

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: P635825

Luminaire Tested: GWS-SA3E-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635825
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-45)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22907.5 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

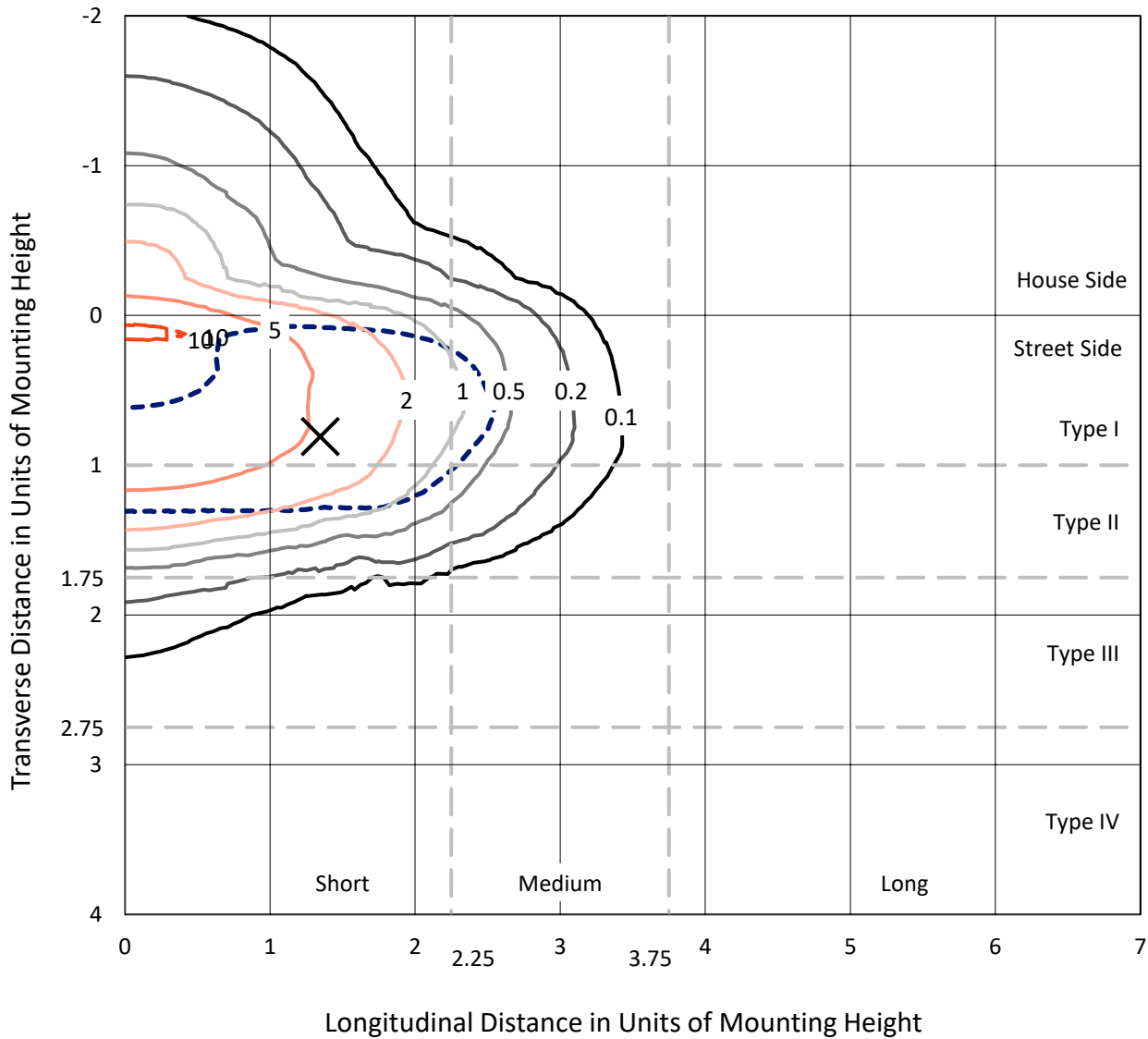
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

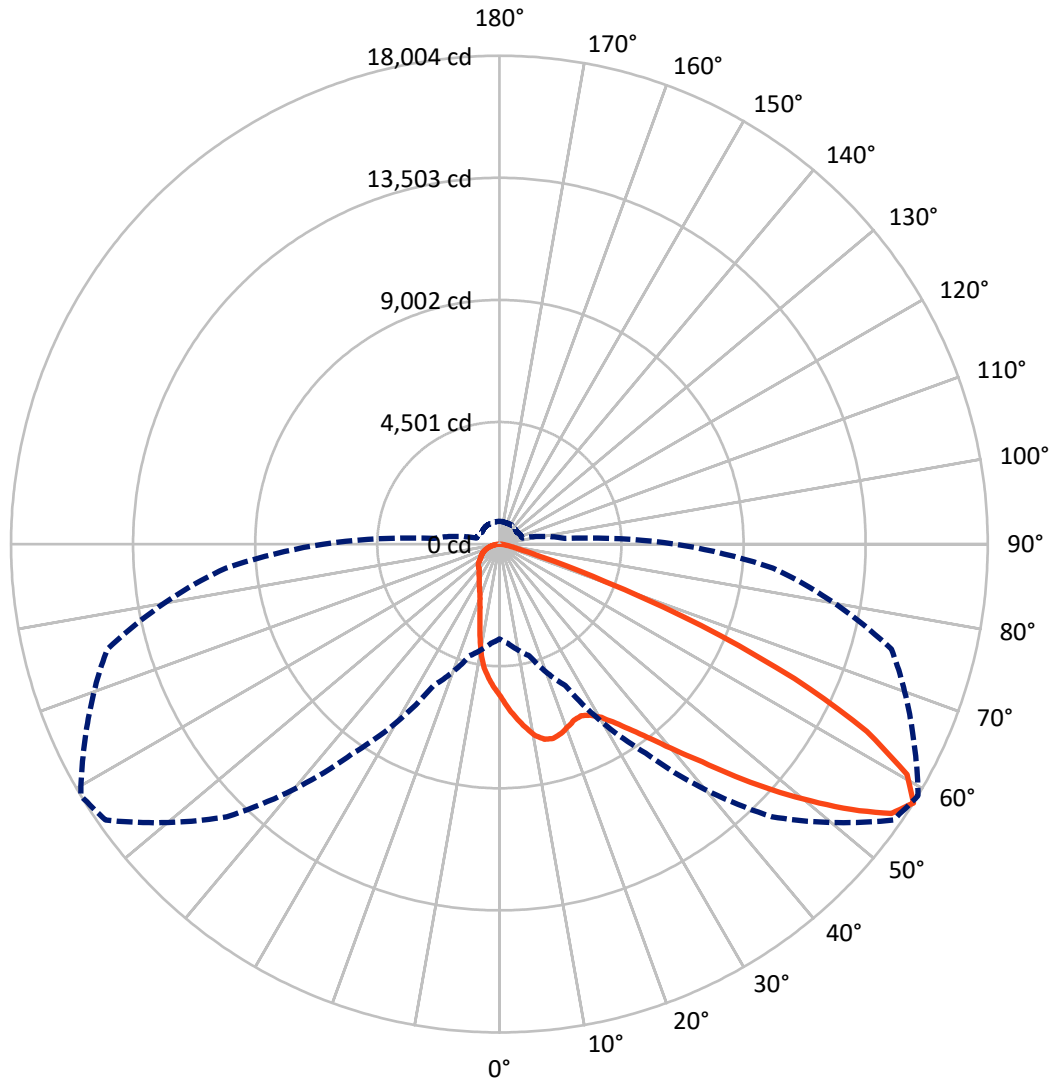
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type II - Short - N/A

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CATALOG NUMBER: GWS-SA3E-750-U-AFL-W

Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3555.1	0.0	3555.1
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	19352.4	0.0	19352.4
	% Fixture	84.5	0.0	84.5
Total	Lumens	22907.5	0.0	22907.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	522.1	2.3
10°-20°	1323.1	5.8
20°-30°	2144.7	9.4
30°-40°	3450.1	15.1
40°-50°	5357.7	23.4
50°-60°	5771.0	25.2
60°-70°	3349.2	14.6
70°-80°	874.3	3.8
80°-90°	115.2	0.5
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°	22907.5	100.0
0°-180°	22907.5	100.0

Coefficient of Utilization



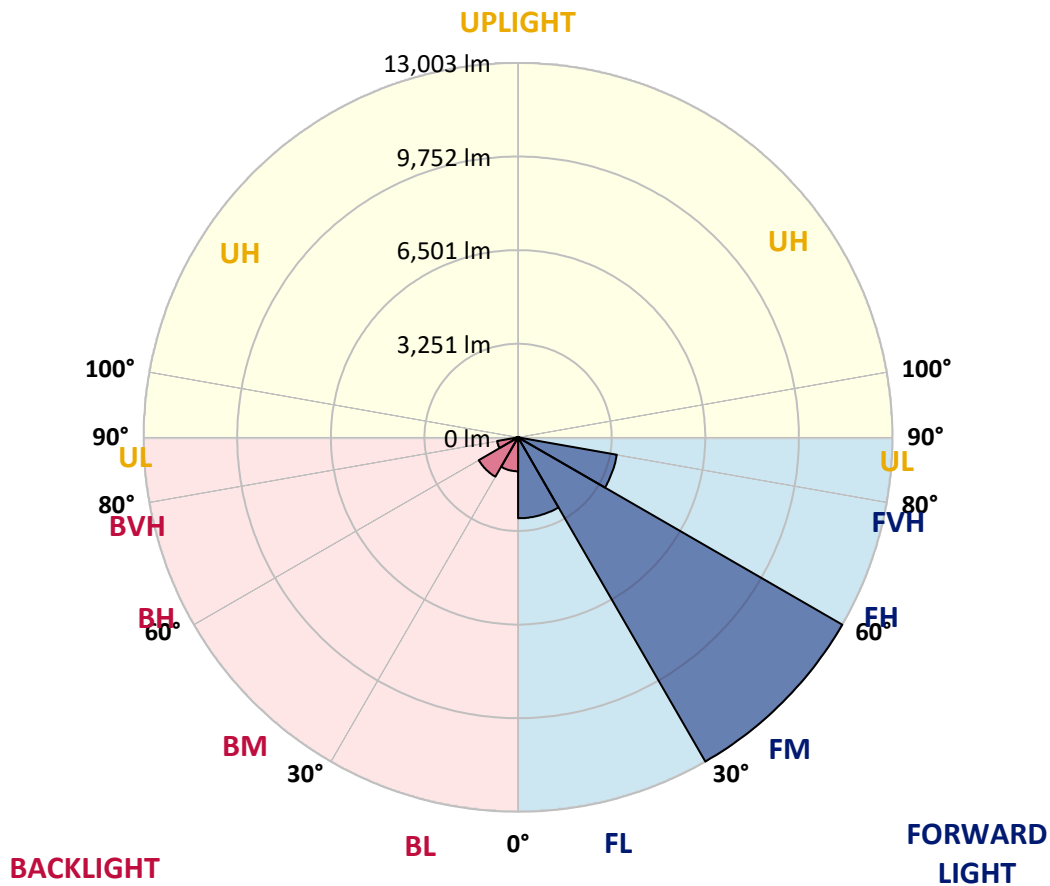
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2810.5	12.3			
FM (30°-60°)	13002.6	56.8			
FH (60°-80°)	3484.1	15.2			G2/5000
FVH (80°-90°)	55.1	0.2			G1/100
BL (0°-30°)	1179.4	5.1	B3/2500		
BM (30°-60°)	1576.2	6.9	B2/2500		
