

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: P639878

Luminaire Tested: GWS-SA5C-760-U-T3R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639878
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-15)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5C-760-U-T3R-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24423 lumens
Efficiency: N/A
Efficacy: 155.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 157.5
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

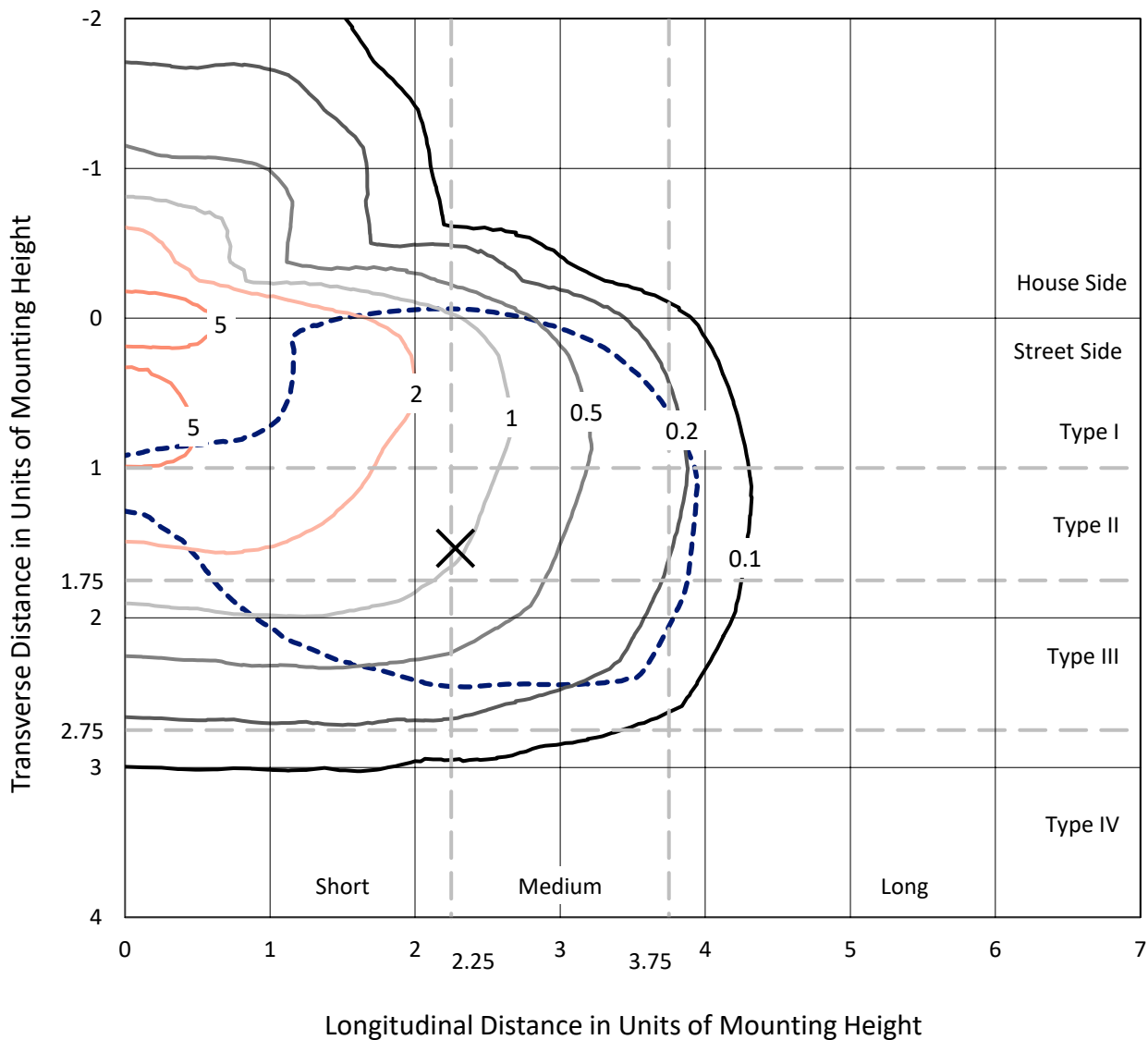


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Iso-Footcandle Lines of Horizontal Illumination

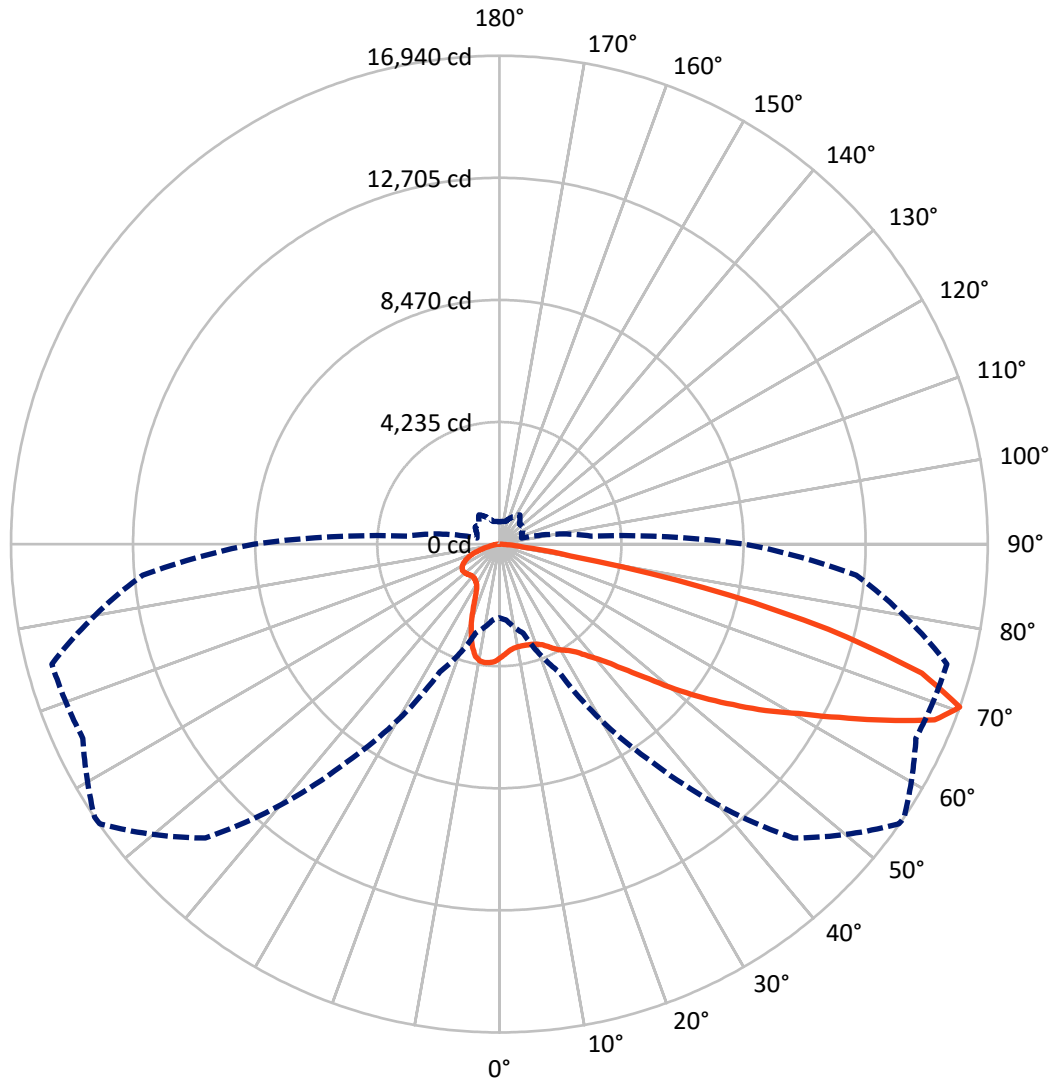
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4695.4	0.0	4695.4
	% Fixture	19.2	0.0	19.2
Street Side	Lumens	19727.6	0.0	19727.6
	% Fixture	80.8	0.0	80.8
Total	Lumens	24423.0	0.0	24423.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.8	1.5
10°-20°	988.5	4.0
20°-30°	1634.2	6.7
30°-40°	2443.4	10.0
40°-50°	3636.1	14.9
50°-60°	5169.4	21.2
60°-70°	6402.5	26.2
70°-80°	3535.2	14.5
80°-90°	249.0	1.0
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°	24423.0	100.0
0°-180°	24423.0	100.0

Coefficient of Utilization



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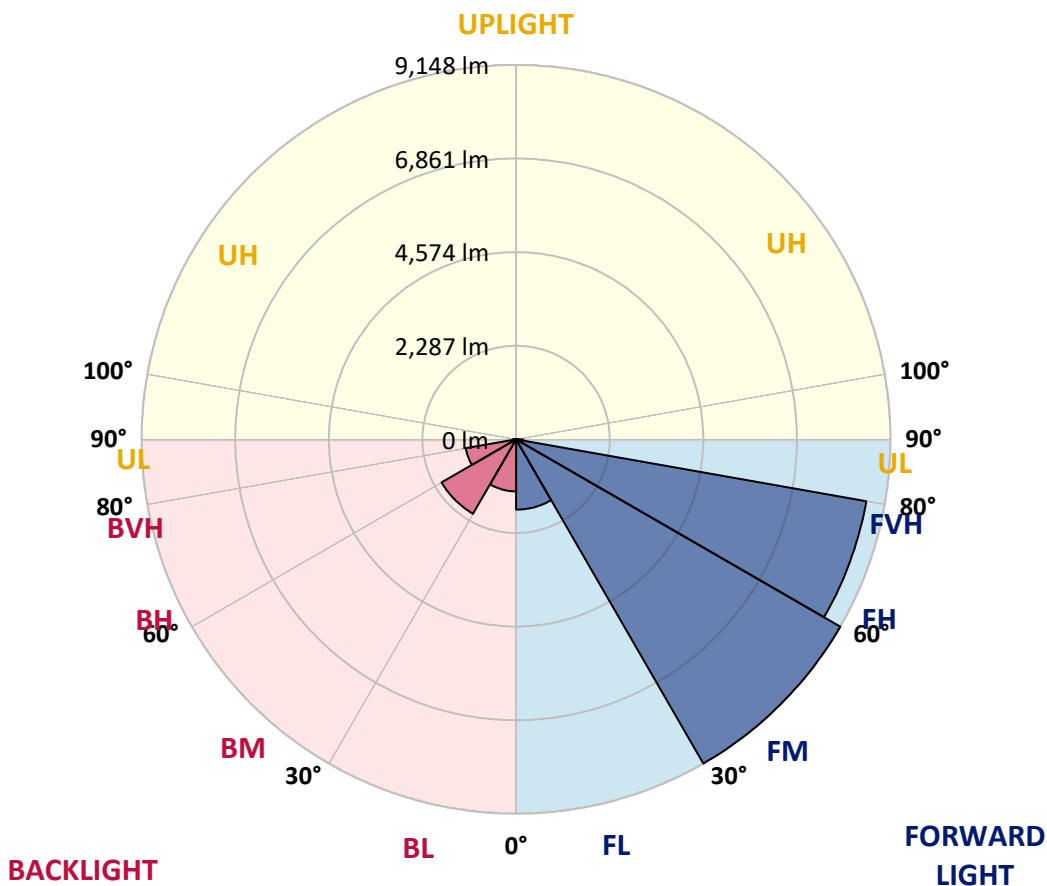
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1716.4	7.0			
FM (30°-60°)	9148.5	37.5			
FH (60°-80°)	8689.7	35.6			G4/12000
FVH (80°-90°)	173.0	0.7			G2/225
BL (0°-30°)	1271.1	5.2	B3/2500		
