

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: P635328

Luminaire Tested: GWS-SA3D-750-U-AFL-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635328  
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-750-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) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

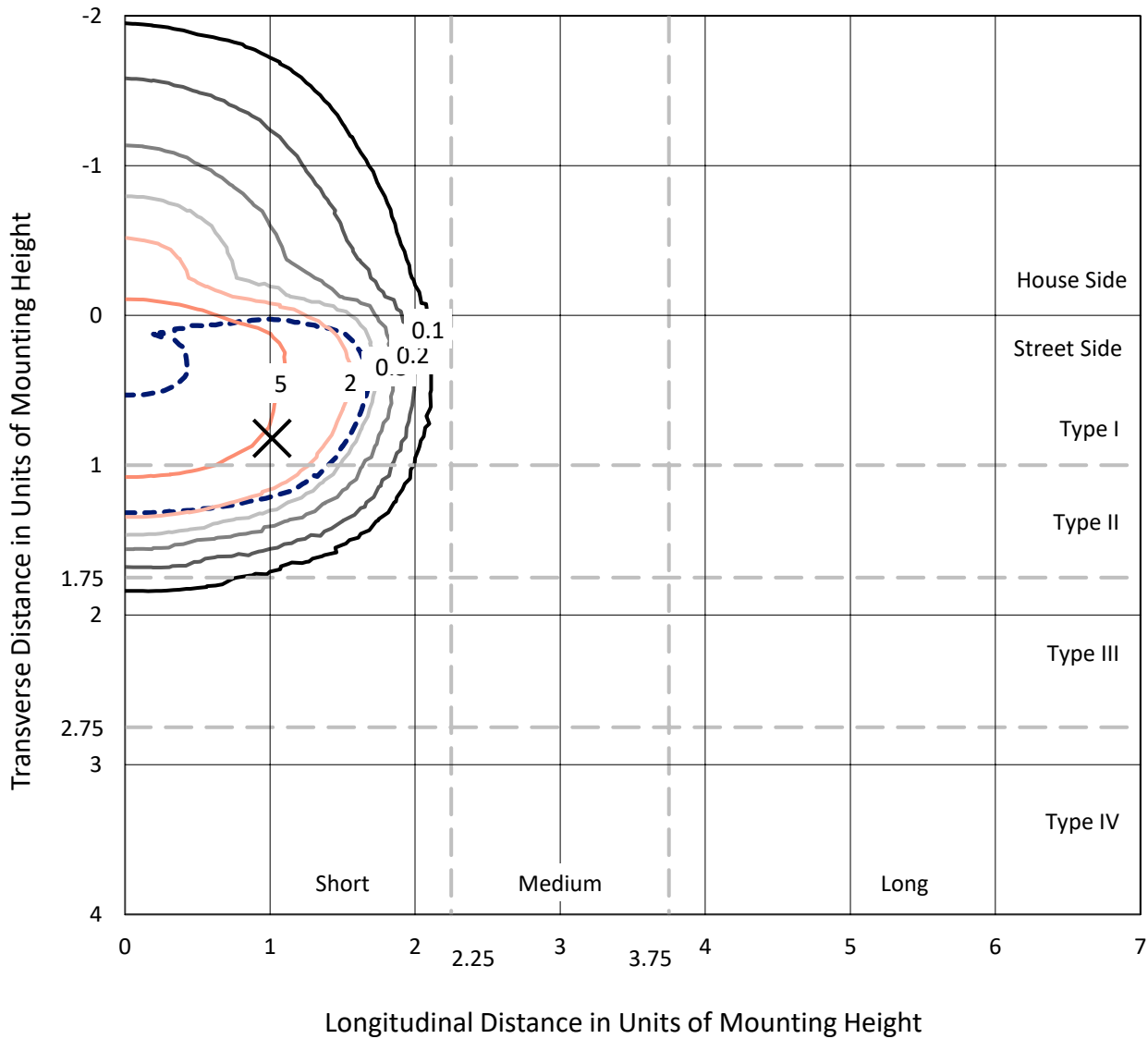
Lumens per Lamp: N/A  
Luminaire Lumens: 16330.9 lumens  
Efficiency: N/A  
Efficacy: 135.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

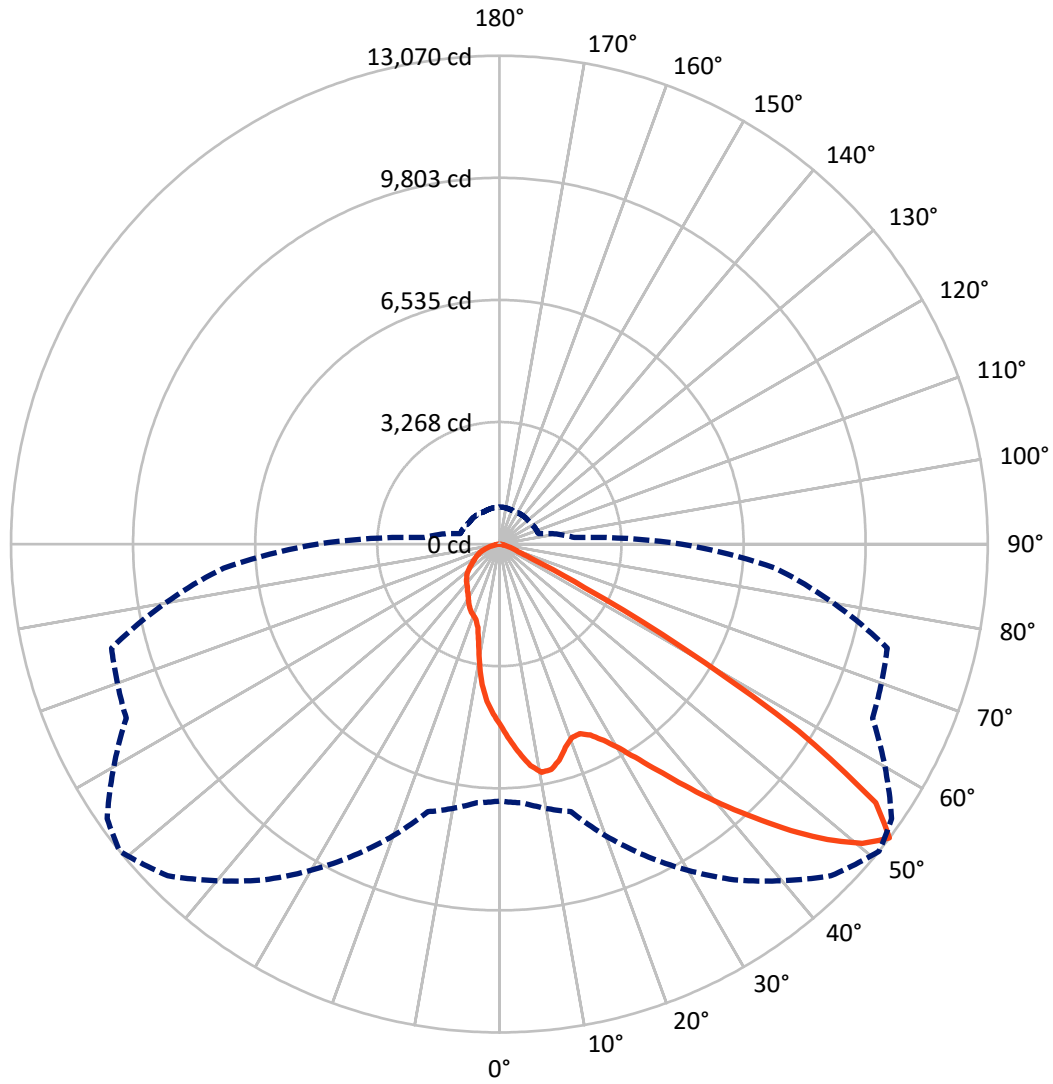
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 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
<b>House Side</b>	Lumens	3181.9	0.0	3181.9
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	13149.0	0.0	13149.0
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	16330.9	0.0	16330.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	453.7	2.8
10°-20°	1179.0	7.2
20°-30°	1917.0	11.7
30°-40°	3037.9	18.6
40°-50°	4581.9	28.1
50°-60°	3963.7	24.3
60°-70°	898.6	5.5
70°-80°	265.0	1.6
80°-90°	34.1	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°	16330.9	100.0
0°-180°	16330.9	100.0

**Coefficient of Utilization**



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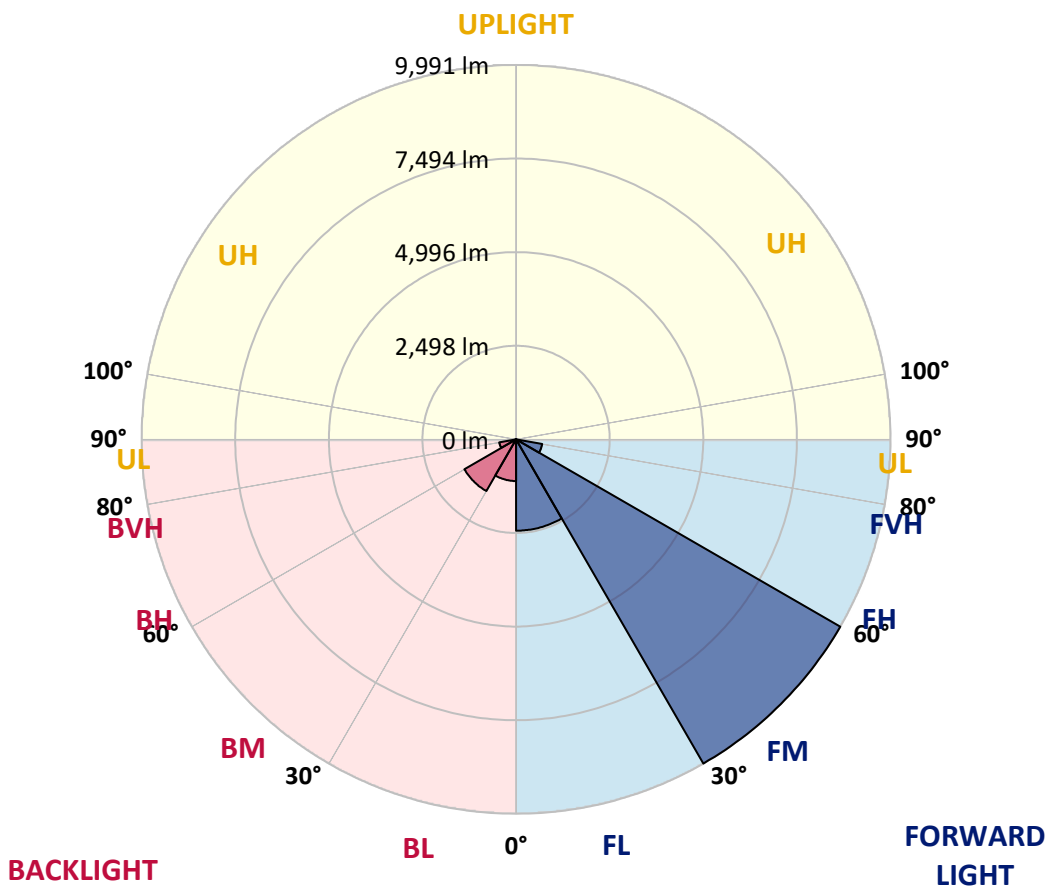
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2437.4	14.9			
FM (30°-60°)	9991.5	61.2			
FH (60°-80°)	707.2	4.3			G1/1800
FVH (80°-90°)	12.9	0.1			G1/100
