

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: P635053

Luminaire Tested: GWS-SA3D-722-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11759.8 lumens
Efficiency: N/A
Efficacy: 97.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

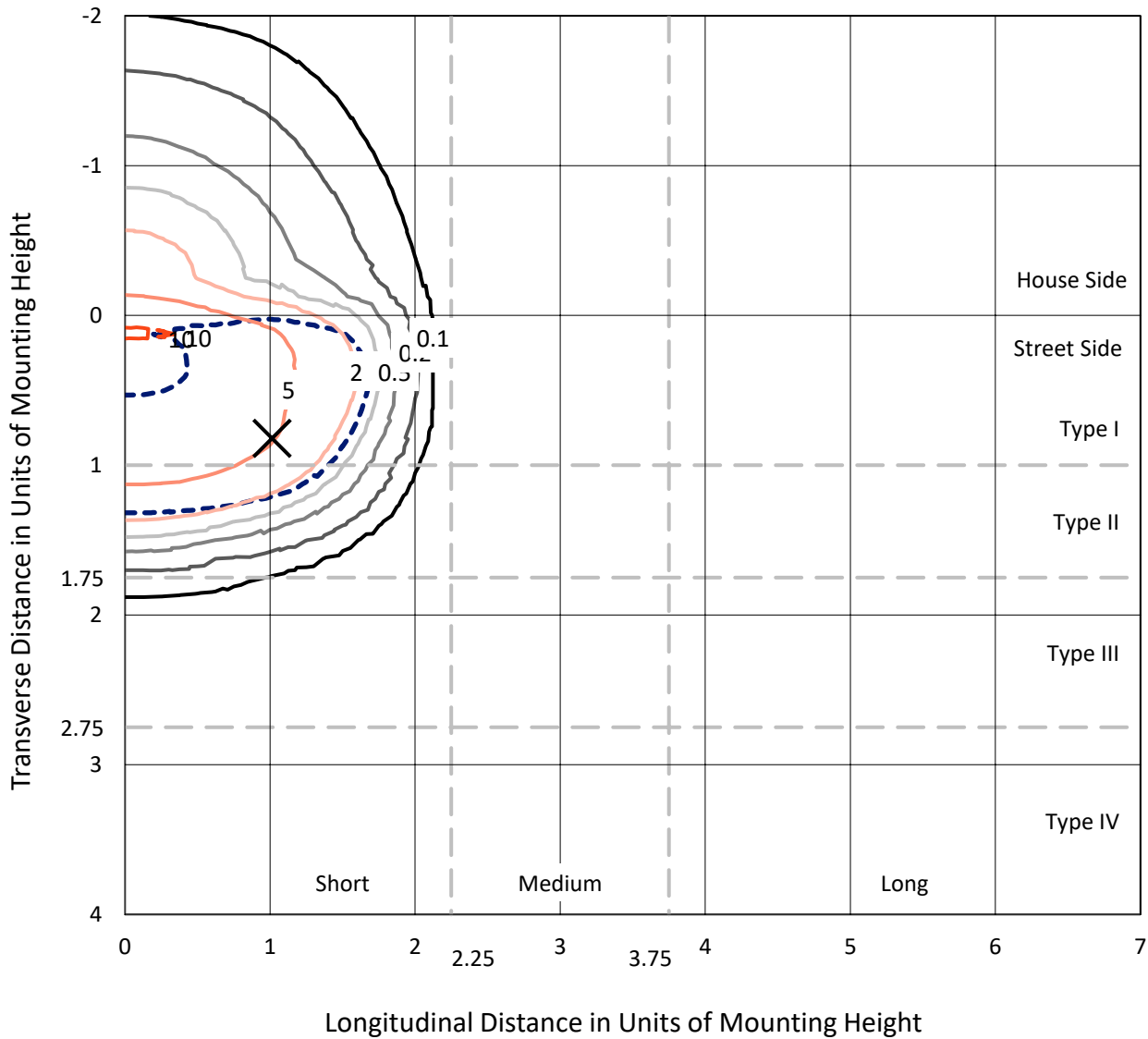
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

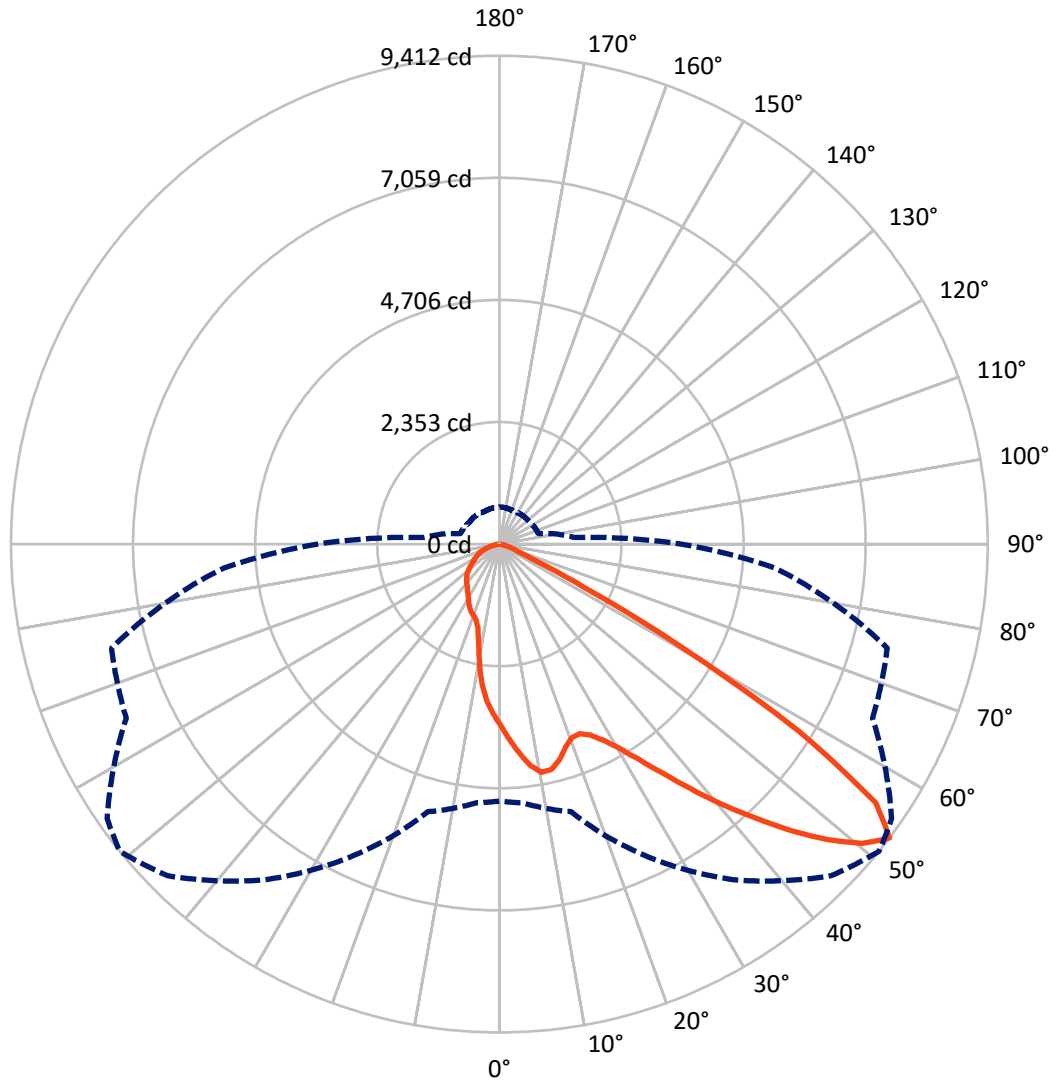
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 10.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2291.3	0.0	2291.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	9468.5	0.0	9468.5
	% Fixture	80.5	0.0	80.5
Total	Lumens	11759.8	0.0	11759.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	326.7	2.8
10°-20°	849.0	7.2
20°-30°	1380.4	11.7
30°-40°	2187.6	18.6
40°-50°	3299.4	28.1
50°-60°	2854.2	24.3
60°-70°	647.1	5.5
70°-80°	190.8	1.6
80°-90°	24.6	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°	11759.8	100.0
0°-180°	11759.8	100.0

Coefficient of Utilization



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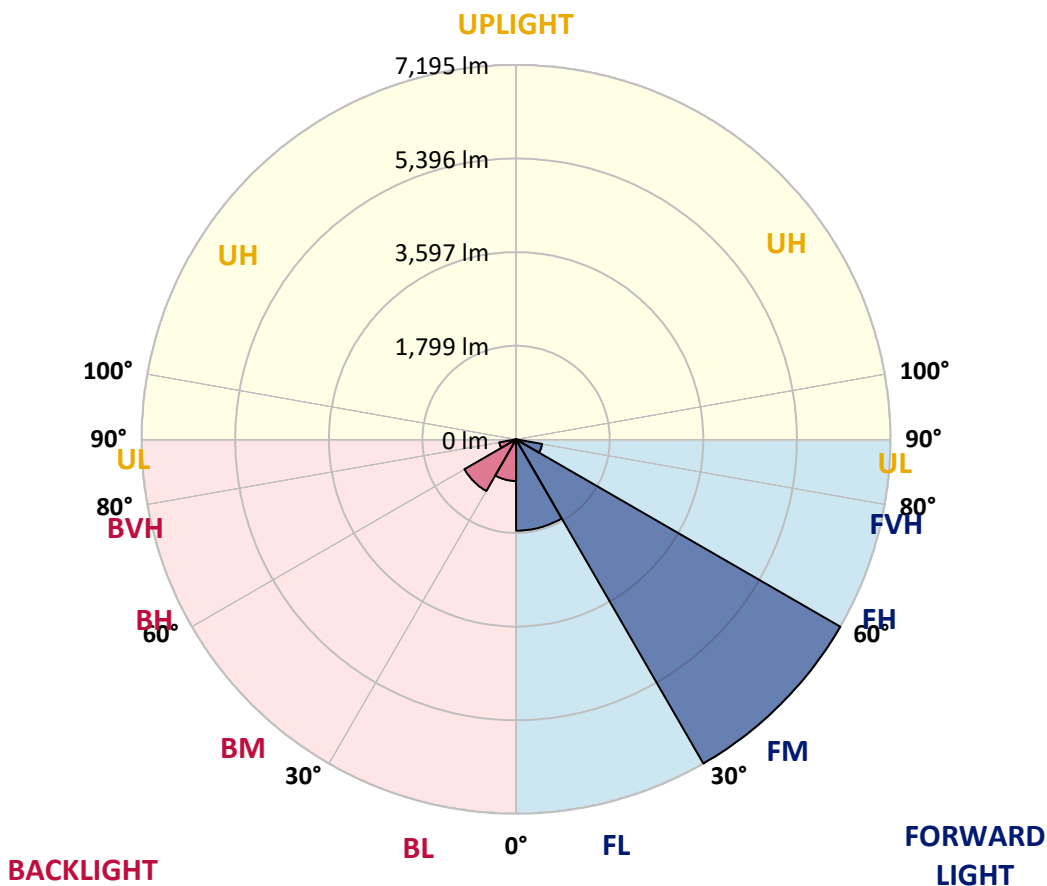
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1755.2	14.9			
FM (30°-60°)	7194.8	61.2			
FH (60°-80°)	509.2	4.3			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	800.9	6.8	B2/1000		
BM (30°-60°)	1146.4	9.7	B2/2500		
BH (60°-80°)	328.6	2.8	B1/500		G1/500
BVH (80°-90°)	15.3	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5
