

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: P641765

Luminaire Tested: GWS-SA6B-750-U-AFL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641765
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-SA6B-750-U-AFL-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22054.4 lumens
Efficiency: N/A
Efficacy: 158.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

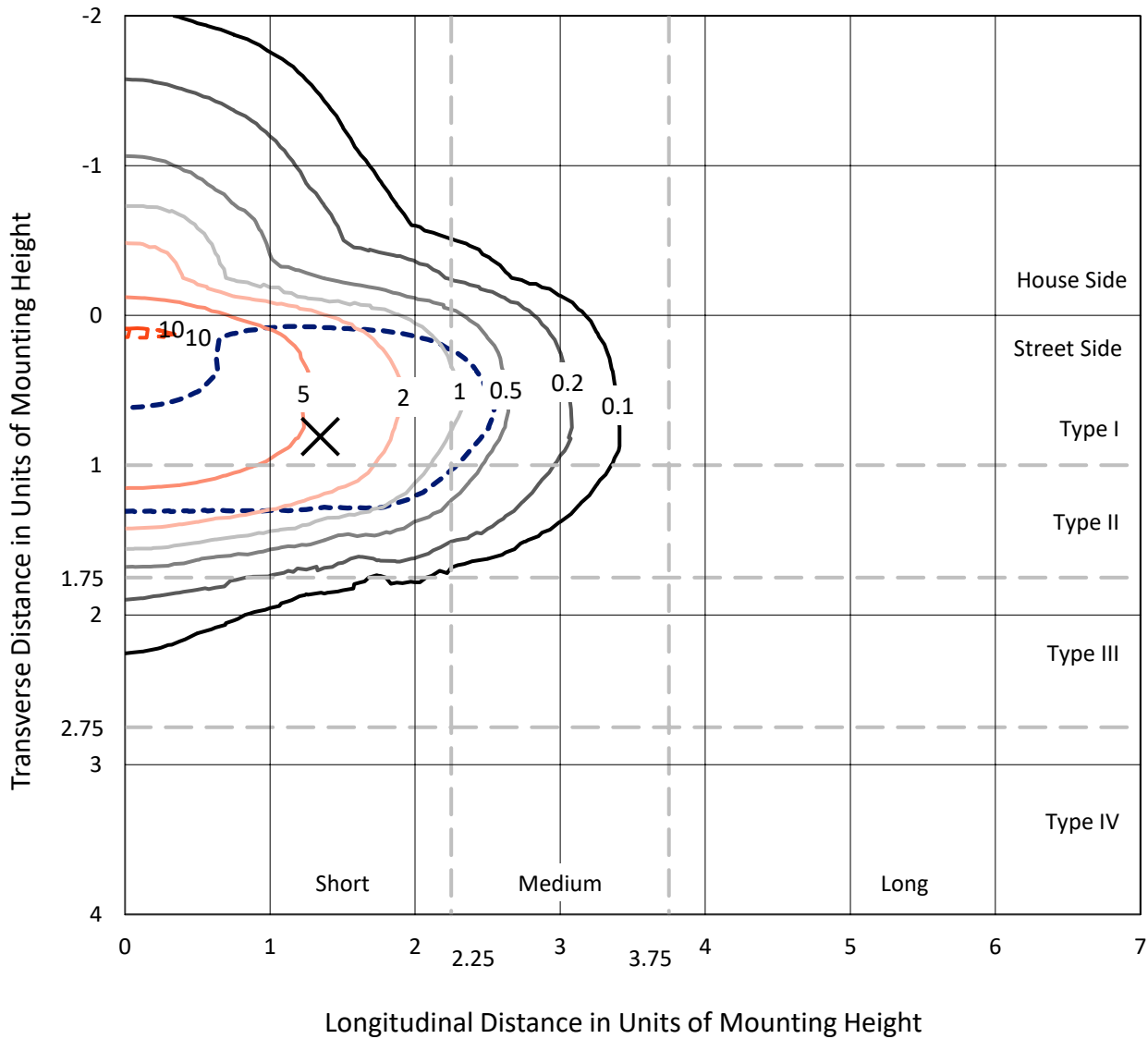
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

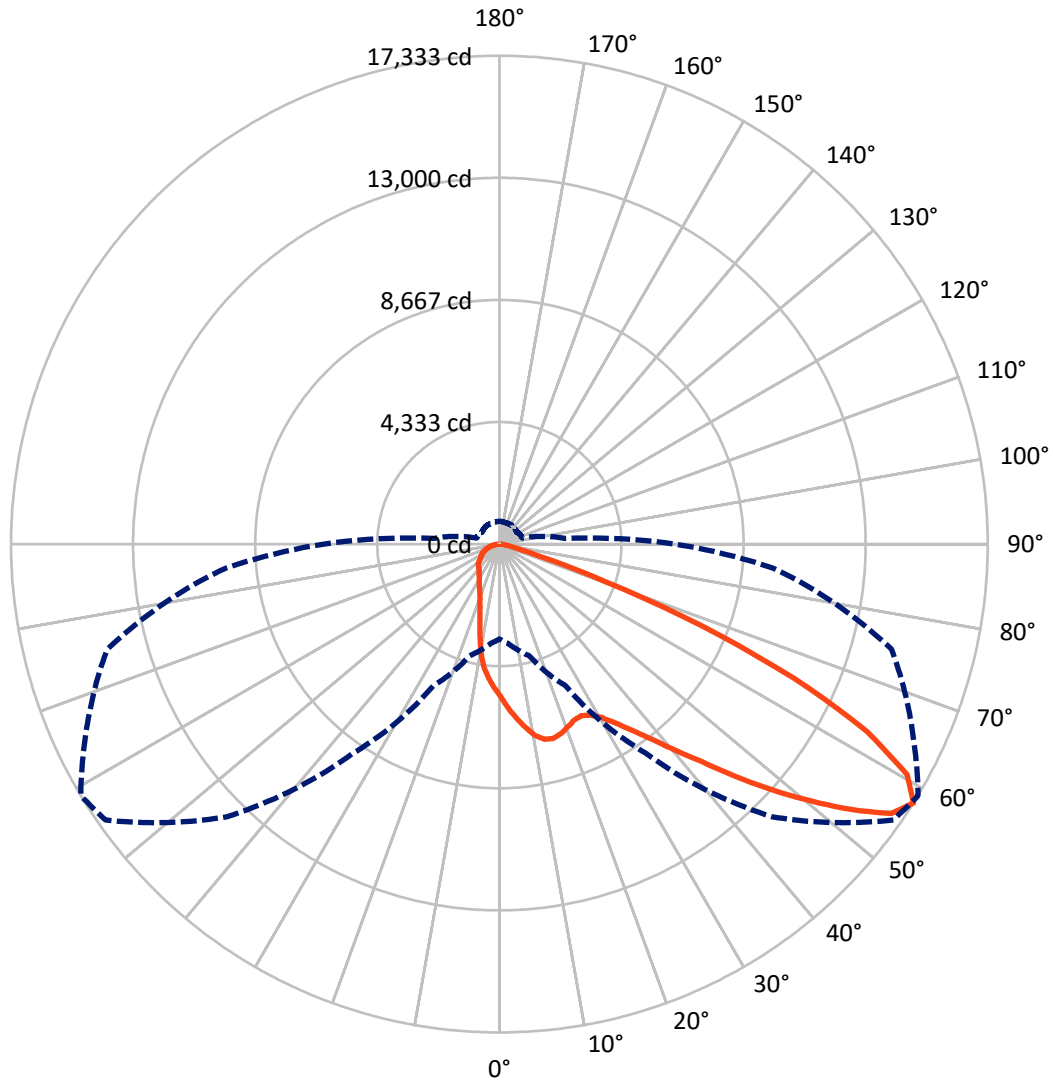
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type II - Short - N/A

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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	3422.7	0.0	3422.7
	% Fixture	15.5	0.0	15.5
Street Side	Lumens	18631.7	0.0	18631.7
	% Fixture	84.5	0.0	84.5
Total	Lumens	22054.4	0.0	22054.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.7	2.3
10°-20°	1273.8	5.8
20°-30°	2064.9	9.4
30°-40°	3321.6	15.1
40°-50°	5158.2	23.4
50°-60°	5556.0	25.2
60°-70°	3224.5	14.6
70°-80°	841.8	3.8
80°-90°	110.9	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°	22054.4	100.0
0°-180°	22054.4	100.0

Coefficient of Utilization



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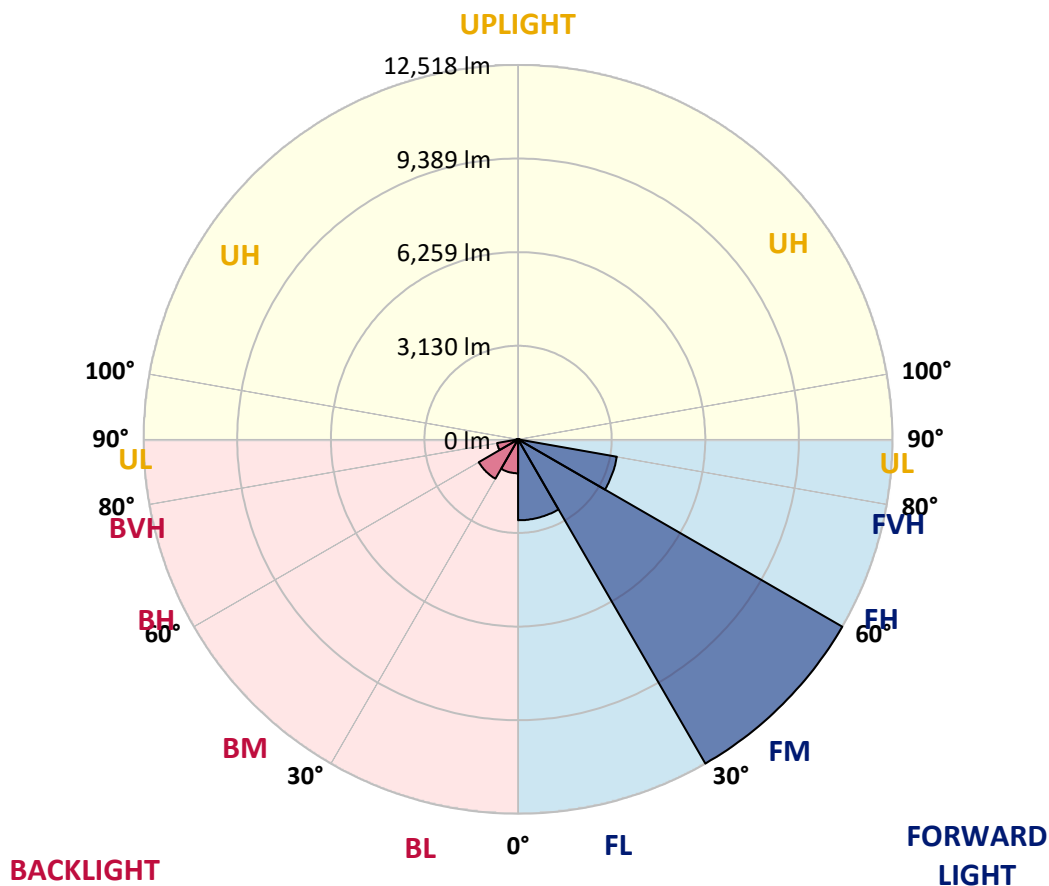
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2705.9	12.3			
FM (30°-60°)	12518.3	56.8			
FH (60°-80°)	3354.4	15.2			G2/5000
FVH (80°-90°)	53.1	0.2			G1/100
BL (0°-30°)	1135.5	5.1	B3/2500		
