

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: P635383

Luminaire Tested: GWS-SA3D-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635383
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-760-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) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16107.1 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

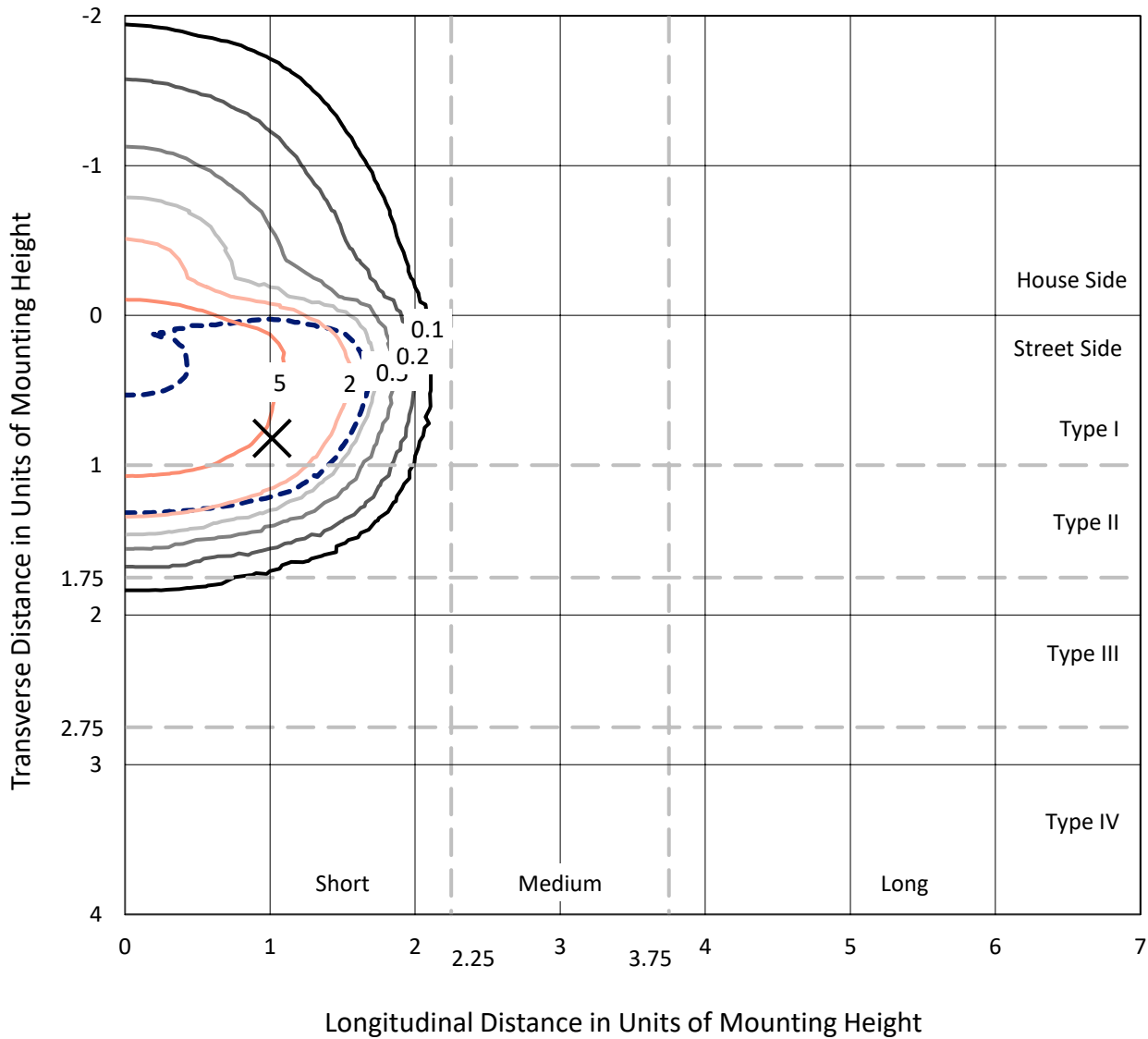
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

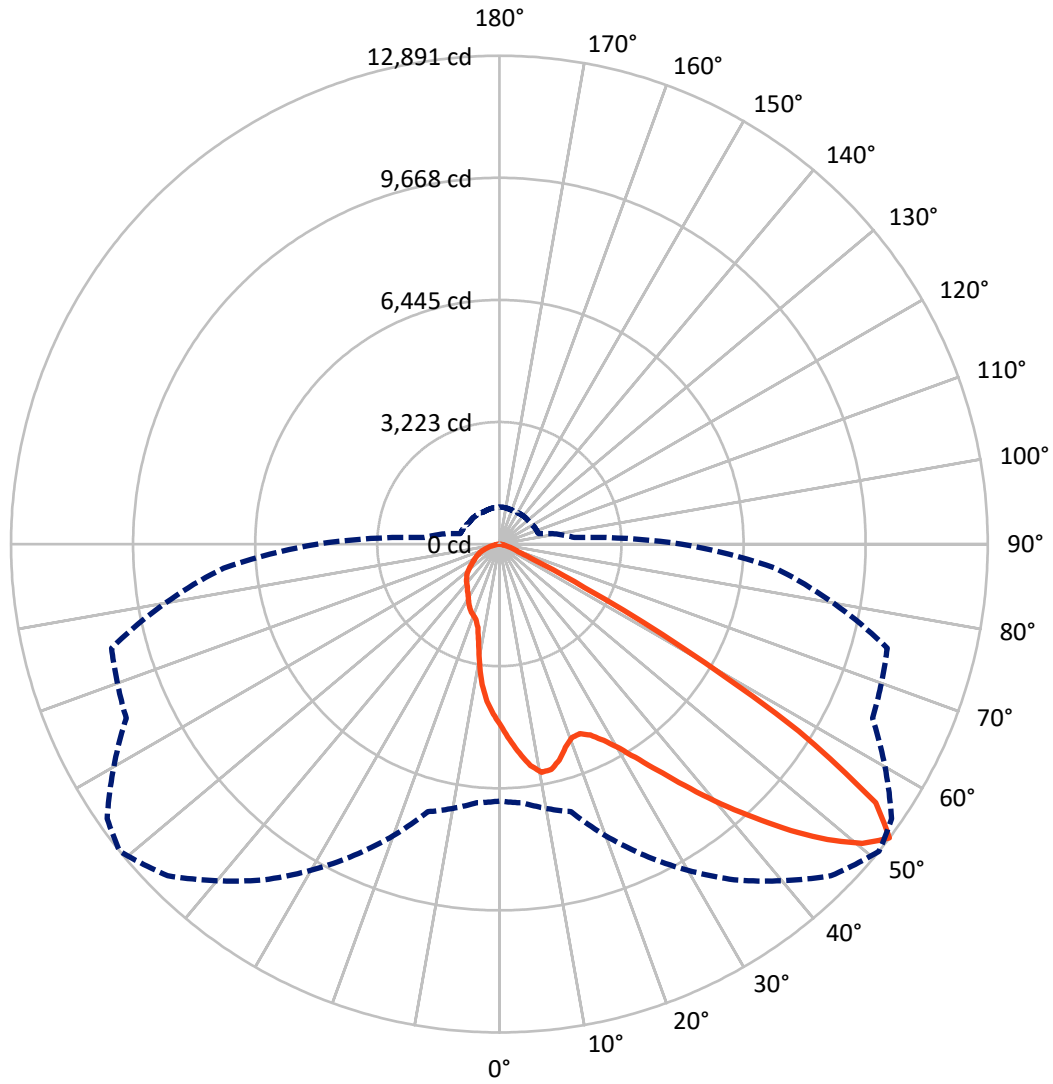
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	3138.3	0.0	3138.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	12968.8	0.0	12968.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	16107.1	0.0	16107.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	447.5	2.8
10°-20°	1162.8	7.2
20°-30°	1890.7	11.7
30°-40°	2996.3	18.6
40°-50°	4519.1	28.1
50°-60°	3909.4	24.3
60°-70°	886.3	5.5
70°-80°	261.3	1.6
80°-90°	33.7	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°	16107.1	100.0
0°-180°	16107.1	100.0

Coefficient of Utilization



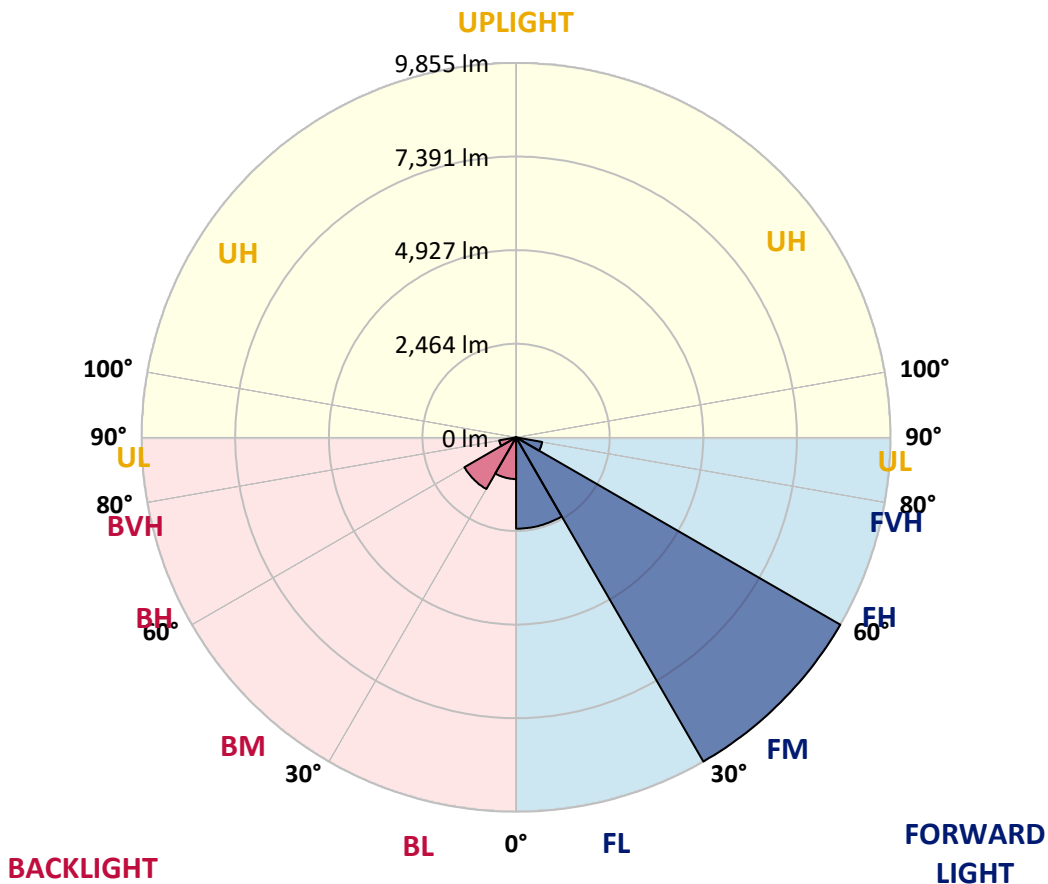
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2404.0	14.9			
FM (30°-60°)	9854.6	61.2			
FH (60°-80°)	697.5	4.3			G1/1800
FVH (80°-90°)	12.7	0.1			G1/100
BL (0°-30°)	1097.0	6.8	B3/2500		
BM (30°-60°)	1570.2	9.7	B2/2500		
BH (60°-80°)	450.1	2.8	B1/500		G1/500