BH (60°-80°)	739.4	3.2	B2/1000		G2/1000
BVH (80°-90°)	60.0	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3
2.5°	6378.1	6324.8	6361.9	6295.8	6268.4	6195.8	6102.3	6039.4	5942.6	5816.9	5707.2
5°	7011.8	6974.7	6982.8	6911.8	6849.0	6728.0	6536.1	6429.7	6265.2	6012.0	5776.5
7.5°	6992.5	7036.0	7060.2	7121.5	7139.2	7127.9	6955.4	6807.0	6626.4	6245.8	5891.0
10°	6268.4	6350.6	6424.8	6634.5	6889.3	7211.8	7252.1	7163.4	6981.2	6544.2	6028.1
12.5°	5479.8	5542.7	5608.8	5860.4	6250.7	6895.7	7332.7	7387.6	7315.0	6839.3	6182.9
15°	5092.8	5121.8	5184.7	5350.8	5662.0	6378.1	7192.4	7432.7	7563.4	7152.1	6357.1
17.5°	5076.6	5089.5	5120.2	5208.9	5425.0	5978.1	6939.3	7342.4	7758.5	7482.7	6560.3
20°	5410.5	5376.6	5357.2	5355.6	5462.1	5844.3	6694.1	7197.3	7850.4	7821.4	6778.0
22.5°	5873.3	5884.6	5842.7	5739.4	5726.5	5939.4	6571.6	7050.5	7877.8	8121.3	6979.6
25°	6529.6	6586.1	6461.9	6265.2	6168.4	6215.2	6647.4	7005.4	7874.6	8371.3	7105.4
27.5°	7295.7	7339.2	7213.4	6955.4	6755.4	6642.5	6873.1	7139.2	7902.0	8587.4	7181.2
30°	8168.1	8182.6	8010.1	7739.1	7447.2	7205.3	7248.9	7415.0	8042.3	8871.2	7269.9
32.5°	9234.1	9295.4	9034.1	8605.1	8197.1	7887.5	7753.7	7860.1	8345.5	9206.7	7406.9
35°	10587.1	10608.1	10275.8	9661.4	9084.1	8655.1	8374.5	8431.0	8806.7	9675.9	7613.4
37.5°	11862.7	11883.7	11530.5	10959.6	10133.9	9546.9	9140.5	9114.7	9396.9	10338.7	7950.4
40°	12672.3	12731.9	12573.9	12215.9	11427.3	10635.5	10083.9	9995.2	10171.0	11149.9	8419.7