BM (30°-60°)	1517.5	6.9	B2/2500		
BH (60°-80°)	711.9	3.2	B2/1000		G2/1000
BVH (80°-90°)	57.8	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°	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9
2.5°	6140.5	6089.3	6125.0	6061.3	6035.0	5965.1	5875.0	5814.5	5721.3	5600.2	5494.6
5°	6750.7	6715.0	6722.8	6654.4	6593.9	6477.4	6292.7	6190.2	6031.8	5788.1	5561.4
7.5°	6732.1	6774.0	6797.3	6856.3	6873.4	6862.5	6696.4	6553.5	6379.6	6013.2	5671.6
10°	6035.0	6114.1	6185.6	6387.4	6632.7	6943.2	6982.0	6896.6	6721.2	6300.4	5803.6
12.5°	5275.7	5336.3	5399.9	5642.1	6017.9	6638.9	7059.7	7112.5	7042.6	6584.6	5952.7
15°	4903.1	4931.1	4991.6	5151.5	5451.2	6140.5	6924.6	7155.9	7281.7	6885.8	6120.3
17.5°	4887.6	4900.0	4929.5	5014.9	5222.9	5755.5	6680.8	7069.0	7469.6	7204.1	6316.0
20°	5209.0	5176.4	5157.7	5156.2	5258.7	5626.6	6444.8	6929.3	7558.1	7530.1	6525.6
22.5°	5654.6	5665.4	5625.1	5525.7	5513.3	5718.2	6326.8	6788.0	7584.4	7818.9	6719.7
25°	6286.5	6340.8	6221.3	6031.8	5938.7	5983.7	6399.8	6744.5	7581.3	8059.5	6840.8
27.5°	7024.0	7065.9	6944.8	6696.4	6503.8	6395.2	6617.2	6873.4	7607.7	8267.6	6913.7
30°	7863.9	7877.9	7711.8	7450.9	7169.9	6937.0	6978.9	7138.9	7742.8	8540.8	6999.1
32.5°	8890.2	8949.2	8697.7	8284.7	7891.9	7593.8	7464.9	7567.4	8034.7	8863.8	7131.1
35°	10192.8	10213.0	9893.2	9301.6	8745.8	8332.8	8062.6	8117.0	8478.7	9315.6	7329.8
37.5°	11420.9	11441.1	11101.1	10551.5	9756.5	9191.4	8800.1	8775.3	9047.0	9953.7	7654.3