BM (30°-60°)	2100.3	8.6	B2/2500		
BH (60°-80°)	1248.0	5.1	B3/2500		G3/2500
BVH (80°-90°)	76.0	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-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2
2.5°	3689.1	3668.4	3692.5	3704.6	3735.6	3780.4	3820.0	3821.7	3842.4	3892.3	3940.5
5°	3522.0	3511.7	3518.6	3554.7	3587.5	3644.3	3704.6	3709.7	3768.3	3866.5	3962.9
7.5°	3392.8	3379.1	3404.9	3451.4	3492.7	3556.5	3635.7	3642.6	3725.2	3873.4	4021.5
10°	3206.8	3196.5	3244.7	3306.7	3396.3	3501.3	3606.4	3615.0	3723.5	3918.1	4124.8
12.5°	3125.9	3125.9	3146.6	3205.1	3303.3	3442.8	3601.2	3615.0	3751.1	3987.0	4257.4
15°	3251.6	3260.2	3243.0	3239.6	3279.2	3411.8	3608.1	3628.8	3802.7	4057.6	4388.3
17.5°	3504.8	3513.4	3468.6	3398.0	3358.4	3441.1	3634.0	3656.4	3857.9	4135.1	4529.5
20°	3859.6	3869.9	3771.7	3663.2	3527.2	3525.5	3683.9	3704.6	3928.5	4219.5	4679.4
22.5°	4274.6	4281.5	4157.5	3985.3	3776.9	3682.2	3770.0	3790.7	4019.7	4336.6	4841.3
25°	4755.2	4775.8	4626.0	4376.3	4093.8	3897.5	3913.0	3937.1	4183.4	4493.4	5032.4
27.5°	5268.4	5294.2	5122.0	4846.4	4457.2	4135.1	4097.3	4117.9	4357.3	4589.8	5134.1
30°	5793.7	5812.6	5640.4	5325.2	4848.2	4403.8	4252.3	4264.3	4433.1	4636.3	5237.4
32.5°	6377.5	6362.0	6196.7	5833.3	5299.4	4725.9	4396.9	4393.5	4517.5	4729.3	5385.5
35°	6925.2	6947.6	6771.9	6370.6	5795.4	5123.7	4613.9	4600.2	4696.6	4880.9	5593.9
37.5°	7588.3	7581.4	7371.3	6937.3	6293.1	5504.3	4918.8	4894.7	4929.1	5116.8	5885.0
40°	8061.9	8110.1	7974.1	7569.3	6875.3	5972.8	5275.3	5221.9	5230.5	5407.9	6274.2
