

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: P634865

Luminaire Tested: GWS-SA3C-750-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634865
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-750-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14550 lumens
Efficiency: N/A
Efficacy: 156.5 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

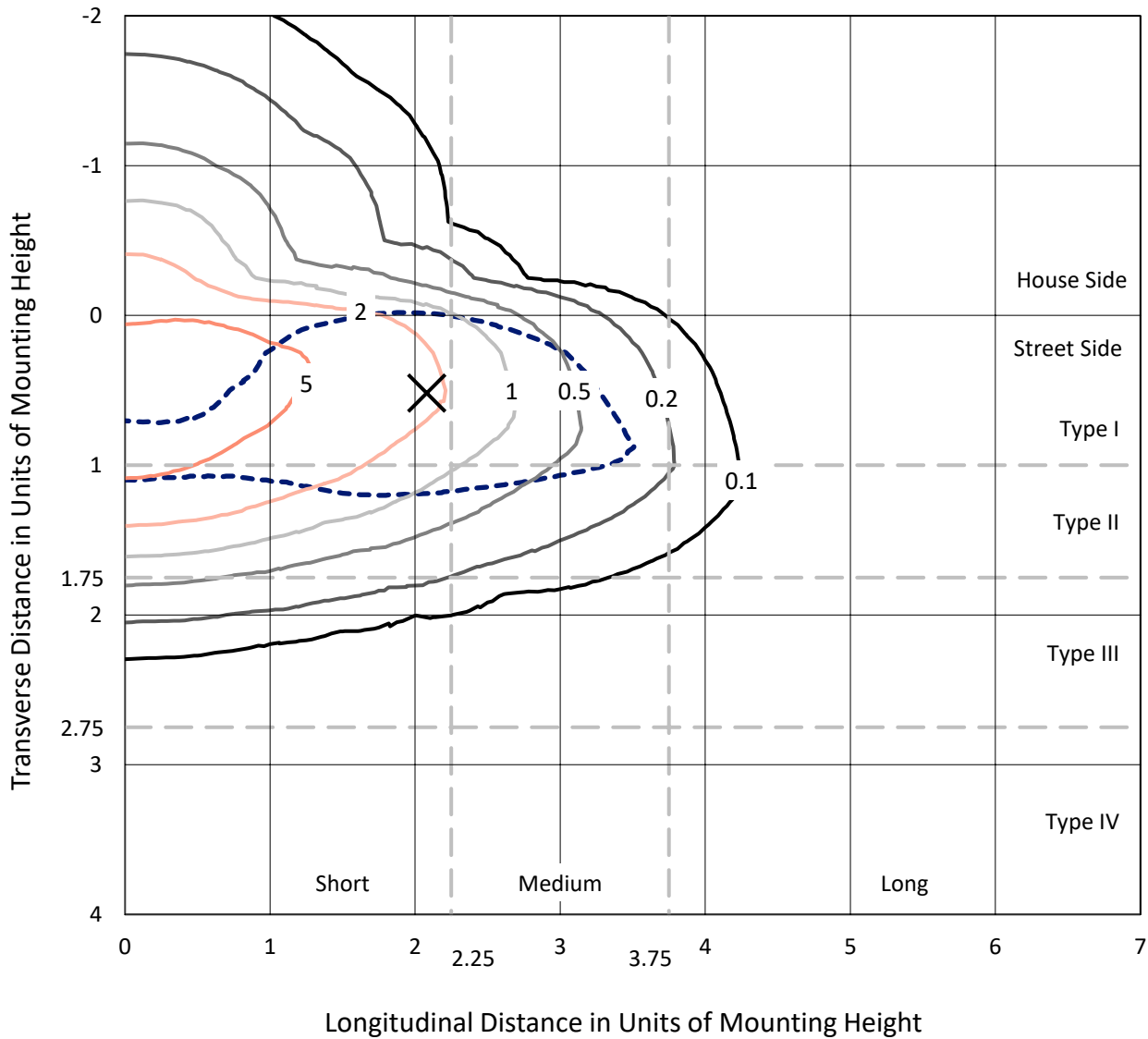
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

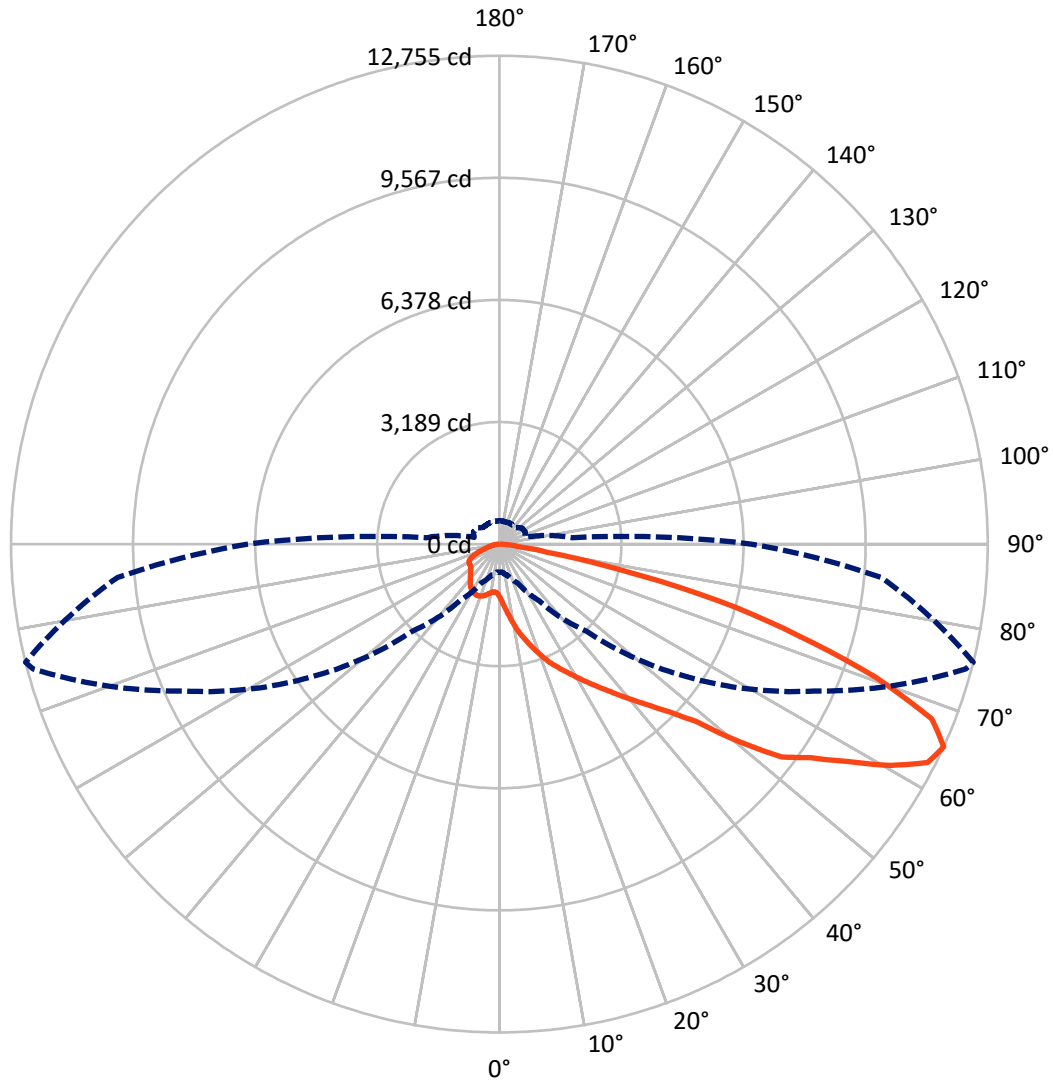
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 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	2432.0	0.0	2432.0
	% Fixture	16.7	0.0	16.7
Street Side	Lumens	12118.0	0.0	12118.0
	% Fixture	83.3	0.0	83.3
Total	Lumens	14550.0	0.0	14550.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.7	1.1
10°-20°	623.5	4.3
20°-30°	1215.1	8.4
30°-40°	2032.2	14.0
40°-50°	2909.7	20.0
50°-60°	3444.7	23.7
60°-70°	2864.3	19.7
70°-80°	1172.1	8.1
80°-90°	124.8	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°	14550.0	100.0
0°-180°	14550.0	100.0

Coefficient of Utilization



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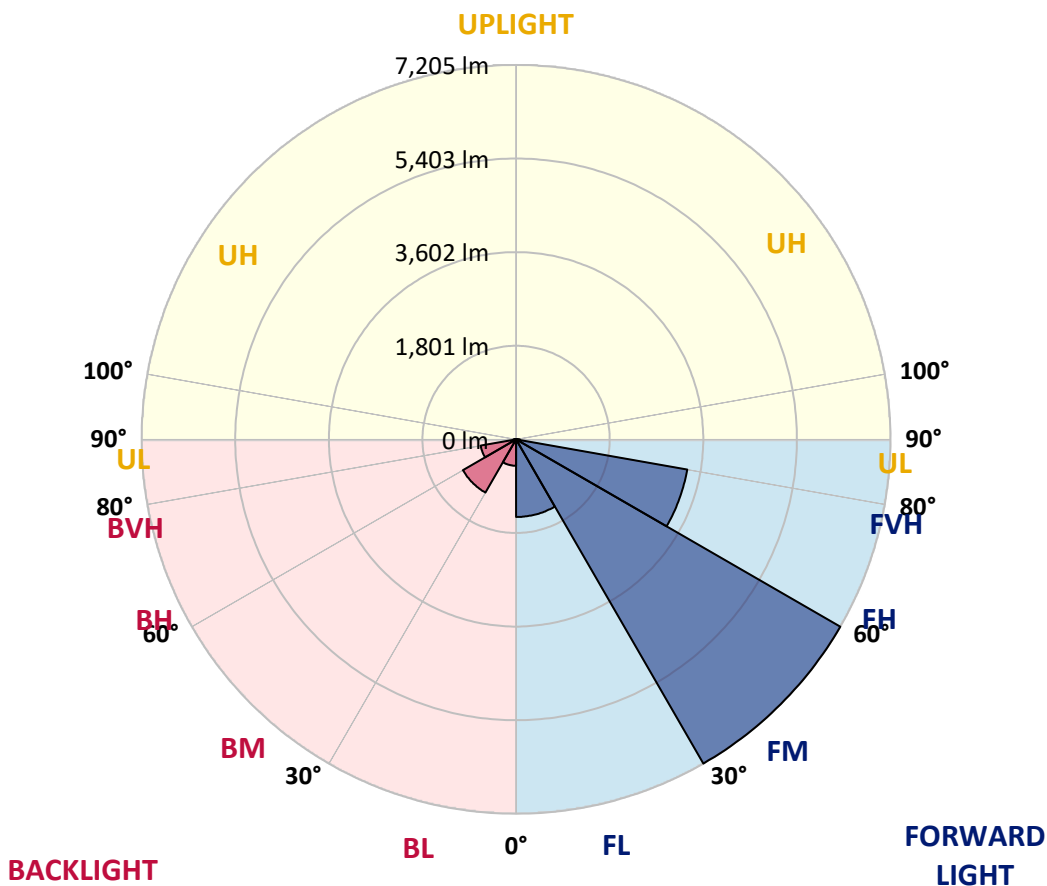
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1493.5	10.3			
FM (30°-60°)	7204.6	49.5			
FH (60°-80°)	3345.4	23.0			G2/5000
FVH (80°-90°)	74.4	0.5			G1/100
BL (0°-30°)	508.8	3.5	B2/1000		
BM (30°-60°)	1181.9	8.1	B2/2500		
BH (60°-80°)	691.0	4.7	B2/1000		G2/1000