40°	12200.3	12257.8	12105.6	11760.9	11001.7	10239.4	9708.4	9623.0	9792.2	10734.7	8106.1
42.5°	12619.5	12644.4	12641.3	12686.3	12234.5	11476.8	10733.1	10562.3	10675.7	11577.7	8562.6
45°	12622.6	12684.7	12850.9	13284.0	13304.2	12832.2	12028.0	11760.9	11656.9	12427.0	9039.2
47.5°	12057.5	12124.2	12580.7	13433.1	14061.9	14169.0	13579.0	13043.4	12605.6	13158.3	9430.5
50°	10346.5	10514.2	11383.7	12891.2	14210.9	15240.3	15058.7	14332.0	13448.6	13723.4	9675.8
52.5°	8860.7	8854.5	9390.1	11360.4	13588.4	15712.3	16490.2	15658.0	14282.4	14082.1	9737.9
55°	6488.3	6524.0	7072.1	8688.3	11927.1	15255.8	17277.3	16878.3	15238.8	14273.0	9713.1
57.5°	3364.5	3541.5	4103.5	5544.3	9062.5	13684.6	17067.7	17333.2	16210.7	14408.1	9745.7
60°	1700.1	1665.9	1867.8	2647.2	5250.9	10688.1	15776.0	16622.1	16386.1	14513.7	9765.9
62.5°	1135.0	1125.6	1069.7	1226.6	2145.7	6329.9	13448.6	14634.8	15167.3	14265.3	9508.1
65°	982.8	964.2	861.7	855.5	1041.8	2625.4	9857.5	11504.8	12535.7	13161.4	8891.7
67.5°	885.0	857.0	753.0	701.8	748.4	1153.6	5555.2	7716.4	9256.6	11130.6	7541.0
70°	790.3	776.3	672.3	597.8	593.1	703.3	2046.3	3982.4	5663.9	7593.8	5513.3
72.5°	708.0	683.1	594.6	523.2	487.5	498.4	888.1	1534.0	2931.3	4737.0	3297.7
75°	613.3	594.6	517.0	445.6	402.1	364.9	541.9	709.5	1336.8	2251.3	1557.3
77.5°	473.5	461.1	408.3	354.0	329.2	271.7	329.2	447.1	617.9	948.6	810.5
80°	274.8	282.6	304.3	276.4	242.2	194.1	214.3	257.7	371.1	513.9	459.6
82.5°	138.2	147.5	197.2	159.9	144.4	113.3	127.3	152.2	194.1	284.1	180.1
