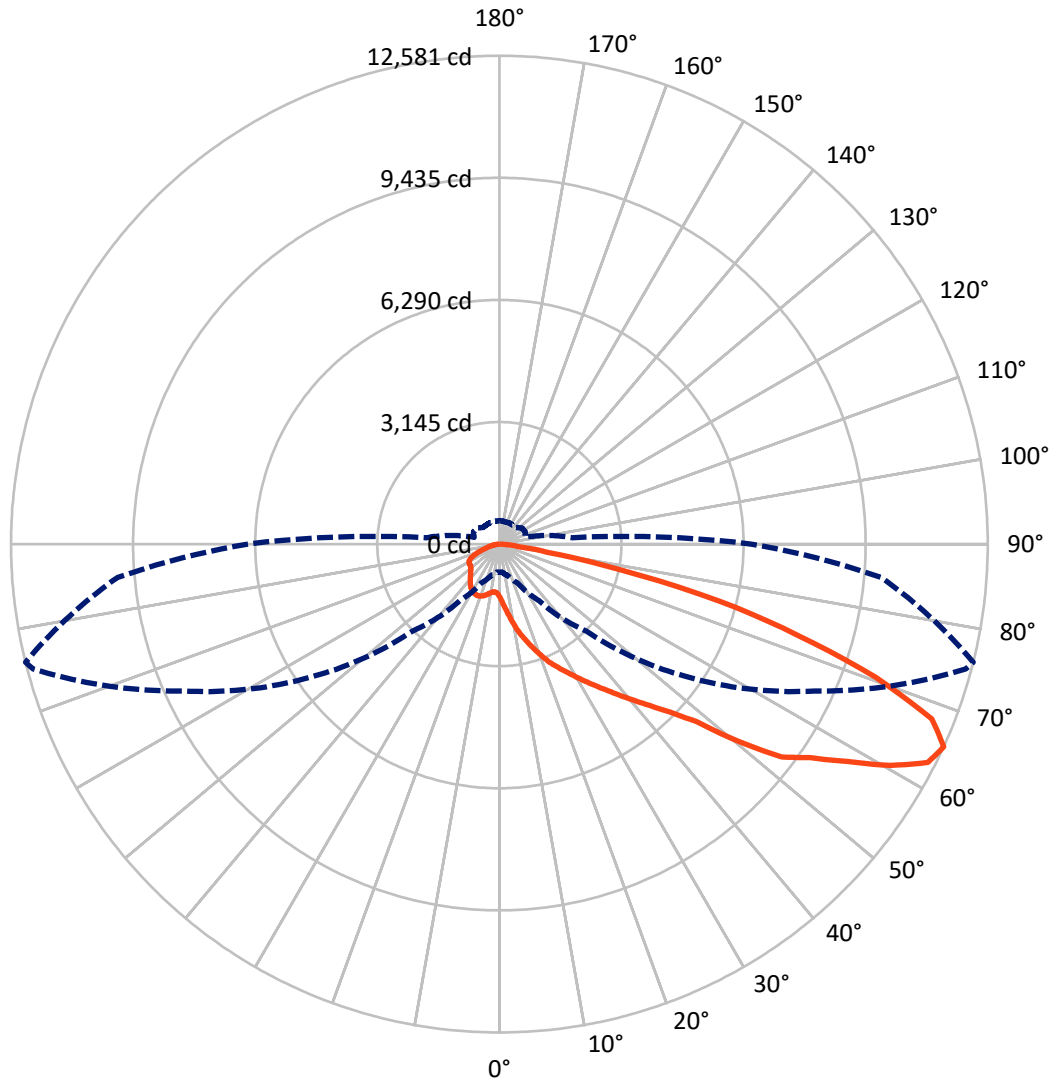
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2398.7	0.0	2398.7
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	11951.8	0.0	11951.8
	% Fixture	83.3	0.0	83.3
Total	Lumens	14350.5	0.0	14350.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.4	1.1
10°-20°	614.9	4.3
20°-30°	1198.4	8.4
30°-40°	2004.3	14.0
40°-50°	2869.8	20.0
50°-60°	3397.4	23.7
60°-70°	2825.0	19.7
70°-80°	1156.1	8.1
80°-90°	123.1	0.9
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°	14350.5	100.0
0°-180°	14350.5	100.0

Coefficient of Utilization



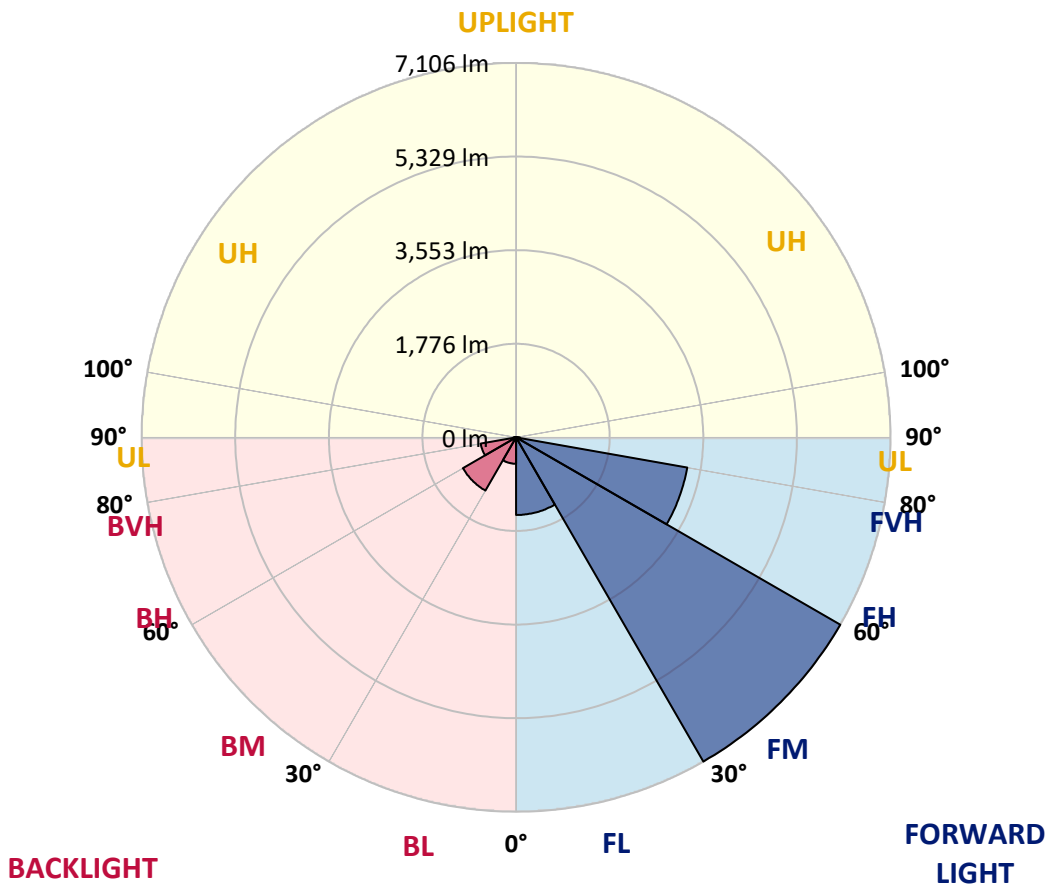
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1473.0	10.3			
FM (30°-60°)	7105.8	49.5			
FH (60°-80°)	3299.5	23.0			G2/5000
FVH (80°-90°)	73.4	0.5			G1/100
BL (0°-30°)	501.8	3.5	B2/1000		
BM (30°-60°)	1165.7	8.1	B2/2500		
BH (60°-80°)	681.5	4.7	B2/1000		G2/1000
BVH (80°-90°)	49.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9
2.5°	1904.7	1911.8	1888.6	1880.5	1826.0	1752.4	1690.9	1598.0	1512.3	1499.2	1422.5
5°	2419.3	2389.0	2362.8	2345.6	2269.9	2186.2	2056.1	1881.5	1698.9	1676.7	1511.3
7.5°	2724.9	2719.9	2687.6	2677.5	2619.0	2535.3	2401.1	2184.2	1918.9	1882.5	1631.3
10°	2970.1	2967.1	2950.9	2960.0	2906.5	2824.8	2694.7	2470.7	2160.0	2123.7	1765.5
12.5°	3184.0	3189.0	3186.0	3219.3	3192.0	3128.5	2993.3	2747.1	2401.1	2361.7	1928.9
15°	3340.3	3344.4	3359.5	3432.2	3447.3	3434.2	3297.0	3018.5	2639.2	2582.7	2097.4
17.5°	3384.7	3392.8	3429.1	3546.2	3627.9	3682.4	3580.5	3294.9	2873.2	2811.7	2268.9
20°	3444.3	3453.3	3489.7	3611.7	3731.8	3855.9	3837.7	3575.4	3109.3	3058.9	2442.5