42.5°	13107.7	13133.5	13130.2	13177.0	12707.7	11920.8	11148.3	10970.9	11088.6	12025.6	8893.8
45°	13110.9	13175.4	13348.0	13797.9	13818.9	13328.6	12493.2	12215.9	12107.8	12907.7	9388.9
47.5°	12523.9	12593.2	13067.4	13952.7	14605.8	14717.1	14104.3	13547.9	13093.2	13667.3	9795.3
50°	10746.7	10920.9	11824.0	13389.9	14760.6	15829.8	15641.2	14886.4	13968.8	14254.3	10050.1
52.5°	9203.4	9197.0	9753.3	11799.8	14114.0	16320.1	17128.0	16263.6	14834.8	14626.8	10114.6
55°	6739.3	6776.4	7345.7	9024.4	12388.4	15846.0	17945.6	17531.2	15828.2	14825.2	10088.8
57.5°	3494.6	3678.5	4262.3	5758.8	9413.1	14214.0	17727.9	18003.7	16837.7	14965.5	10122.6
60°	1765.9	1730.4	1940.0	2749.6	5454.0	11101.5	16386.2	17265.1	17020.0	15075.1	10143.6
62.5°	1178.9	1169.2	1111.1	1274.0	2228.7	6574.8	13968.8	15200.9	15754.0	14817.1	9875.9
65°	1020.8	1001.5	895.0	888.6	1082.1	2727.0	10238.8	11949.8	13020.6	13670.5	9235.7
67.5°	919.2	890.2	782.1	728.9	777.3	1198.2	5770.1	8014.9	9614.7	11561.1	7832.7
70°	820.8	806.3	698.3	620.9	616.0	730.5	2125.5	4136.5	5883.0	7887.5	5726.5
72.5°	735.4	709.6	617.6	543.5	506.4	517.7	922.4	1593.3	3044.7	4920.2	3425.3
75°	637.0	617.6	537.0	462.8	417.7	379.0	562.8	737.0	1388.5	2338.4	1617.5
77.5°	491.9	479.0	424.1	367.7	341.9	282.2	341.9	464.4	641.8	985.3	841.8
80°	285.4	293.5	316.1	287.1	251.6	201.6	222.5	267.7	385.4	533.8	477.3
82.5°	143.5	153.2	204.8	166.1	150.0	117.7	132.2	158.0	201.6	295.1	187.1