BL (0°-30°)	1112.3	6.8	B3/2500		
BM (30°-60°)	1592.0	9.7	B2/2500		
BH (60°-80°)	456.4	2.8	B1/500		G1/500
BVH (80°-90°)	21.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5
2.5°	5418.7	5449.7	5401.9	5383.9	5354.2	5302.6	5243.2	5226.4	5098.7	5014.8	4920.6
5°	5963.3	5980.1	5941.4	5902.6	5829.1	5737.5	5622.6	5598.1	5365.8	5173.5	4973.5
7.5°	6084.6	6078.2	6111.7	6133.6	6124.6	6088.5	5986.5	5938.8	5661.3	5356.8	5061.3
10°	5604.5	5568.4	5692.3	5839.4	6016.2	6220.1	6208.5	6204.6	5963.3	5603.3	5173.5
12.5°	4968.3	4950.3	5050.9	5235.5	5569.7	6021.4	6190.4	6322.1	6235.6	5838.1	5298.7
15°	4604.4	4598.0	4666.4	4799.3	5065.1	5635.5	5996.9	6257.5	6469.2	6089.8	5431.6
17.5°	4538.6	4542.5	4565.7	4641.9	4832.8	5302.6	5720.7	6084.6	6651.1	6365.9	5598.1
20°	4730.9	4756.7	4716.7	4728.3	4831.6	5182.6	5532.3	5910.4	6767.3	6643.4	5777.5
22.5°	5158.0	5149.0	5061.3	5009.6	5010.9	5256.1	5511.6	5829.1	6843.4	6913.1	5940.1
25°	5642.0	5631.6	5527.1	5412.3	5340.0	5456.1	5660.0	5915.6	6911.8	7159.6	6070.4
27.5°	6213.7	6181.4	6065.2	5918.1	5758.1	5808.4	5946.5	6149.1	7017.6	7402.2	6156.9
30°	6767.3	6804.7	6638.2	6464.0	6295.0	6264.0	6344.0	6527.2	7233.1	7686.1	6260.1
32.5°	7501.6	7488.6	7304.1	7077.0	6835.7	6812.4	6875.7	7043.4	7620.3	8078.4	6417.6
35°	8390.7	8393.3	8131.3	7824.2	7480.9	7419.0	7524.8	7687.4	8197.1	8610.1	6666.6
37.5°	9314.7	9310.8	9082.4	8734.0	8265.5	8177.8	8299.1	8420.4	8918.5	9334.0	7053.8