42.5°	8449.4	8494.2	8508.0	8249.6	7541.8	6551.5	5719.6	5666.2	5671.4	5922.8	6753.0
45°	8747.3	8807.6	9002.2	8926.5	8292.7	7219.7	6320.7	6265.6	6269.0	6548.0	7331.7
47.5°	8869.6	8935.1	9329.5	9510.3	9090.1	8018.8	7068.1	6987.2	6999.3	7307.5	7993.0
50°	8830.0	8917.9	9451.8	9959.8	9758.3	8831.7	7962.0	7905.2	7858.7	8306.4	8711.2
52.5°	8489.0	8585.5	9439.7	10245.7	10304.3	9599.9	8885.1	8852.4	8842.1	9367.4	9513.8
55°	7484.9	7646.8	9024.6	10321.5	10731.4	10323.2	9885.8	9830.6	9884.0	10504.0	10324.9
57.5°	6928.6	7049.2	8211.7	10237.1	11081.0	11012.1	10884.7	10889.8	10950.1	11738.9	11308.3
60°	6611.7	6753.0	7760.5	10006.3	11416.8	11849.1	11930.1	11930.1	12038.6	13070.2	12307.3
62.5°	6191.5	6334.5	7338.5	9562.0	11726.9	12834.3	13244.2	13239.0	13282.1	14498.0	13283.8
65°	5339.0	5471.6	6491.2	8861.0	11878.4	13919.3	14737.4	14721.9	14635.7	15769.0	13929.6
67.5°	3876.8	4002.5	4972.2	7528.0	11332.5	14794.2	16275.3	16282.2	15767.3	16569.8	13964.1
70°	2555.8	2641.9	3196.5	4889.5	9215.8	14417.0	16919.5	16940.1	15941.2	16070.4	12427.8
72.5°	1594.8	1655.1	1996.1	2915.8	5445.8	11411.7	15266.1	15322.9	14341.2	14122.5	10211.3
75°	1059.2	1100.5	1327.9	1699.9	2519.7	6176.0	11604.6	11787.1	11494.3	11070.7	7114.6
77.5°	637.2	671.7	845.6	1079.9	1116.0	2412.9	6773.6	7245.5	7286.9	5779.9	2979.5
80°	291.1	330.7	466.7	616.6	594.2	840.5	2388.8	2499.0	2948.5	1835.9	940.4
82.5°	172.2	189.4	310.0	306.6	253.2	408.2	859.4	881.8	749.2	671.7	401.3
85°	68.9	80.9	130.9	115.4	93.0	132.6	323.8	339.3	325.5	292.8	148.1