2.5°	3902.0	3924.3	3889.9	3876.9	3855.5	3818.4	3775.6	3763.5	3671.5	3611.1	3543.3
5°	4294.1	4306.2	4278.3	4250.5	4197.5	4131.5	4048.8	4031.2	3863.9	3725.4	3581.4
7.5°	4381.5	4376.8	4401.0	4416.8	4410.3	4384.3	4310.9	4276.5	4076.7	3857.4	3644.6
10°	4035.8	4009.8	4099.0	4204.9	4332.2	4479.1	4470.7	4467.9	4294.1	4034.9	3725.4
12.5°	3577.7	3564.7	3637.2	3770.0	4010.7	4336.0	4457.7	4552.5	4490.2	4204.0	3815.6
15°	3315.6	3311.0	3360.2	3455.9	3647.4	4058.1	4318.3	4506.0	4658.4	4385.2	3911.3
17.5°	3268.2	3271.0	3287.7	3342.6	3480.1	3818.4	4119.4	4381.5	4789.4	4584.1	4031.2
20°	3406.7	3425.3	3396.5	3404.8	3479.2	3731.9	3983.8	4256.0	4873.1	4783.9	4160.3
22.5°	3714.3	3707.8	3644.6	3607.4	3608.3	3784.9	3968.9	4197.5	4927.9	4978.1	4277.4
25°	4062.8	4055.3	3980.1	3897.3	3845.3	3928.9	4075.8	4259.8	4977.2	5155.6	4371.3
27.5°	4474.4	4451.2	4367.6	4261.6	4146.4	4182.6	4282.1	4428.0	5053.4	5330.3	4433.5
30°	4873.1	4900.0	4780.2	4654.7	4533.0	4510.7	4568.3	4700.2	5208.5	5534.7	4507.9
32.5°	5401.8	5392.5	5259.7	5096.1	4922.3	4905.6	4951.1	5071.9	5487.3	5817.2	4621.2
35°	6042.1	6044.0	5855.3	5634.1	5387.0	5342.4	5418.6	5535.6	5902.7	6200.1	4800.6
37.5°	6707.5	6704.7	6540.2	6289.3	5952.0	5888.8	5976.1	6063.5	6422.2	6721.4	5079.4
40°	7173.9	7192.5	7115.4	6983.4	6663.8	6509.5	6586.6	6647.0	6987.2	7334.7	5446.4