40°	9962.5	9988.3	9881.2	9697.9	9254.0	9039.8	9146.9	9230.8	9703.1	10185.7	7563.5
42.5°	10330.3	10369.0	10392.2	10501.9	10268.3	10039.9	10001.2	10045.1	10403.8	10976.8	8042.3
45°	10409.0	10460.6	10629.7	11036.2	11126.5	11062.0	10935.5	10829.7	10926.5	11538.2	8355.8
47.5°	10061.9	10152.2	10513.5	11224.6	11752.4	11955.0	11814.3	11653.0	11228.5	11682.7	8323.6
50°	8686.2	8792.0	9606.3	10840.0	11841.4	12579.6	12592.5	12353.8	11192.3	11265.9	7918.4
52.5°	6877.0	6949.2	7415.1	9189.5	10967.8	12553.8	13070.0	12814.5	11018.1	10744.5	7411.2
55°	4110.2	4226.3	4661.2	6062.7	8544.3	11126.5	12226.0	12349.9	10932.9	10307.1	7065.4
57.5°	1387.3	1444.0	1859.6	2677.7	5035.4	8146.8	9446.3	9949.6	9925.1	9638.6	6390.5
60°	660.7	673.6	757.5	1015.6	2015.7	4257.3	5591.6	6172.4	6701.5	6754.4	3976.0
62.5°	503.3	511.0	553.6	609.1	810.4	1793.8	2562.9	3006.8	3212.0	2756.5	1447.9
65°	420.7	427.1	459.4	494.3	551.0	776.9	983.3	1134.3	1022.1	796.2	690.4
67.5°	351.0	356.2	380.7	418.1	456.8	520.1	545.9	561.4	588.5	660.7	634.9
70°	274.9	280.0	305.8	338.1	375.5	391.0	415.5	431.0	485.2	578.1	575.6
72.5°	211.6	218.1	232.3	252.9	283.9	299.4	326.5	344.6	375.5	450.4	481.3
75°	154.9	158.7	171.6	178.1	182.0	178.1	205.2	225.8	267.1	295.5	303.3
77.5°	63.2	71.0	68.4	68.4	81.3	98.1	112.3	125.2	153.6	170.3	171.6
80°	25.8	28.4	33.6	37.4	45.2	58.1	67.1	72.3	85.2	95.5	103.2
82.5°	15.5	16.8	19.4	20.6	25.8	33.6	38.7	42.6	52.9	63.2	67.1
85°	7.7	7.7	9.0	10.3	12.9	15.5	18.1	20.6	27.1	33.6	37.4
