

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P200539

Luminaire Tested: **GWC-AF-01-LED-E1-5MQ-8030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24142)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GWC-AF-01-LED-E1-5MQ-8030-600
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3590 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B2 - U0 - G1

Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

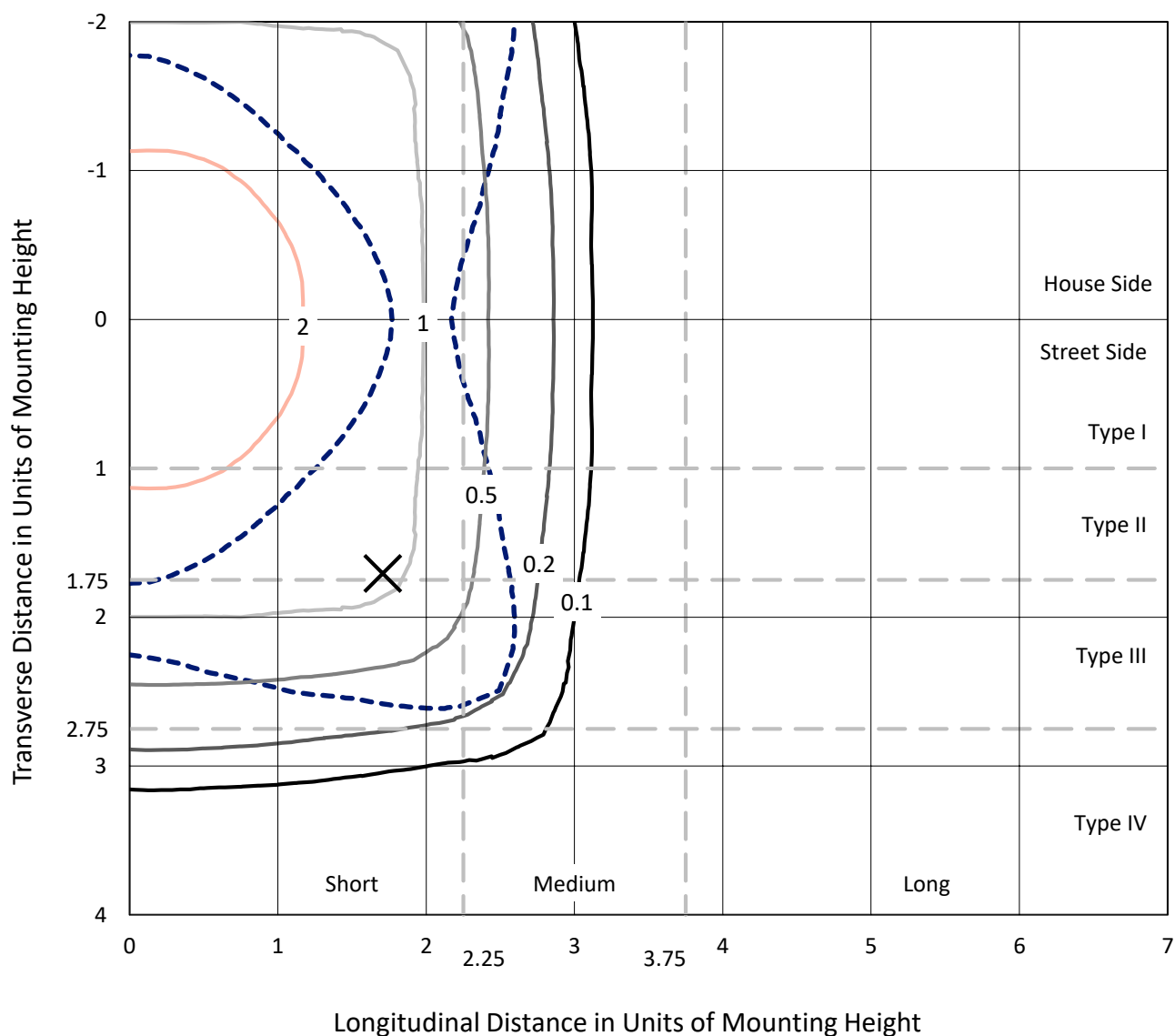


REPORT NUMBER: P200539

CATALOG NUMBER: GWC-AF-01-LED-E1-5MQ-8030-600

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

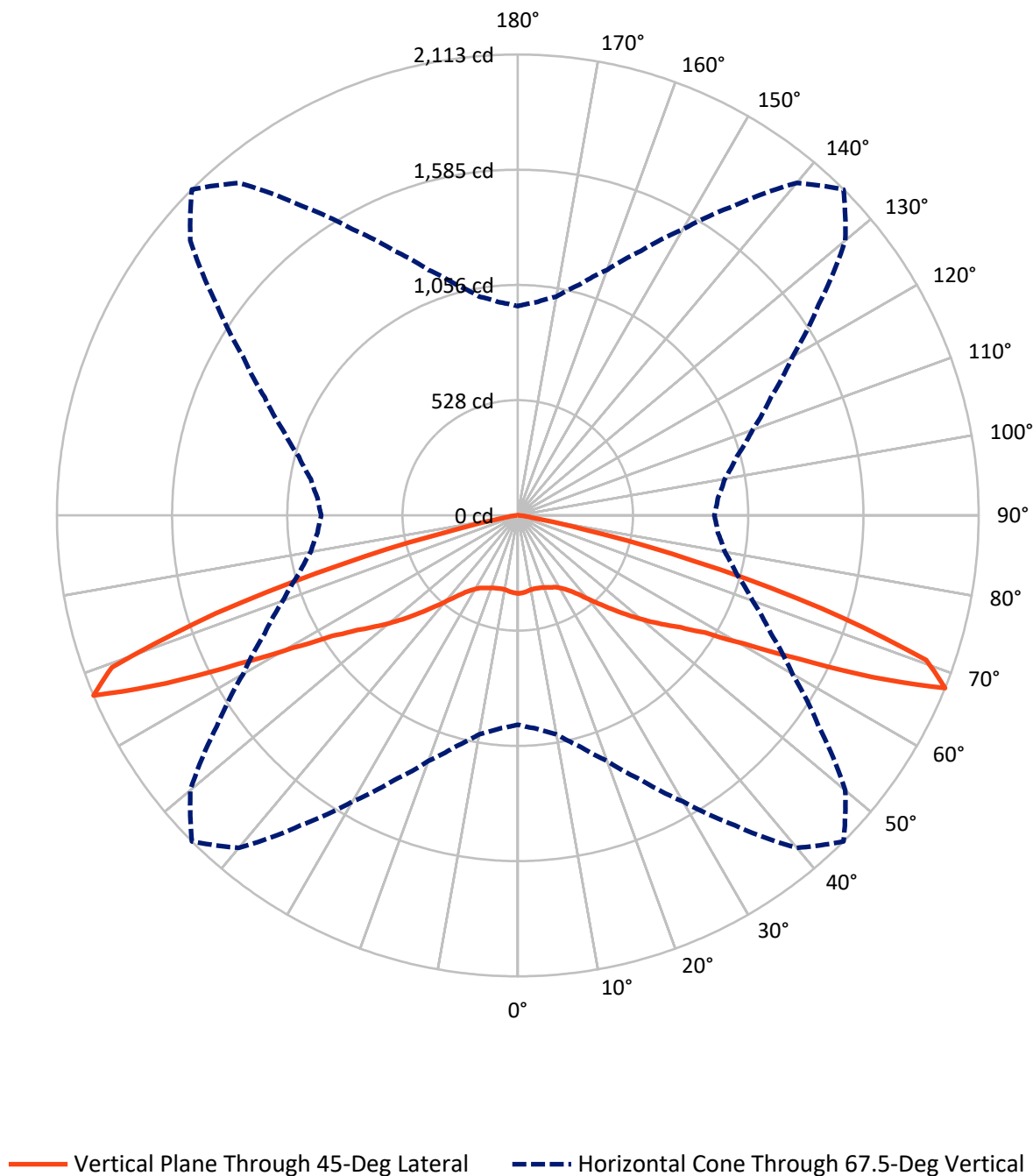


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
Type V - Short - Full Cutoff