42.5°	7438.8	7466.7	7483.4	7562.4	7394.2	7229.7	7201.8	7233.4	7491.8	7904.3	5791.2
45°	7495.5	7532.6	7654.4	7947.1	8012.1	7965.7	7874.6	7798.4	7868.1	8308.6	6017.0
47.5°	7245.5	7310.5	7570.7	8082.8	8462.8	8608.7	8507.4	8391.3	8085.6	8412.7	5993.8
50°	6254.9	6331.1	6917.5	7805.8	8527.0	9058.5	9067.8	8895.9	8059.5	8112.5	5702.0
52.5°	4952.1	5004.1	5339.6	6617.3	7897.8	9039.9	9411.6	9227.6	7934.1	7737.1	5336.8
55°	2959.7	3043.4	3356.5	4365.7	6152.7	8012.1	8803.9	8893.1	7872.8	7422.1	5087.7
57.5°	999.0	1039.9	1339.1	1928.2	3626.0	5866.5	6802.2	7164.7	7147.0	6940.7	4601.7
60°	475.8	485.1	545.5	731.3	1451.5	3065.7	4026.5	4444.7	4825.7	4863.8	2863.1
62.5°	362.4	368.0	398.7	438.6	583.6	1291.7	1845.5	2165.2	2312.9	1984.9	1042.6
65°	302.9	307.6	330.8	355.9	396.8	559.4	708.1	816.8	736.0	573.4	497.2
67.5°	252.8	256.5	274.1	301.1	329.0	374.5	393.1	404.2	423.7	475.8	457.2
70°	197.9	201.7	220.2	243.5	270.4	281.6	299.2	310.4	349.4	416.3	414.5
72.5°	152.4	157.0	167.3	182.1	204.4	215.6	235.1	248.1	270.4	324.3	346.6
75°	111.5	114.3	123.6	128.2	131.0	128.2	147.8	162.6	192.4	212.8	218.4
77.5°	45.5	51.1	49.3	49.3	58.5	70.6	80.8	90.1	110.6	122.7	123.6
80°	18.6	20.4	24.2	26.9	32.5	41.8	48.3	52.0	61.3	68.8	74.3
82.5°	11.2	12.1	13.9	14.9	18.6	24.2	27.9	30.7	38.1	45.5	48.3
85°	5.6	5.6	6.5	7.4	9.3	11.2	13.0	14.9	19.5	24.2	26.9
87.5°	0.9	0.9	0.9	1.9	2.8	3.7	4.6	5.6	6.5	7.4	9.3