87.5°	1.3	1.3	1.3	2.6	3.9	5.2	6.5	7.7	9.0	10.3	12.9
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°	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5	4862.5
2.5°	4865.1	4795.4	4714.1	4649.6	4574.7	4519.3	4440.5	4391.5	4345.0	4306.3	4277.9
5°	4870.3	4752.8	4583.8	4434.1	4279.2	4132.1	3981.1	3858.5	3748.8	3657.2	3649.5
7.5°	4899.9	4730.9	4466.3	4204.4	3902.4	3610.8	3319.1	3081.7	2901.0	2806.8	2787.4
10°	4950.3	4728.3	4346.3	3928.2	3413.3	2943.6	2597.7	2417.1	2312.5	2275.1	2262.2
12.5°	5003.2	4721.9	4192.8	3538.5	2823.6	2411.9	2222.2	2200.3	2219.6	2222.2	2220.9
15°	5067.7	4718.0	3999.2	3081.7	2392.5	2165.4	2178.3	2224.8	2270.0	2280.3	2280.3
17.5°	5146.4	4709.0	3735.9	2635.2	2122.8	2117.7	2186.1	2248.0	2290.6	2298.3	2298.3
20°	5229.0	4685.7	3412.0	2271.2	2013.1	2088.0	2161.6	2209.3	2239.0	2249.3	2250.6
22.5°	5285.8	4623.8	3039.1	2001.5	1944.8	2031.2	2084.1	2133.2	2133.2	2107.4	2099.6
25°	5297.4	4490.9	2635.2	1817.0	1863.5	1943.5	1997.7	1969.3	1916.4	1895.7	1894.4
27.5°	5254.8	4297.3	2236.4	1685.4	1765.4	1845.4	1836.4	1795.1	1771.8	1751.2	1758.9
30°	5203.2	4065.0	1890.6	1577.0	1651.8	1730.5	1699.6	1685.4	1668.6	1645.4	1650.5
32.5°	5168.4	3805.6	1624.7	1493.1	1575.7	1588.6	1610.5	1609.2	1593.7	1549.9	1547.3
35°	5178.7	3543.7	1446.6	1424.7	1512.4	1507.3	1548.6	1540.8	1433.7	1373.1	1369.2
37.5°	5261.3	3292.0	1342.1	1370.5	1411.8	1444.0	1480.2	1387.3	1349.8	1311.1	1313.7
40°	5418.7	3058.4	1285.3	1340.8	1351.1	1398.9	1315.0	1313.7	1296.9	1262.1	1260.8