85°	10.9	10.9	35.7	40.4	49.7	40.4	51.2	62.1	88.5	113.3	60.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	4.7	7.8	14.0	26.4	17.1
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°	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9	5413.9
2.5°	5423.2	5344.0	5249.3	5171.7	5052.2	4988.5	4907.8	4808.4	4768.0	4749.4	4738.5
5°	5434.1	5294.4	5092.5	4906.2	4699.7	4536.7	4355.0	4165.6	4056.9	4030.5	4011.9
7.5°	5474.5	5278.8	4957.4	4650.0	4266.5	3911.0	3564.8	3221.6	3046.2	2979.4	2973.2
10°	5530.4	5272.6	4820.8	4310.0	3662.6	3100.5	2695.3	2426.7	2313.4	2276.1	2263.7
12.5°	5600.2	5268.0	4640.7	3838.0	2965.5	2434.5	2203.1	2159.7	2175.2	2172.1	2172.1
15°	5688.7	5274.2	4423.4	3303.9	2398.8	2113.1	2117.7	2169.0	2217.1	2224.9	2224.9
17.5°	5785.0	5268.0	4108.2	2768.3	2058.7	2037.0	2108.4	2179.8	2223.3	2229.5	2229.5
20°	5889.0	5238.5	3710.7	2263.7	1909.7	1988.9	2066.5	2122.4	2148.8	2155.0	2155.0
22.5°	5951.1	5154.6	3279.1	1915.9	1815.0	1912.8	1964.0	2021.5	2024.6	1974.9	1973.4
25°	5941.8	4997.8	2786.9	1692.3	1714.1	1799.5	1864.7	1824.3	1774.6	1746.7	1742.0
27.5°	5882.8	4761.8	2285.4	1523.1	1594.5	1690.8	1670.6	1636.4	1624.0	1593.0	1589.9
30°	5808.3	4471.5	1835.2	1391.1	1470.3	1558.8	1527.8	1524.7	1512.2	1478.1	1478.1
32.5°	5736.9	4171.8	1495.2	1293.3	1391.1	1397.3	1440.8	1443.9	1437.7	1378.7	1372.5
35°	5716.7	3872.2	1265.4	1215.7	1313.5	1310.4	1372.5	1370.9	1263.8	1181.5	1180.0
37.5°	5777.2	3567.9	1128.7	1152.0	1206.4	1246.7	1296.4	1206.4	1170.7	1121.0	1117.9