22.5°	3719.7	3712.6	3696.5	3755.0	3840.7	3995.1	4040.5	3844.8	3353.5	3305.0	2634.1
25°	4250.3	4237.2	4134.3	4080.9	4052.6	4146.4	4227.1	4089.9	3591.6	3518.9	2812.7
27.5°	4835.5	4828.4	4697.3	4570.2	4396.6	4356.3	4403.7	4303.8	3822.6	3748.9	2968.1
30°	5389.3	5368.2	5231.0	5071.6	4839.5	4666.0	4596.4	4513.7	4075.8	3999.1	3149.7
32.5°	5884.7	5857.5	5696.0	5519.5	5276.4	5071.6	4863.7	4736.6	4362.3	4273.5	3335.3
35°	6291.3	6264.0	6098.6	5910.9	5643.6	5492.3	5207.8	4978.7	4653.9	4564.1	3554.2
37.5°	6606.0	6580.8	6408.3	6223.7	5990.6	5870.6	5623.4	5251.1	4989.8	4896.0	3786.3
40°	6782.6	6764.4	6626.2	6479.9	6284.2	6180.3	6069.3	5595.2	5366.1	5272.3	4059.7
42.5°	6836.1	6824.0	6727.1	6651.4	6519.3	6440.6	6504.1	5999.7	5767.7	5686.0	4367.4
45°	6701.9	6701.9	6673.6	6712.0	6718.0	6717.0	6940.0	6456.7	6261.0	6171.2	4801.2
47.5°	6358.9	6381.1	6422.4	6611.1	6809.8	6976.3	7449.4	7066.1	6895.6	6821.9	5415.6
50°	5731.4	5791.9	5933.1	6301.4	6724.1	7147.8	7931.7	7967.0	8129.4	7999.3	6319.5
52.5°	4812.3	4803.2	5163.4	5688.0	6332.6	7154.9	8197.0	8762.0	9198.8	9109.0	6991.4
55°	3824.6	3809.5	4145.4	4868.8	5732.4	6884.5	8356.4	9126.2	9792.0	9711.3	7595.7
57.5°	2928.7	2909.6	3208.2	3860.9	4884.9	6310.4	8326.2	9560.0	10608.2	10566.8	8416.9
60°	2015.7	1992.5	2272.0	2843.0	3882.1	5432.7	7991.2	9783.0	11563.6	11577.7	9295.7
62.5°	1210.6	1197.5	1400.3	1843.2	2792.5	4345.2	7207.3	9647.8	12324.3	12387.8	9860.6
65°	730.4	721.3	840.4	1099.7	1771.6	3170.9	5998.7	8956.7	12434.2	12580.5	9873.7
67.5°	531.7	532.7	567.0	669.9	1033.1	2048.0	4501.5	7717.8	11861.2	12012.5	9251.3
70°	462.1	464.1	482.2	505.4	624.5	1172.3	2926.7	6092.5	10167.3	10284.4	7759.2