42.5°	5596.8	2861.0	1246.6	1326.6	1312.4	1321.5	1232.4	1242.7	1241.4	1219.5	1213.0
45°	5705.2	2679.0	1215.6	1273.7	1277.6	1187.2	1160.1	1171.8	1178.2	1166.6	1165.3
47.5°	5592.9	2470.0	1183.4	1192.4	1226.0	1126.6	1093.0	1094.3	1105.9	1107.2	1102.1
50°	5278.1	2236.4	1144.7	1122.7	1100.8	1063.4	1032.4	1025.9	1037.5	1049.2	1053.0
52.5°	4871.6	2013.1	1080.1	1046.6	995.0	995.0	980.8	960.1	975.6	991.1	996.2
55°	4573.5	1848.0	988.5	951.1	894.3	913.7	911.1	893.0	913.7	925.3	929.1
57.5°	3963.1	1485.3	869.8	858.2	810.4	833.6	838.8	815.6	805.3	807.8	811.7
60°	2352.5	958.8	784.6	783.3	740.7	767.8	783.3	760.1	729.1	733.0	738.2
62.5°	1055.6	733.0	677.5	672.3	671.0	705.9	722.7	700.7	656.9	660.7	665.9
65°	664.6	633.6	588.5	588.5	609.1	638.8	651.7	633.6	583.3	576.8	582.0
67.5°	616.8	589.7	543.3	534.3	544.6	569.1	570.4	535.5	505.9	500.7	500.7
70°	553.6	533.0	487.8	469.7	465.9	464.6	460.7	451.7	432.3	427.1	429.7
72.5°	458.1	443.9	415.5	396.2	385.9	384.6	369.1	361.3	344.6	342.0	340.7
75°	303.3	307.1	307.1	304.6	295.5	291.6	274.9	267.1	247.8	240.0	238.7
77.5°	179.4	183.2	188.4	189.7	188.4	188.4	172.9	163.9	144.5	134.2	131.6
80°	109.7	112.3	114.9	118.7	113.6	109.7	95.5	86.5	77.4	71.0	69.7
82.5°	71.0	73.6	74.8	77.4	74.8	69.7	58.1	52.9	46.5	41.3	40.0
85°	40.0	41.3	43.9	43.9	40.0	36.1	29.7	25.8	21.9	19.4	19.4
87.5°	14.2	14.2	14.2	15.5	12.9	11.6	7.7	5.2	3.9	3.9	3.9
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)