REPORT NUMBER: P200539

CATALOG NUMBER: GWC-AF-01-LED-E1-5MQ-8030-600

Luminous Intensity Polar Plot



REPORT NUMBER: P200539

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1795.0	0.0	1795.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1795.0	0.0	1795.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3590.0	0.0	3590.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	0.9
10°-20°	97.2	2.7
20°-30°	165.2	4.6
30°-40°	270.0	7.5
40°-50°	482.0	13.4
50°-60°	812.7	22.6
60°-70°	1261.2	35.1
70°-80°	443.1	12.3
80°-90°	25.0	0.7
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°	3590.0	100.0
0°-180°	3590.0	100.0



REPORT NUMBER: P200539

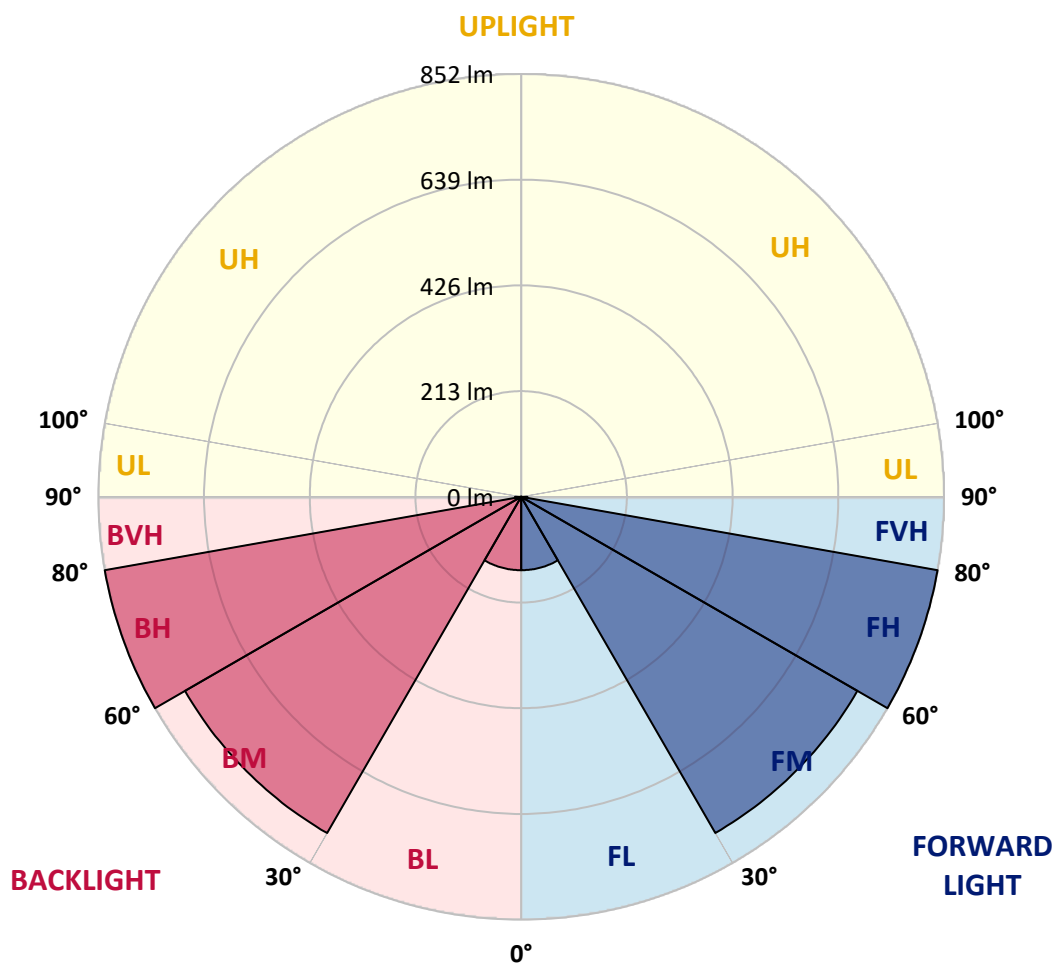
CATALOG NUMBER: GWC-AF-01-LED-E1-5MQ-8030-600