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	29.3	31.0	44.8	80.9	44.8
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°	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2	3942.2
2.5°	3971.5	3961.2	4012.9	4052.5	4069.7	4086.9	4071.4	4066.3	4066.3	4031.8	4014.6
5°	4014.6	4019.7	4090.4	4123.1	4123.1	4109.3	4068.0	4038.7	4028.4	3983.6	3971.5
7.5°	4095.5	4117.9	4183.4	4181.6	4133.4	4057.6	3954.3	3875.1	3802.7	3771.7	3752.8
10°	4228.1	4257.4	4302.2	4229.9	4095.5	3895.7	3677.0	3504.8	3401.5	3318.8	3318.8
12.5°	4379.7	4407.3	4398.6	4231.6	3954.3	3580.6	3265.4	3067.3	2922.7	2846.9	2846.9
15°	4531.3	4553.6	4460.6	4152.4	3659.8	3162.1	2817.6	2579.9	2454.2	2383.6	2383.6
17.5°	4684.5	4682.8	4486.5	3969.8	3275.7	2698.8	2361.2	2176.9	2133.9	2121.8	2120.1
20°	4832.7	4793.0	4453.8	3665.0	2829.7	2232.0	2018.5	2030.5	2094.3	2121.8	2125.3
22.5°	4999.7	4901.5	4357.3	3275.7	2323.3	1908.3	1922.0	2021.9	2114.9	2156.3	2161.4
25°	5170.2	4994.5	4195.4	2819.3	1899.7	1789.4	1896.2	2008.2	2113.2	2166.6	2171.8
27.5°	5239.1	4994.5	3919.9	2290.6	1674.0	1739.5	1856.6	1965.1	2075.3	2137.3	2149.4
30°	5295.9	4951.5	3534.1	1813.5	1581.0	1691.3	1792.9	1892.8	2001.3	2077.0	2090.8
32.5°	5375.2	4913.6	3067.3	1524.2	1538.0	1644.8	1715.4	1799.8	1897.9	1947.9	1942.7
35°	5468.2	4855.0	2504.2	1386.4	1501.8	1605.1	1655.1	1705.0	1660.3	1658.5	1663.7
37.5°	5600.8	4803.4	2013.3	1324.4	1477.7	1577.6	1618.9	1512.1	1450.1	1424.3	1414.0
40°	5792.0	4782.7	1587.9	1288.2	1474.3	1575.9	1546.6	1381.3	1296.9	1207.3	1205.6