BVH (80°-90°)	50.4	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°	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8
2.5°	1931.2	1938.4	1914.8	1906.7	1851.4	1776.8	1714.4	1620.3	1533.3	1520.0	1442.3
5°	2452.9	2422.2	2395.6	2378.2	2301.5	2216.6	2084.6	1907.7	1722.5	1700.0	1532.3
7.5°	2762.8	2757.7	2725.0	2714.7	2655.4	2570.5	2434.5	2214.6	1945.5	1908.7	1654.0
10°	3011.4	3008.3	2991.9	3001.2	2946.9	2864.1	2732.1	2505.1	2190.0	2153.2	1790.1
12.5°	3228.2	3233.4	3230.3	3264.0	3236.4	3172.0	3034.9	2785.3	2434.5	2394.6	1955.8
15°	3386.8	3390.9	3406.2	3479.9	3495.2	3481.9	3342.8	3060.5	2675.9	2618.6	2126.6
17.5°	3431.8	3440.0	3476.8	3595.5	3678.3	3733.5	3630.2	3340.8	2913.2	2850.8	2300.5
20°	3492.1	3501.3	3538.2	3661.9	3783.7	3909.5	3891.1	3625.1	3152.5	3101.4	2476.4
22.5°	3771.4	3764.2	3747.9	3807.2	3894.1	4050.6	4096.7	3898.2	3400.1	3351.0	2670.8
25°	4309.4	4296.1	4191.8	4137.6	4108.9	4204.1	4285.9	4146.8	3641.5	3567.8	2851.8
27.5°	4902.7	4895.5	4762.6	4633.7	4457.7	4416.8	4464.9	4363.6	3875.7	3801.1	3009.3
30°	5464.3	5442.8	5303.7	5142.1	4906.8	4730.9	4660.3	4576.4	4132.5	4054.7	3193.5
32.5°	5966.5	5938.9	5775.2	5596.2	5349.7	5142.1	4931.3	4802.5	4423.0	4333.0	3381.7
35°	6378.7	6351.1	6183.4	5993.1	5722.0	5568.6	5280.2	5048.0	4718.6	4627.5	3603.6
37.5°	6697.9	6672.3	6497.4	6310.2	6073.9	5952.2	5701.6	5324.1	5059.2	4964.1	3838.9
40°	6876.9	6858.5	6718.3	6570.0	6371.6	6266.2	6153.7	5672.9	5440.7	5345.6	4116.1
