

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: P642184

Luminaire Tested: GWS-SA6C-735-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-735-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (96) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28024.6 lumens
Efficiency: N/A
Efficacy: 148.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

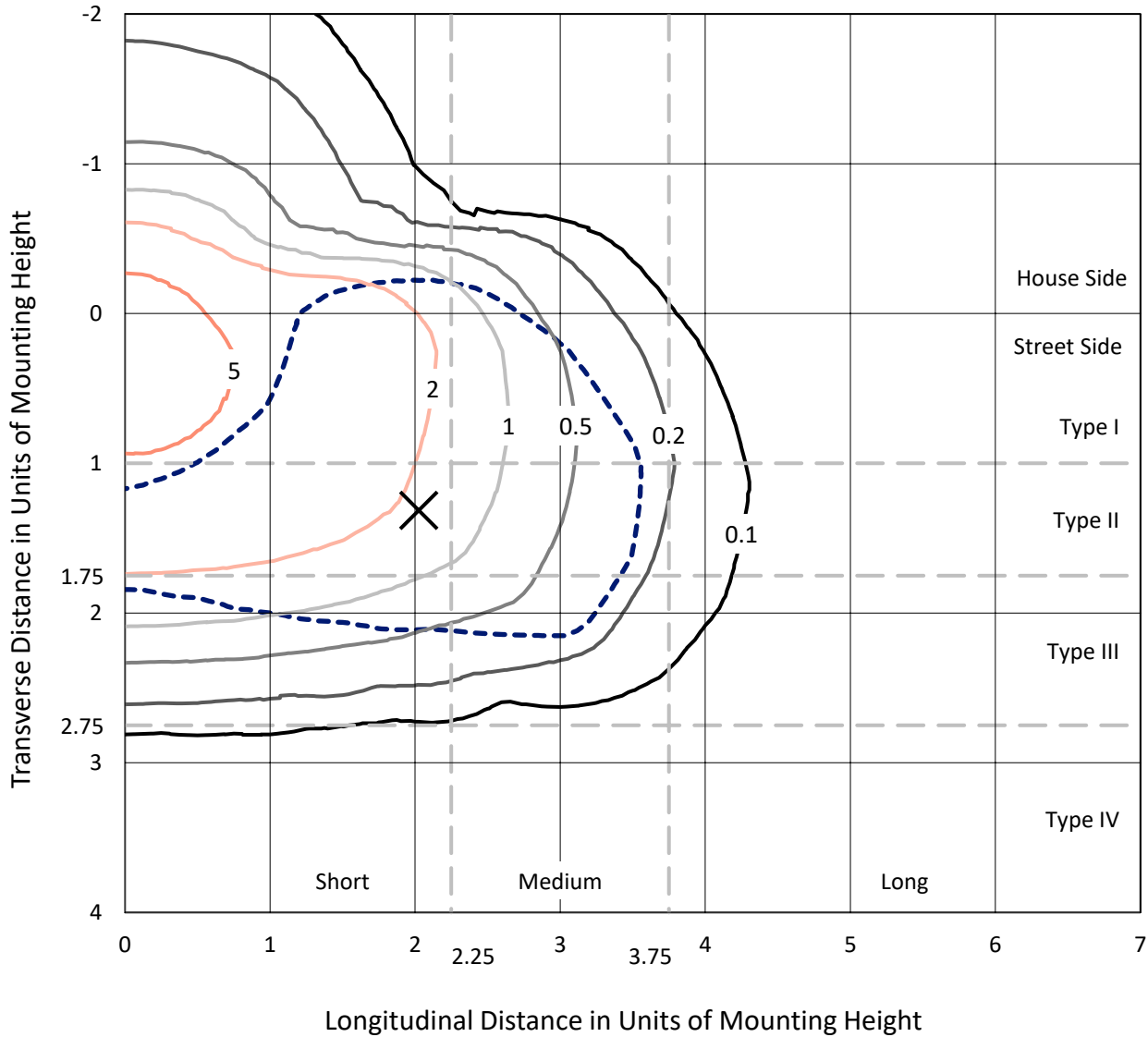
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

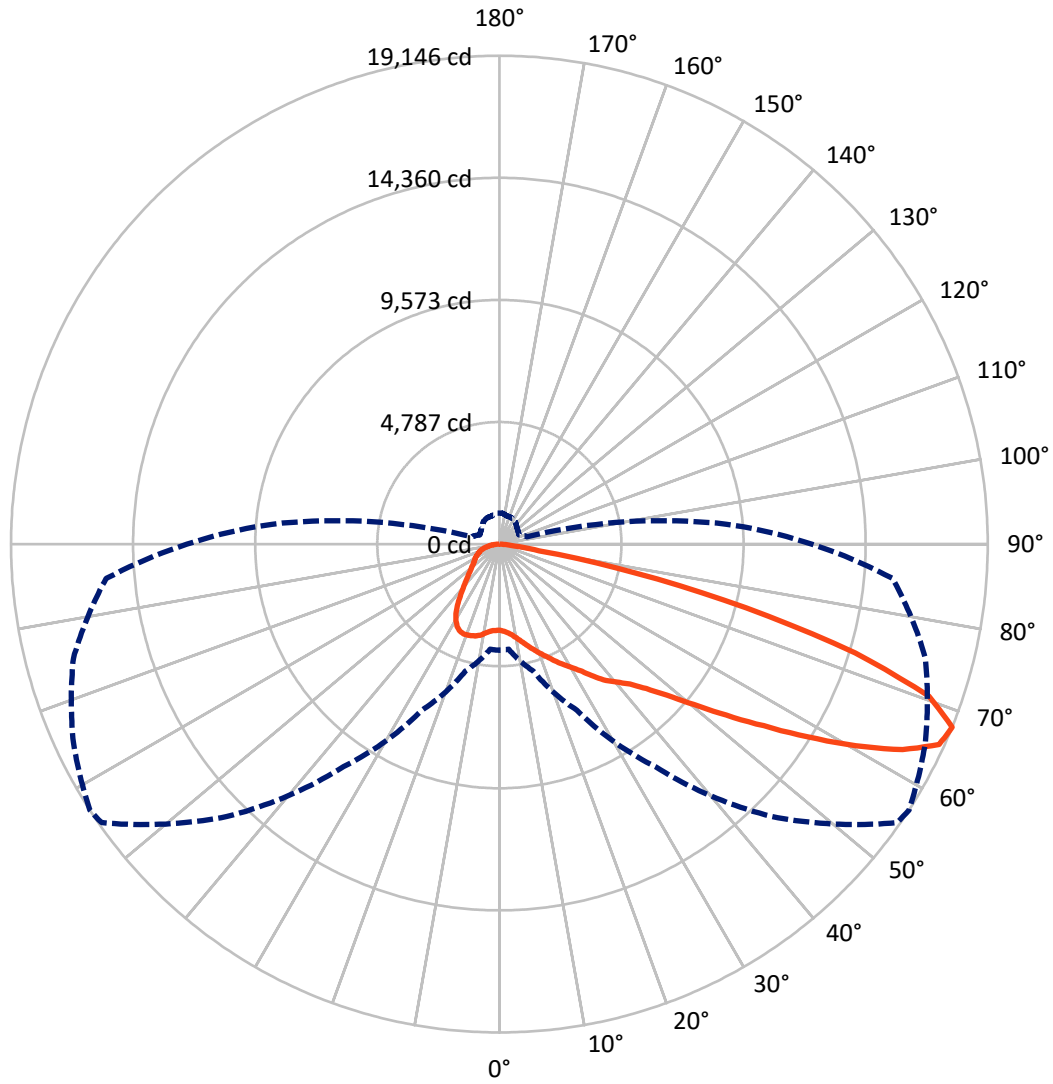
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6161.5	0.0	6161.5
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	21863.1	0.0	21863.1
	% Fixture	78.0	0.0	78.0
Total	Lumens	28024.6	0.0	28024.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.9	1.2
10°-20°	1108.7	4.0
20°-30°	1976.6	7.1
30°-40°	2873.7	10.3
40°-50°	4159.3	14.8
50°-60°	6509.1	23.2
60°-70°	7593.3	27.1
70°-80°	3169.8	11.3
80°-90°	299.1	1.1
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°	28024.6	100.0
0°-180°	28024.6	100.0

Coefficient of Utilization



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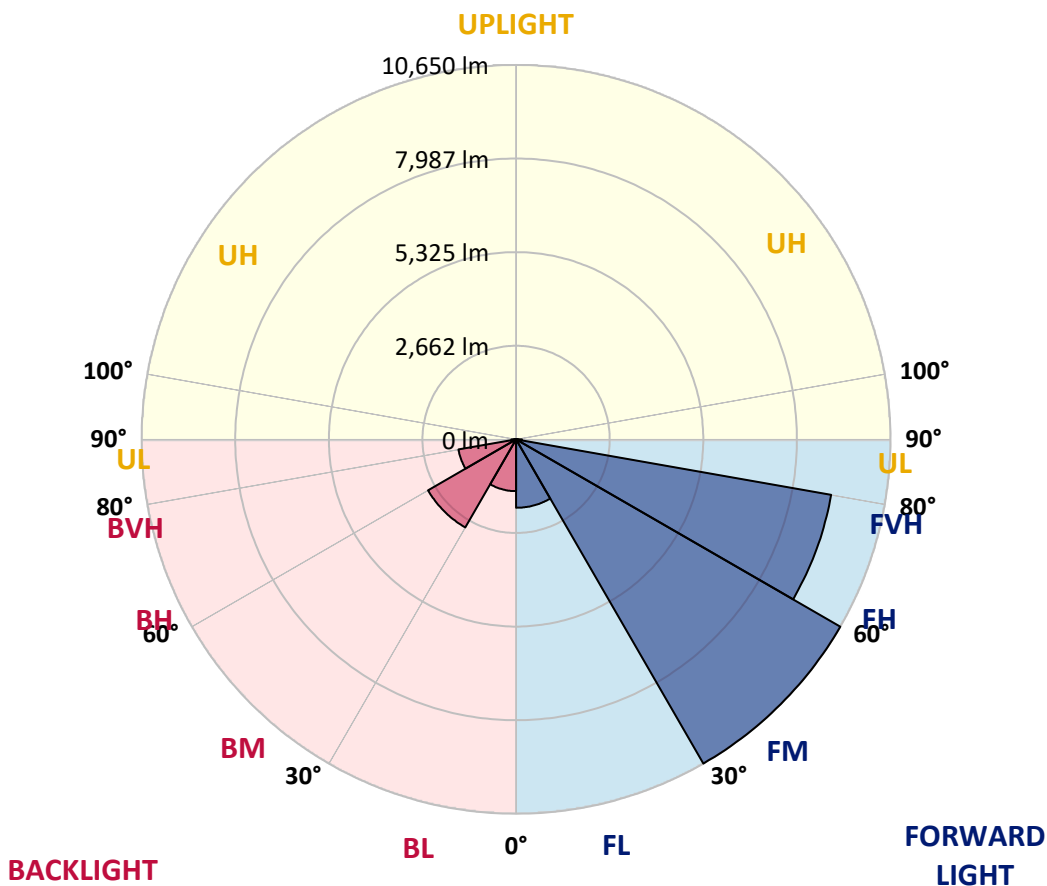
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1946.6	6.9			
FM (30°-60°)	10649.8	38.0			
FH (60°-80°)	9100.1	32.5			G4/12000