BVH (80°-90°)	21.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9
2.5°	5344.5	5375.0	5327.9	5310.1	5280.8	5229.9	5171.4	5154.8	5028.8	4946.1	4853.2
5°	5881.6	5898.1	5859.9	5821.8	5749.2	5658.8	5545.6	5521.4	5292.3	5102.6	4905.3
7.5°	6001.2	5994.9	6028.0	6049.6	6040.7	6005.0	5904.5	5857.4	5583.7	5283.4	4991.9
10°	5527.7	5492.1	5614.3	5759.4	5933.8	6134.9	6123.4	6119.6	5881.6	5526.5	5102.6
12.5°	4900.3	4882.4	4981.7	5163.7	5493.4	5938.9	6105.6	6235.4	6150.1	5758.1	5226.1
15°	4541.3	4535.0	4602.4	4733.5	4995.7	5558.3	5914.7	6171.8	6380.5	6006.3	5357.2
17.5°	4476.4	4480.2	4503.1	4578.2	4766.6	5229.9	5642.3	6001.2	6560.0	6278.7	5521.4
20°	4666.1	4691.5	4652.1	4663.5	4765.3	5111.5	5456.5	5829.4	6674.5	6552.3	5698.3
22.5°	5087.4	5078.4	4991.9	4941.0	4942.3	5184.1	5436.1	5749.2	6749.6	6818.4	5858.7
25°	5564.7	5554.5	5451.4	5338.1	5266.8	5381.4	5582.5	5834.5	6817.1	7061.5	5987.2
27.5°	6128.5	6096.7	5982.1	5837.0	5679.2	5728.8	5865.0	6064.9	6921.5	7300.7	6072.5
30°	6674.5	6711.4	6547.3	6375.4	6208.7	6178.1	6257.1	6437.8	7134.0	7580.8	6174.3
32.5°	7398.8	7386.0	7204.0	6980.0	6742.0	6719.1	6781.4	6946.9	7515.8	7967.7	6329.6
35°	8275.7	8278.3	8019.9	7716.9	7378.4	7317.3	7421.7	7582.0	8084.8	8492.1	6575.3
37.5°	9187.0	9183.2	8957.9	8614.3	8152.2	8065.7	8185.3	8305.0	8796.3	9206.1	6957.1
40°	9826.0	9851.4	9745.8	9565.0	9127.2	8915.9	9021.6	9104.3	9570.1	10046.2	7459.8
42.5°	10188.7	10226.9	10249.8	10358.0	10127.6	9902.3	9864.2	9907.4	10261.3	10826.4	7932.1