42.5°	6931.1	6918.8	6820.6	6743.9	6609.9	6530.1	6594.6	6083.1	5847.9	5765.0	4428.1
45°	6795.1	6795.1	6766.4	6805.3	6811.4	6810.4	7036.5	6546.5	6348.0	6257.0	4867.9
47.5°	6447.3	6469.8	6511.7	6703.0	6904.5	7073.3	7553.0	7164.3	6991.4	6916.8	5490.9
50°	5811.0	5872.4	6015.6	6389.0	6817.6	7247.2	8042.0	8077.8	8242.4	8110.5	6407.4
52.5°	4879.2	4870.0	5235.1	5767.0	6420.7	7254.3	8311.0	8883.8	9326.7	9235.7	7088.6
55°	3877.8	3862.4	4203.1	4936.5	5812.1	6980.2	8472.6	9253.1	9928.2	9846.3	7701.3
57.5°	2969.4	2950.0	3252.8	3914.6	4952.8	6398.2	8441.9	9692.9	10755.7	10713.7	8534.0
60°	2043.7	2020.2	2303.5	2882.5	3936.1	5508.3	8102.3	9919.0	11724.4	11738.7	9424.9
62.5°	1227.5	1214.2	1419.8	1868.8	2831.4	4405.6	7307.5	9781.9	12495.6	12560.1	9997.7
65°	740.6	731.4	852.1	1114.9	1796.2	3214.9	6082.1	9081.2	12607.1	12755.4	10011.0
67.5°	539.1	540.1	574.9	679.2	1047.4	2076.5	4564.1	7825.1	12026.1	12179.5	9379.9
70°	468.5	470.5	488.9	512.5	633.2	1188.6	2967.4	6177.2	10308.7	10427.3	7867.0
72.5°	416.3	416.3	428.6	440.9	495.1	724.2	1589.6	4317.6	8136.1	8167.8	6004.4
75°	366.2	363.1	369.3	375.4	429.6	506.3	773.3	3008.3	6009.5	5935.8	3880.8
77.5°	291.5	288.5	289.5	295.6	344.7	362.1	391.8	1879.0	3386.8	3196.5	1714.4
80°	207.6	205.6	216.9	232.2	254.7	222.0	245.5	909.3	1343.1	1250.0	664.9
82.5°	123.8	127.9	145.3	157.5	175.9	139.1	158.5	303.8	475.6	463.4	270.0