85°	11.3	11.3	37.1	41.9	51.6	41.9	53.2	64.5	91.9	117.7	62.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.8	8.1	14.5	27.4	17.7
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°	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3	5623.3
2.5°	5633.0	5550.8	5452.4	5371.8	5247.6	5181.5	5097.6	4994.4	4952.5	4933.1	4921.8
5°	5644.3	5499.2	5289.5	5096.0	4881.5	4712.2	4523.5	4326.8	4213.9	4186.5	4167.1
7.5°	5686.2	5483.0	5149.2	4829.9	4431.6	4062.3	3702.7	3346.3	3164.0	3094.7	3088.2
10°	5744.3	5476.6	5007.3	4476.7	3804.3	3220.5	2799.6	2520.6	2402.9	2364.2	2351.3
12.5°	5816.9	5471.7	4820.2	3986.5	3080.2	2528.6	2288.4	2243.2	2259.3	2256.1	2256.1
15°	5908.8	5478.2	4594.5	3431.7	2491.6	2194.8	2199.7	2252.9	2302.9	2310.9	2310.9
17.5°	6008.8	5471.7	4267.1	2875.4	2138.4	2115.8	2190.0	2264.2	2309.3	2315.8	2315.8
20°	6116.8	5441.1	3854.2	2351.3	1983.6	2065.8	2146.4	2204.5	2231.9	2238.4	2238.4
22.5°	6181.3	5354.0	3405.9	1990.0	1885.2	1986.8	2040.0	2099.7	2102.9	2051.3	2049.7
25°	6171.6	5191.1	2894.7	1757.8	1780.4	1869.1	1936.8	1894.9	1843.3	1814.2	1809.4
27.5°	6110.4	4946.0	2373.8	1582.0	1656.2	1756.2	1735.2	1699.7	1686.8	1654.6	1651.4
30°	6032.9	4644.5	1906.2	1444.9	1527.2	1619.1	1586.9	1583.6	1570.7	1535.2	1535.2
32.5°	5958.8	4333.2	1553.0	1343.3	1444.9	1451.4	1496.5	1499.8	1493.3	1432.0	1425.6
35°	5937.8	4022.0	1314.3	1262.7	1364.3	1361.1	1425.6	1424.0	1312.7	1227.2	1225.6
37.5°	6000.7	3705.9	1172.4	1196.6	1253.0	1295.0	1346.6	1253.0	1215.9	1164.3	1161.1