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°	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5	3501.5
2.5°	3503.3	3453.2	3394.6	3348.2	3294.3	3254.3	3197.6	3162.3	3128.8	3101.0	3080.5
5°	3507.1	3422.5	3300.8	3193.0	3081.5	2975.5	2866.8	2778.5	2699.5	2633.5	2628.0
7.5°	3528.4	3406.7	3216.2	3027.6	2810.1	2600.1	2390.1	2219.1	2089.0	2021.2	2007.2
10°	3564.7	3404.8	3129.8	2828.7	2457.9	2119.7	1870.6	1740.5	1665.2	1638.3	1629.0
12.5°	3602.8	3400.2	3019.2	2548.1	2033.2	1736.8	1600.2	1584.4	1598.3	1600.2	1599.3
15°	3649.2	3397.4	2879.8	2219.1	1722.9	1559.3	1568.6	1602.1	1634.6	1642.0	1642.0
17.5°	3705.9	3390.9	2690.2	1897.6	1528.6	1524.9	1574.2	1618.8	1649.4	1655.0	1655.0
20°	3765.4	3374.2	2457.0	1635.5	1449.7	1503.6	1556.5	1590.9	1612.3	1619.7	1620.6
22.5°	3806.3	3329.6	2188.4	1441.3	1400.4	1462.7	1500.8	1536.1	1536.1	1517.5	1511.9
25°	3814.6	3233.9	1897.6	1308.4	1341.9	1399.5	1438.5	1418.1	1380.0	1365.1	1364.2
27.5°	3784.0	3094.5	1610.4	1213.6	1271.2	1328.9	1322.3	1292.6	1275.9	1261.0	1266.6
30°	3746.8	2927.2	1361.4	1135.6	1189.5	1246.1	1223.8	1213.6	1201.5	1184.8	1188.5
32.5°	3721.7	2740.4	1169.9	1075.2	1134.6	1143.9	1159.7	1158.8	1147.6	1116.1	1114.2
35°	3729.1	2551.8	1041.7	1025.9	1089.1	1085.4	1115.1	1109.5	1032.4	988.7	986.0
37.5°	3788.6	2370.6	966.4	986.9	1016.6	1039.9	1065.9	999.0	972.0	944.1	946.0
40°	3902.0	2202.4	925.6	965.5	972.9	1007.3	946.9	946.0	933.9	908.8	907.9