85°	17.4	18.4	52.2	60.4	75.7	54.2	83.9	137.1	190.3	203.6	95.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.2	24.5	54.2	55.2	23.5
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°	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8	1377.8
2.5°	1402.4	1354.3	1285.8	1228.5	1180.4	1141.5	1108.8	1084.3	1077.1	1066.9	1066.9
5°	1453.5	1366.6	1243.8	1156.9	1106.8	1077.1	1056.6	1046.4	1041.3	1035.2	1032.1
7.5°	1524.1	1402.4	1236.7	1148.7	1109.8	1091.4	1078.1	1072.0	1067.9	1061.8	1061.8
10°	1621.3	1455.6	1259.2	1177.3	1146.7	1128.2	1112.9	1102.7	1093.5	1084.3	1082.2
12.5°	1726.6	1525.1	1300.1	1216.2	1183.5	1161.0	1139.5	1124.2	1112.9	1101.7	1098.6
15°	1843.2	1596.7	1344.1	1254.1	1213.1	1182.5	1156.9	1133.4	1118.0	1101.7	1099.6
17.5°	1957.8	1669.4	1380.9	1279.6	1227.5	1189.6	1152.8	1122.1	1102.7	1084.3	1079.1
20°	2094.9	1742.0	1406.5	1286.8	1224.4	1174.3	1130.3	1091.4	1069.9	1048.5	1045.4
22.5°	2220.7	1809.5	1418.7	1276.6	1200.9	1141.5	1090.4	1048.5	1024.9	1003.5	999.4
25°	2342.4	1868.8	1413.6	1252.0	1165.1	1096.5	1043.3	1001.4	978.9	956.4	950.3
27.5°	2460.0	1908.7	1393.2	1214.2	1120.1	1046.4	995.3	957.4	938.0	918.6	910.4
30°	2575.6	1945.5	1361.5	1165.1	1062.8	994.2	952.3	925.7	906.3	885.8	879.7
32.5°	2692.2	1972.1	1313.4	1107.8	1004.5	948.2	922.6	903.2	882.8	862.3	856.2
35°	2809.9	1983.4	1255.1	1042.3	955.4	918.6	909.3	886.8	859.2	834.7	826.5
37.5°	2950.0	1993.6	1182.5	977.9	912.4	904.2	902.2	868.4	835.7	801.9	792.7