40°	5906.1	3286.9	1058.9	1114.8	1138.1	1197.1	1119.4	1125.6	1116.3	1079.1	1074.4
42.5°	6076.9	3047.8	1020.1	1102.3	1099.2	1114.8	1029.4	1054.2	1068.2	1040.2	1035.6
45°	6241.4	2839.7	999.9	1055.8	1071.3	981.2	964.2	987.5	1009.2	998.3	993.7
47.5°	6362.6	2659.6	989.0	992.1	1035.6	936.2	908.3	919.1	945.5	950.2	948.6
50°	6399.8	2505.9	976.6	939.3	930.0	891.2	869.5	866.4	897.4	919.1	922.2
52.5°	6328.4	2369.3	944.0	892.7	847.7	853.9	846.2	830.6	861.7	891.2	894.3
55°	6222.8	2291.6	892.7	847.7	794.9	819.8	822.9	808.9	829.1	849.3	849.3
57.5°	6230.6	2336.7	843.1	805.8	748.4	781.0	798.0	791.8	791.8	807.4	808.9
60°	6281.8	2401.9	810.5	753.0	701.8	735.9	774.7	768.5	754.6	774.7	774.7
62.5°	6134.3	2314.9	788.7	701.8	652.1	692.5	739.0	735.9	720.4	753.0	756.1
65°	5699.6	2082.0	763.9	638.1	602.4	649.0	689.4	700.2	686.2	729.7	737.5
67.5°	4777.3	1751.3	715.7	577.6	552.7	596.2	635.0	650.5	639.7	690.9	697.1
70°	3561.7	1417.5	639.7	510.8	492.2	531.0	566.7	572.9	574.5	635.0	641.2
72.5°	2271.5	1102.3	538.8	436.3	422.3	451.8	478.2	503.0	513.9	571.4	569.8
75°	1266.9	819.8	433.2	369.5	344.7	368.0	399.0	428.5	459.6	543.4	552.7
77.5°	729.7	576.0	343.1	296.5	267.0	291.9	318.3	360.2	453.4	526.3	517.0
80°	411.4	374.2	259.3	217.4	198.7	217.4	237.5	316.7	357.1	388.1	392.8
82.5°	192.5	209.6	177.0	133.5	133.5	145.9	164.6	245.3	270.2	220.5	192.5
85°	69.9	94.7	86.9	68.3	60.6	59.0	102.5	139.7	86.9	77.6	66.8
87.5°	18.6	26.4	24.8	17.1	9.3	7.8	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)