42.5°	4030.2	2060.2	897.7	955.3	945.1	951.6	887.5	894.9	894.0	878.2	873.5
45°	4108.3	1929.2	875.4	917.2	920.0	854.9	835.4	843.8	848.4	840.1	839.1
47.5°	4027.4	1778.6	852.1	858.6	882.8	811.3	787.1	788.0	796.4	797.3	793.6
50°	3800.7	1610.4	824.3	808.5	792.7	765.7	743.4	738.8	747.1	755.5	758.3
52.5°	3508.0	1449.7	777.8	753.6	716.5	716.5	706.2	691.4	702.5	713.7	717.4
55°	3293.3	1330.7	711.8	684.9	644.0	657.9	656.1	643.1	657.9	666.3	669.1
57.5°	2853.8	1069.6	626.3	618.0	583.6	600.3	604.0	587.3	579.9	581.7	584.5
60°	1694.1	690.4	565.0	564.1	533.4	552.9	564.1	547.3	525.0	527.8	531.5
62.5°	760.1	527.8	487.9	484.1	483.2	508.3	520.4	504.6	473.0	475.8	479.5
65°	478.6	456.3	423.7	423.7	438.6	460.0	469.3	456.3	420.0	415.4	419.1
67.5°	444.2	424.7	391.2	384.7	392.2	409.8	410.7	385.6	364.3	360.6	360.6
70°	398.7	383.8	351.3	338.3	335.5	334.5	331.7	325.2	311.3	307.6	309.4
72.5°	329.9	319.7	299.2	285.3	277.9	276.9	265.8	260.2	248.1	246.3	245.3
75°	218.4	221.2	221.2	219.3	212.8	210.0	197.9	192.4	178.4	172.8	171.9
77.5°	129.2	132.0	135.7	136.6	135.7	135.7	124.5	118.0	104.1	96.6	94.8
80°	79.0	80.8	82.7	85.5	81.8	79.0	68.8	62.3	55.8	51.1	50.2
82.5°	51.1	53.0	53.9	55.8	53.9	50.2	41.8	38.1	33.5	29.7	28.8
85°	28.8	29.7	31.6	31.6	28.8	26.0	21.4	18.6	15.8	13.9	13.9
87.5°	10.2	10.2	10.2	11.2	9.3	8.4	5.6	3.7	2.8	2.8	2.8
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)