45°	10266.4	10317.3	10484.0	10884.9	10974.0	10910.4	10785.7	10681.3	10776.7	11380.0	8241.3
47.5°	9924.0	10013.1	10369.5	11070.8	11591.3	11791.2	11652.4	11493.3	11074.6	11522.6	8209.5
50°	8567.2	8671.5	9474.7	10691.5	11679.2	12407.2	12419.9	12184.5	11038.9	11111.5	7809.9
52.5°	6782.7	6854.0	7313.5	9063.6	10817.5	12381.7	12890.9	12638.8	10867.1	10597.3	7309.7
55°	4053.8	4168.4	4597.3	5979.6	8427.2	10974.0	12058.4	12180.6	10783.1	10165.8	6968.5
57.5°	1368.3	1424.3	1834.1	2641.0	4966.4	8035.1	9316.9	9813.2	9789.1	9506.5	6302.9
60°	651.7	664.4	747.1	1001.7	1988.1	4198.9	5515.0	6087.8	6609.6	6661.8	3921.5
62.5°	496.4	504.0	546.0	600.8	799.3	1769.2	2527.8	2965.6	3168.0	2718.7	1428.1
65°	414.9	421.3	453.1	487.5	543.5	766.2	969.9	1118.8	1008.1	785.3	680.9
67.5°	346.2	351.3	375.5	412.4	450.6	512.9	538.4	553.7	580.4	651.7	626.2
70°	271.1	276.2	301.7	333.5	370.4	385.7	409.8	425.1	478.6	570.2	567.7
72.5°	208.7	215.1	229.1	249.5	280.0	295.3	322.0	339.8	370.4	444.2	474.8
75°	152.7	156.6	169.3	175.6	179.5	175.6	202.4	222.7	263.5	291.5	299.1
77.5°	62.4	70.0	67.5	67.5	80.2	96.7	110.7	123.5	151.5	168.0	169.3
80°	25.5	28.0	33.1	36.9	44.5	57.3	66.2	71.3	84.0	94.2	101.8
82.5°	15.3	16.5	19.1	20.4	25.5	33.1	38.2	42.0	52.2	62.4	66.2
85°	7.6	7.6	8.9	10.2	12.7	15.3	17.8	20.4	26.7	33.1	36.9
87.5°	1.3	1.3	1.3	2.5	3.8	5.1	6.4	7.6	8.9	10.2	12.7