FVH (80°-90°)	166.7	0.6			G2/225
BL (0°-30°)	1473.6	5.3	B3/2500		
BM (30°-60°)	2892.4	10.3	B3/5000		
BH (60°-80°)	1663.0	5.9	B3/2500		G3/2500
BVH (80°-90°)	132.5	0.5			G2/225
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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8
2.5°	3425.0	3420.9	3418.9	3431.0	3427.0	3425.0	3425.0	3422.9	3418.9	3402.9	3380.8
5°	3519.3	3511.3	3503.3	3513.3	3505.3	3497.2	3495.2	3491.2	3477.2	3453.1	3418.9
7.5°	3617.7	3609.7	3611.7	3617.7	3611.7	3607.6	3601.6	3597.6	3575.5	3537.4	3491.2
10°	3756.2	3756.2	3760.2	3766.2	3768.3	3762.2	3750.2	3744.2	3718.1	3669.9	3605.6
12.5°	3957.0	3953.0	3953.0	3948.9	3955.0	3948.9	3936.9	3926.9	3894.7	3832.5	3740.1
15°	4222.0	4205.9	4191.9	4165.8	4157.7	4135.6	4139.7	4133.6	4103.5	4019.2	3902.8
17.5°	4505.0	4503.0	4481.0	4428.8	4376.6	4340.4	4348.4	4346.4	4330.4	4215.9	4067.4
20°	4754.0	4764.0	4743.9	4703.8	4633.5	4565.3	4561.3	4571.3	4551.2	4436.8	4230.0
22.5°	5033.0	5025.0	5004.9	4952.7	4900.5	4828.3	4804.2	4796.1	4788.1	4657.6	4396.6
25°	5298.0	5322.1	5296.0	5247.9	5167.5	5089.3	5069.2	5077.2	5055.1	4882.5	4575.3
27.5°	5633.3	5643.3	5627.3	5561.0	5492.8	5382.4	5344.2	5344.2	5336.2	5093.3	4715.8
30°	5990.7	6018.8	5990.7	5936.5	5866.2	5707.6	5625.3	5617.2	5593.2	5310.1	4880.5