40°	6134.5	3414.0	1099.8	1157.9	1182.1	1243.4	1162.7	1169.2	1159.5	1120.8	1116.0
42.5°	6311.9	3165.6	1059.5	1145.0	1141.8	1157.9	1069.2	1095.0	1109.5	1080.5	1075.6
45°	6482.9	2949.5	1038.6	1096.6	1112.7	1019.2	1001.5	1025.6	1048.2	1036.9	1032.1
47.5°	6608.7	2762.5	1027.3	1030.5	1075.6	972.4	943.4	954.7	982.1	986.9	985.3
50°	6647.4	2602.8	1014.4	975.7	966.0	925.7	903.1	899.9	932.1	954.7	957.9
52.5°	6573.2	2460.9	980.5	927.3	880.5	887.0	878.9	862.8	895.0	925.7	928.9
55°	6463.5	2380.3	927.3	880.5	825.7	851.5	854.7	840.2	861.2	882.1	882.1
57.5°	6471.6	2427.0	875.7	837.0	777.3	811.2	828.9	822.5	822.5	838.6	840.2
60°	6524.8	2494.8	841.8	782.1	728.9	764.4	804.7	798.3	783.8	804.7	804.7
62.5°	6371.6	2404.5	819.2	728.9	677.3	719.2	767.6	764.4	748.3	782.1	785.4
65°	5920.1	2162.6	793.4	662.8	625.7	674.1	716.0	727.3	712.8	757.9	766.0
67.5°	4962.1	1819.1	743.4	599.9	574.1	619.3	659.6	675.7	664.4	717.6	724.1
70°	3699.4	1472.4	664.4	530.6	511.2	551.5	588.6	595.1	596.7	659.6	666.0
72.5°	2359.3	1145.0	559.6	453.2	438.6	469.3	496.7	522.5	533.8	593.5	591.8
75°	1315.9	851.5	449.9	383.8	358.0	382.2	414.5	445.1	477.3	564.4	574.1
77.5°	757.9	598.3	356.4	308.0	277.4	303.2	330.6	374.1	470.9	546.7	537.0
80°	427.4	388.7	269.3	225.8	206.4	225.8	246.7	329.0	370.9	403.2	408.0
82.5°	200.0	217.7	183.8	138.7	138.7	151.6	170.9	254.8	280.6	229.0	200.0
85°	72.6	98.4	90.3	71.0	62.9	61.3	106.4	145.1	90.3	80.6	69.3
87.5°	19.4	27.4	25.8	17.7	9.7	8.1	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)