72.5°	410.6	410.6	422.7	434.8	488.3	714.3	1567.8	4258.4	8024.5	8055.8	5922.0
75°	361.2	358.1	364.2	370.3	423.7	499.4	762.7	2967.1	5927.1	5854.4	3827.6
77.5°	287.5	284.5	285.5	291.6	340.0	357.1	386.4	1853.3	3340.3	3152.7	1690.9
80°	204.8	202.8	213.9	229.0	251.2	218.9	242.1	896.9	1324.6	1232.8	655.8
82.5°	122.1	126.1	143.3	155.4	173.5	137.2	156.4	299.6	469.1	457.0	266.3
85°	17.2	18.2	51.5	59.5	74.7	53.5	82.7	135.2	187.6	200.8	93.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.1	24.2	53.5	54.5	23.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9	1358.9
2.5°	1383.2	1335.7	1268.1	1211.6	1164.2	1125.9	1093.6	1069.4	1062.3	1052.2	1052.2
5°	1433.6	1347.8	1226.8	1141.0	1091.6	1062.3	1042.2	1032.1	1027.0	1021.0	1017.9
7.5°	1503.2	1383.2	1219.7	1133.0	1094.6	1076.5	1063.3	1057.3	1053.3	1047.2	1047.2
10°	1599.0	1435.6	1241.9	1161.2	1130.9	1112.8	1097.6	1087.6	1078.5	1069.4	1067.4
12.5°	1703.0	1504.2	1282.3	1199.5	1167.3	1145.1	1123.9	1108.7	1097.6	1086.5	1083.5
15°	1818.0	1574.8	1325.6	1236.9	1196.5	1166.2	1141.0	1117.8	1102.7	1086.5	1084.5
17.5°	1931.0	1646.5	1362.0	1262.1	1210.6	1173.3	1137.0	1106.7	1087.6	1069.4	1064.4
20°	2066.2	1718.1	1387.2	1269.2	1207.6	1158.2	1114.8	1076.5	1055.3	1034.1	1031.1
22.5°	2190.2	1784.7	1399.3	1259.1	1184.4	1125.9	1075.4	1034.1	1010.9	989.7	985.7
25°	2310.3	1843.2	1394.2	1234.8	1149.1	1081.5	1029.0	987.7	965.5	943.3	937.2
27.5°	2426.3	1882.5	1374.1	1197.5	1104.7	1032.1	981.6	944.3	925.1	906.0	897.9
30°	2540.3	1918.9	1342.8	1149.1	1048.2	980.6	939.3	913.0	893.9	873.7	867.6
32.5°	2655.3	1945.1	1295.4	1092.6	990.7	935.2	910.0	890.8	870.6	850.5	844.4