32.5°	6350.0	6370.1	6350.0	6297.8	6217.5	6079.0	5960.5	5942.5	5910.4	5547.0	5049.1
35°	6669.2	6687.3	6683.3	6695.3	6629.1	6454.4	6382.1	6374.1	6289.8	5856.2	5278.0
37.5°	7018.5	7040.6	7010.5	7034.6	7008.5	6843.9	6821.8	6781.7	6661.2	6147.3	5518.9
40°	7416.1	7436.1	7387.9	7398.0	7367.9	7275.5	7163.1	7108.9	6930.2	6462.4	5898.3
42.5°	7841.7	7887.8	7909.9	7891.9	7821.6	7769.4	7572.6	7504.4	7355.8	7030.6	6522.7
45°	8458.0	8526.3	8558.4	8512.2	8482.1	8407.8	8166.9	8084.6	8006.3	7831.6	7394.0
47.5°	9122.5	9184.7	9287.1	9307.2	9331.3	9275.1	8935.8	8855.5	8869.6	8849.5	8466.0
50°	9652.5	9704.7	9935.6	10182.5	10387.3	10403.4	9969.7	9883.4	9959.7	10023.9	9756.9
52.5°	10038.0	10084.1	10389.3	10899.2	11363.0	11706.3	11238.5	11140.1	11202.4	11346.9	11224.5
55°	10351.2	10415.4	10734.6	11517.6	12455.1	12997.2	12698.0	12573.6	12547.5	12726.1	12796.4
57.5°	10515.8	10535.9	10983.5	12001.4	13256.1	14264.0	14394.5	14253.9	14005.0	14103.3	14468.7
60°	10140.4	10174.5	10786.8	12125.9	13888.5	15520.7	16175.2	16058.7	15528.7	15582.9	15986.5
62.5°	9102.4	9150.6	9887.4	11533.6	13940.7	16359.9	17819.4	17745.1	17034.4	16741.3	16861.8
65°	7301.6	7317.7	8080.6	10068.1	12902.8	16464.3	18965.7	18947.7	18086.4	17399.8	16883.9