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°	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9	4795.9
2.5°	4798.4	4729.7	4649.5	4585.9	4512.1	4457.3	4379.7	4331.3	4285.5	4247.3	4219.3
5°	4803.5	4687.7	4521.0	4373.3	4220.6	4075.5	3926.6	3805.7	3697.5	3607.1	3599.5
7.5°	4832.8	4666.1	4405.1	4146.8	3848.9	3561.3	3273.6	3039.4	2861.2	2768.3	2749.2
10°	4882.4	4663.5	4286.8	3874.4	3366.5	2903.2	2562.1	2383.9	2280.8	2243.9	2231.2
12.5°	4934.6	4657.2	4135.3	3490.0	2784.9	2378.9	2191.8	2170.1	2189.2	2191.8	2190.5
15°	4998.3	4653.3	3944.4	3039.4	2359.8	2135.7	2148.5	2194.3	2238.8	2249.0	2249.0
17.5°	5075.9	4644.4	3684.7	2599.0	2093.7	2088.7	2156.1	2217.2	2259.2	2266.8	2266.8
20°	5157.4	4621.5	3365.3	2240.1	1985.6	2059.4	2131.9	2179.0	2208.3	2218.5	2219.8
22.5°	5213.4	4560.4	2997.4	1974.1	1918.1	2003.4	2055.6	2103.9	2103.9	2078.5	2070.8
25°	5224.8	4429.3	2599.0	1792.1	1837.9	1916.8	1970.3	1942.3	1890.1	1869.7	1868.5
27.5°	5182.8	4238.4	2205.8	1662.3	1741.2	1820.1	1811.2	1770.5	1747.5	1727.2	1734.8
30°	5131.9	4009.3	1864.6	1555.4	1629.2	1706.8	1676.3	1662.3	1645.7	1622.8	1627.9
32.5°	5097.5	3753.5	1602.4	1472.6	1554.1	1566.8	1588.4	1587.2	1571.9	1528.6	1526.1
35°	5107.7	3495.1	1426.8	1405.2	1491.7	1486.6	1527.4	1519.7	1414.1	1354.3	1350.4
37.5°	5189.2	3246.9	1323.7	1351.7	1392.4	1424.3	1459.9	1368.3	1331.3	1293.2	1295.7
40°	5344.5	3016.5	1267.7	1322.4	1332.6	1379.7	1297.0	1295.7	1279.2	1244.8	1243.5