42.5°	6033.1	4767.2	1312.4	1271.0	1486.3	1615.5	1446.7	1295.1	1121.2	1081.6	1078.1
45°	6343.1	4743.1	1174.6	1267.6	1515.6	1646.5	1436.4	1176.3	1057.5	1040.2	1040.2
47.5°	6716.8	4705.2	1112.6	1267.6	1548.3	1632.7	1405.4	1150.5	1028.2	1047.1	1059.2
50°	7145.6	4657.0	1079.9	1264.1	1581.0	1632.7	1339.9	1145.3	1021.3	1119.5	1159.1
52.5°	7603.8	4601.9	1057.5	1250.4	1603.4	1634.4	1343.4	1162.5	1028.2	1136.7	1169.4
55°	8110.1	4593.3	1026.5	1221.1	1610.3	1589.6	1352.0	1200.4	1038.5	1029.9	1031.6
57.5°	8749.1	4696.6	1004.1	1178.0	1582.8	1498.4	1369.2	1228.0	1026.5	1028.2	1040.2
60°	9417.3	4891.2	1023.0	1136.7	1525.9	1412.3	1381.3	1214.2	967.9	940.4	943.8
62.5°	9985.7	5039.3	1038.5	1117.7	1443.3	1336.5	1369.2	1183.2	935.2	928.3	943.8
65°	10223.3	4917.0	1000.6	1078.1	1322.7	1243.5	1343.4	1143.6	907.6	881.8	883.5
67.5°	9959.8	4343.5	926.6	990.3	1186.6	1124.6	1302.0	1091.9	869.7	838.7	831.9
70°	8508.0	3191.3	799.1	850.8	1021.3	985.1	1238.3	1024.7	809.5	787.1	771.6
72.5°	6856.3	2259.6	663.1	676.8	800.8	830.1	1128.1	940.4	740.6	676.8	654.5
75°	4772.4	1419.1	552.8	539.1	578.7	633.8	880.1	780.2	639.0	571.8	551.1
77.5°	2052.9	728.5	432.3	425.4	385.8	439.2	675.1	651.0	535.6	458.1	446.1
80°	687.2	422.0	311.7	299.7	256.6	308.3	475.3	520.1	420.2	339.3	318.6
82.5°	344.5	244.6	198.1	179.1	172.2	194.6	280.7	323.8	291.1	234.2	198.1
85°	168.8	139.5	108.5	106.8	89.6	84.4	117.1	137.8	130.9	96.4	91.3
87.5°	62.0	55.1	34.4	27.6	17.2	12.1	6.9	6.9	5.2	5.2	5.2
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)