67.5°	4163.8	4135.6	5155.5	7181.2	10648.3	15107.1	19040.0	19146.4	18427.7	17291.4	15478.6
70°	1804.8	1808.8	2278.6	3543.4	6892.1	12210.2	17684.9	17867.6	17440.0	15486.6	12314.6
72.5°	835.2	847.2	1050.0	1533.8	2943.1	7574.7	14420.5	14585.2	14217.8	12394.9	8959.9
75°	590.2	600.3	700.7	879.3	1353.1	2951.2	9646.5	9991.8	10170.5	9271.1	5904.3
77.5°	447.7	461.7	511.9	610.3	835.2	1046.0	4615.5	5438.6	6478.5	5767.8	3041.5
80°	285.1	285.1	339.3	407.5	509.9	544.1	1333.0	1580.0	3170.0	2377.0	1194.5
82.5°	192.7	198.8	230.9	259.0	293.1	309.2	572.2	610.3	915.5	809.1	491.9
85°	102.4	106.4	120.5	118.4	140.5	122.5	240.9	238.9	335.3	367.4	186.7
87.5°	0.0	0.0	2.0	2.0	4.0	6.0	26.1	28.1	70.3	112.4	62.2
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°	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8	3376.8
2.5°	3392.8	3368.7	3380.8	3376.8	3388.8	3388.8	3366.7	3360.7	3362.7	3338.6	3330.6
5°	3422.9	3394.8	3400.9	3392.8	3404.9	3414.9	3404.9	3404.9	3416.9	3398.9	3388.8
7.5°	3491.2	3459.1	3459.1	3449.0	3463.1	3471.1	3463.1	3475.1	3497.2	3479.2	3469.1
10°	3599.6	3561.5	3563.5	3551.4	3557.5	3553.4	3521.3	3511.3	3517.3	3501.2	3493.2
12.5°	3740.1	3688.0	3688.0	3663.9	3649.8	3607.6	3541.4	3517.3	3521.3	3507.3	3501.2
15°	3874.7	3826.5	3816.4	3768.3	3704.0	3625.7	3565.5	3549.4	3553.4	3539.4	3529.4