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.9	4.1			
FM	(30°-60°)	782.4	21.8			
FH	(60°-80°)	852.2	23.7			G1/1800
FVH	(80°-90°)	12.5	0.3			G1/100
BL	(0°-30°)	147.9	4.1	B1/500		
BM	(30°-60°)	782.4	21.8	B1/1000		
BH	(60°-80°)	852.2	23.7	B2/1000		G1/1800
BVH	(80°-90°)	12.5	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-G1

Type V Short



REPORT NUMBER: P200539

CATALOG NUMBER: GWC-AF-01-LED-E1-5MQ-8030-600

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8
2.5°	356.4	356.8	356.8	356.8	356.6	356.6	356.3	356.6	356.4	355.9	356.1
5°	353.5	353.8	353.8	353.6	354.1	354.0	353.5	353.8	353.6	353.3	353.5
7.5°	349.2	349.7	349.7	349.5	350.0	349.8	349.5	349.7	349.7	349.2	349.2
10°	344.4	344.7	344.7	344.6	345.4	345.4	345.2	345.7	345.9	345.4	345.0
12.5°	339.9	340.4	340.4	341.1	341.9	342.2	343.1	343.7	344.4	344.2	343.6
15°	337.3	337.6	338.3	339.1	340.4	341.6	342.9	344.4	345.7	346.0	345.0
17.5°	335.6	336.1	337.1	338.3	340.1	342.1	344.1	346.0	347.9	348.5	347.4
20°	335.1	335.5	336.5	338.4	340.9	343.9	346.7	349.0	351.5	352.3	351.5
22.5°	336.1	336.8	337.9	340.3	343.6	347.4	350.7	353.8	356.9	358.4	357.3
25°	340.6	341.2	342.7	345.7	349.3	353.3	357.1	360.7	363.5	365.0	364.2
27.5°	348.8	349.7	351.5	354.5	358.4	362.7	366.8	369.8	372.1	372.6	371.6
30°	361.2	363.0	365.2	368.5	373.1	376.7	380.9	383.5	386.3	386.3	385.5
32.5°	380.5	382.4	384.7	387.8	391.4	395.4	399.0	401.3	404.3	404.5	402.5
35°	409.4	410.3	412.2	414.2	417.5	421.0	424.1	425.6	428.1	428.3	426.4
37.5°	447.6	447.7	449.1	449.7	452.7	456.5	459.5	460.4	462.8	462.4	460.6
40°	492.0	492.8	493.3	494.3	497.4	501.1	504.2	504.7	507.2	506.7	504.4
42.5°	543.3	543.7	546.5	547.9	550.9	552.7	556.7	557.2	560.2	558.8	556.2
45°	600.9	603.9	606.6	609.5	612.7	614.8	617.9	617.3	619.3	617.3	615.8
47.5°	661.5	663.7	669.6	674.2	679.4	681.2	685.6	683.7	685.6	682.8	682.3
50°	728.2	732.0	737.1	742.4	747.9	750.8	756.6	754.1	756.8	754.1	752.7
52.5°	793.9	794.9	806.2	813.9	821.5	825.0	828.4	827.3	827.5	827.3	825.8
55°	856.3	858.7	869.9	880.4	893.7	903.4	909.3	908.7	907.2	905.7	903.2
57.5°	926.7	929.0	941.9	954.9	969.9	983.8	995.8	1008.2	1013.0	1014.3	1008.9
60°	1021.8	1021.6	1038.8	1054.6	1076.1	1096.7	1123.1	1150.0	1180.9	1195.3	1176.3
62.5°	1118.5	1122.5	1147.2	1175.3	1219.5	1262.6	1311.3	1359.2	1408.1	1447.9	1405.6
65°	1107.0	1122.1	1159.0	1222.5	1304.2	1401.3	1506.3	1617.4	1717.8	1786.8	1709.4
67.5°	959.4	981.0	1018.5	1095.7	1197.9	1337.9	1514.2	1734.0	1989.4	2112.9	1959.8
70°	695.4	719.8	759.1	834.6	935.8	1068.8	1260.3	1524.1	1862.3	1986.7	1818.2
72.5°	346.0	359.2	383.5	431.6	508.2	616.1	789.8	1043.4	1342.5	1456.8	1302.8
75°	117.5	123.7	127.8	143.5	167.7	210.2	296.5	456.2	695.9	834.2	686.0
77.5°	67.9	68.0	70.8	73.6	77.8	82.4	93.9	123.3	213.3	302.9	220.7
80°	43.9	43.7	46.1	48.2	51.0	53.3	54.0	57.1	65.9	78.1	69.8
82.5°	22.8	25.6	30.7	33.5	38.8	39.8	38.5	37.3	39.5	40.9	41.9
85°	12.5	10.9	16.3	21.1	23.4	23.8	23.8	22.5	23.3	22.8	24.8
87.5°	5.8	5.3	6.4	10.4	11.1	9.4	9.9	8.7	6.3	6.1	6.9
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: P200539