35°	2771.3	1956.2	1237.9	1028.0	942.3	906.0	896.9	874.7	847.4	823.2	815.2
37.5°	2909.6	1966.3	1166.2	964.5	899.9	891.8	889.8	856.5	824.2	790.9	781.9
40°	3076.0	1979.4	1092.6	907.0	865.6	886.8	878.7	833.3	768.8	736.5	726.4
42.5°	3279.8	2003.6	1015.9	854.5	840.4	867.6	858.5	776.8	733.4	715.3	710.2
45°	3579.4	2092.4	939.3	813.1	821.2	840.4	826.3	743.5	726.4	714.3	708.2
47.5°	4113.1	2228.6	872.7	781.9	806.1	816.2	761.7	734.5	721.3	705.2	698.1
50°	4668.0	2288.1	819.2	762.7	788.9	794.0	726.4	722.3	713.3	696.1	689.1
52.5°	5043.3	2280.0	786.9	755.6	774.8	755.6	710.2	709.2	703.2	683.0	674.9
55°	5467.0	2294.2	772.8	757.7	768.8	691.1	690.1	693.1	690.1	667.9	663.8
57.5°	6039.1	2337.5	765.7	764.7	764.7	659.8	670.9	674.9	668.9	658.8	655.8
60°	6588.9	2340.6	752.6	772.8	761.7	640.6	648.7	652.7	645.7	643.7	642.6
62.5°	6795.7	2195.3	723.4	766.7	749.6	619.4	625.5	627.5	620.5	625.5	624.5
65°	6488.0	1886.6	674.9	737.5	712.3	600.3	596.2	601.3	589.2	602.3	603.3
67.5°	5760.6	1499.2	601.3	682.0	659.8	579.1	571.0	571.0	550.8	571.0	570.0
70°	4644.8	1059.3	493.3	593.2	602.3	553.9	549.8	526.6	494.3	524.6	521.6
72.5°	3520.9	760.7	388.4	469.1	518.6	518.6	519.6	480.2	442.9	457.0	444.9
75°	2230.6	535.7	310.7	359.2	406.6	455.0	478.2	405.6	372.3	366.2	360.2
77.5°	1004.8	352.1	242.1	275.4	288.5	359.2	436.8	349.1	303.7	290.6	286.5
80°	420.7	218.9	172.5	194.7	177.6	301.7	385.4	271.4	223.0	204.8	191.7
82.5°	184.6	130.1	110.0	104.9	111.0	224.0	287.5	180.6	139.2	188.7	190.7
85°	77.7	68.6	56.5	51.5	45.4	85.8	135.2	70.6	86.8	49.4	40.4
87.5°	18.2	20.2	15.1	10.1	6.1	1.0	0.0	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)