42.5°	5520.1	2821.8	1229.5	1308.4	1294.4	1303.3	1215.5	1225.7	1224.4	1202.8	1196.4
45°	5627.0	2642.3	1199.0	1256.2	1260.1	1171.0	1144.2	1155.7	1162.1	1150.6	1149.3
47.5°	5516.3	2436.1	1167.2	1176.1	1209.2	1111.1	1078.1	1079.3	1090.8	1092.1	1087.0
50°	5205.7	2205.8	1129.0	1107.3	1085.7	1048.8	1018.2	1011.9	1023.3	1034.8	1038.6
52.5°	4804.8	1985.6	1065.3	1032.2	981.3	981.3	967.3	947.0	962.2	977.5	982.6
55°	4510.8	1822.6	975.0	938.0	882.0	901.1	898.6	880.8	901.1	912.6	916.4
57.5°	3908.7	1465.0	857.9	846.4	799.3	822.2	827.3	804.4	794.2	796.8	800.6
60°	2320.3	945.7	773.9	772.6	730.6	757.3	772.6	749.7	719.1	722.9	728.0
62.5°	1041.1	722.9	668.2	663.1	661.9	696.2	712.8	691.1	647.9	651.7	656.8
65°	655.5	624.9	580.4	580.4	600.8	630.0	642.8	624.9	575.3	568.9	574.0
67.5°	608.4	581.7	535.8	526.9	537.1	561.3	562.6	528.2	498.9	493.8	493.8
70°	546.0	525.7	481.1	463.3	459.5	458.2	454.4	445.5	426.4	421.3	423.8
72.5°	451.8	437.8	409.8	390.7	380.6	379.3	364.0	356.4	339.8	337.3	336.0
75°	299.1	302.9	302.9	300.4	291.5	287.7	271.1	263.5	244.4	236.7	235.5
77.5°	176.9	180.7	185.8	187.1	185.8	185.8	170.6	161.6	142.6	132.4	129.8
80°	108.2	110.7	113.3	117.1	112.0	108.2	94.2	85.3	76.4	70.0	68.7
82.5°	70.0	72.5	73.8	76.4	73.8	68.7	57.3	52.2	45.8	40.7	39.5
85°	39.5	40.7	43.3	43.3	39.5	35.6	29.3	25.5	21.6	19.1	19.1
87.5°	14.0	14.0	14.0	15.3	12.7	11.5	7.6	5.1	3.8	3.8	3.8
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)