CATALOG NUMBER: GWC-AF-01-LED-E1-5MQ-8030-600

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	357.8	357.8	357.8	357.8	357.8	357.8	357.8	357.8
2.5°	356.1	356.3	356.3	356.8	356.9	357.3	357.6	357.8
5°	353.3	353.8	353.5	354.0	354.0	354.3	354.3	354.5
7.5°	349.2	349.7	349.7	349.7	349.5	350.0	350.0	350.0
10°	344.9	345.2	345.0	344.7	344.4	344.9	344.7	344.6
12.5°	343.6	342.7	342.1	341.7	341.1	341.2	340.8	340.8
15°	344.4	342.9	341.7	341.2	340.6	340.3	339.9	340.1
17.5°	346.5	344.7	343.2	342.4	341.6	341.1	340.4	340.6
20°	350.3	348.2	346.0	344.4	342.9	342.1	341.6	341.4
22.5°	355.9	352.8	349.7	347.2	345.2	344.1	343.6	343.2
25°	362.4	358.9	355.3	352.5	350.5	349.0	348.0	348.0
27.5°	370.5	367.7	364.4	361.1	359.2	357.8	357.1	356.8
30°	384.0	381.4	378.7	375.6	373.3	371.8	370.6	369.6
32.5°	401.3	399.2	397.1	394.7	392.6	390.6	388.8	388.0
35°	425.8	424.1	422.6	420.0	419.2	418.0	417.0	416.2
37.5°	459.5	458.8	458.8	456.0	455.3	454.8	453.8	454.0
40°	503.7	504.4	503.5	502.5	502.1	500.7	500.7	501.9
42.5°	556.0	556.5	558.3	556.7	558.5	556.9	555.9	556.7
45°	616.8	618.6	622.2	620.6	621.7	618.9	615.5	615.6
47.5°	685.0	686.6	688.1	687.0	687.1	682.5	677.9	676.7
50°	755.8	756.5	757.3	755.6	756.0	750.8	745.6	745.7
52.5°	825.8	828.9	832.2	827.8	826.8	821.0	813.6	810.6
55°	905.9	910.3	906.5	898.8	891.0	883.3	873.5	871.9
57.5°	1004.6	997.0	985.1	970.4	959.7	948.8	938.9	934.8
60°	1142.0	1113.4	1091.9	1070.1	1056.4	1043.1	1030.0	1028.0
62.5°	1336.1	1286.7	1244.0	1198.9	1162.1	1133.4	1110.4	1104.0
65°	1579.5	1462.7	1361.5	1267.1	1185.0	1123.1	1084.2	1067.0
67.5°	1684.1	1453.7	1280.1	1146.1	1038.8	963.8	921.7	900.8
70°	1479.9	1205.5	1016.8	882.6	784.9	705.0	666.8	644.4
72.5°	1018.1	766.9	606.4	495.0	416.9	350.0	323.6	321.6
75°	457.1	302.8	208.7	160.8	135.4	117.7	112.3	108.1
77.5°	127.9	94.6	84.4	78.9	73.6	67.5	65.2	65.7
80°	62.2	58.8	56.5	53.0	48.2	43.1	40.8	41.8
82.5°	41.3	40.8	42.3	39.8	32.9	27.9	23.4	21.5
85°	25.1	25.4	25.9	26.1	22.1	15.5	10.6	11.9
87.5°	9.9	11.4	12.4	12.9	12.1	7.4	5.9	6.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)