40°	3118.8	2006.9	1107.8	919.6	877.6	899.1	890.9	844.9	779.4	746.7	736.5
42.5°	3325.4	2031.5	1030.0	866.4	852.1	879.7	870.5	787.6	743.6	725.2	720.1
45°	3629.2	2121.5	952.3	824.4	832.6	852.1	837.7	753.9	736.5	724.2	718.1
47.5°	4170.3	2259.6	884.8	792.7	817.3	827.5	772.3	744.7	731.4	715.0	707.8
50°	4732.9	2319.9	830.6	773.3	799.9	805.0	736.5	732.4	723.2	705.8	698.6
52.5°	5113.4	2311.7	797.9	766.1	785.6	766.1	720.1	719.1	713.0	692.5	684.3
55°	5543.0	2326.0	783.5	768.2	779.4	700.7	699.7	702.7	699.7	677.2	673.1
57.5°	6123.0	2370.0	776.4	775.3	775.3	669.0	680.2	684.3	678.2	667.9	664.9
60°	6680.5	2373.1	763.1	783.5	772.3	649.5	657.7	661.8	654.6	652.6	651.6
62.5°	6890.2	2225.8	733.4	777.4	760.0	628.1	634.2	636.2	629.1	634.2	633.2
65°	6578.2	1912.8	684.3	747.7	722.2	608.6	604.5	609.6	597.4	610.7	611.7
67.5°	5840.7	1520.0	609.6	691.5	669.0	587.1	579.0	579.0	558.5	579.0	577.9
70°	4709.4	1074.0	500.2	601.5	610.7	561.6	557.5	533.9	501.2	531.9	528.8
72.5°	3569.9	771.3	393.8	475.6	525.8	525.8	526.8	486.9	449.0	463.4	451.1
75°	2261.6	543.2	315.0	364.1	412.2	461.3	484.8	411.2	377.4	371.3	365.2
77.5°	1018.8	357.0	245.5	279.2	292.5	364.1	442.9	353.9	307.9	294.6	290.5
80°	426.5	222.0	174.9	197.4	180.0	305.8	390.7	275.2	226.1	207.6	194.3
82.5°	187.2	132.0	111.5	106.4	112.5	227.1	291.5	183.1	141.2	191.3	193.3
85°	78.8	69.6	57.3	52.2	46.0	86.9	137.1	71.6	88.0	50.1	40.9
87.5°	18.4	20.5	15.3	10.2	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)