17.5°	4033.3	3971.0	3934.9	3846.6	3728.1	3647.8	3587.6	3549.4	3517.3	3485.2	3477.2
20°	4179.8	4101.5	4035.3	3898.7	3754.2	3643.8	3531.4	3437.0	3358.7	3316.5	3306.5
22.5°	4330.4	4230.0	4113.6	3934.9	3752.2	3571.5	3364.7	3222.2	3105.7	3043.5	3055.6
25°	4472.9	4346.4	4187.8	3969.0	3688.0	3410.9	3129.8	2917.0	2784.5	2736.4	2722.3
27.5°	4591.4	4434.8	4256.1	3953.0	3555.4	3180.0	2808.6	2571.7	2443.2	2389.0	2375.0
30°	4723.9	4547.2	4354.5	3878.7	3346.7	2856.8	2445.2	2252.5	2160.2	2108.0	2110.0
32.5°	4876.4	4691.7	4493.0	3736.1	3079.6	2507.5	2146.1	2013.6	1939.3	1887.1	1879.1
35°	5081.2	4898.5	4585.3	3521.3	2740.4	2186.3	1941.3	1832.9	1740.6	1672.3	1658.3
37.5°	5334.2	5209.7	4595.4	3234.2	2377.0	1965.4	1794.8	1678.3	1565.9	1475.6	1465.5
40°	5767.8	5625.3	4513.1	2874.9	2067.8	1822.9	1672.3	1537.8	1407.3	1306.9	1292.9
42.5°	6386.2	6093.0	4336.4	2469.3	1834.9	1710.5	1555.9	1385.2	1252.7	1182.5	1172.4
45°	7173.1	6615.0	4071.4	2087.9	1662.3	1600.1	1433.4	1254.7	1184.5	1134.3	1124.3
47.5°	8136.8	7223.3	3766.2	1790.8	1527.8	1499.7	1309.0	1210.6	1148.3	1106.2	1096.1
50°	9289.1	7998.3	3515.3	1557.9	1407.3	1383.2	1268.8	1184.5	1134.3	1100.2	1092.1
52.5°	10604.1	8859.5	3392.8	1391.3	1302.9	1278.8	1254.7	1178.5	1136.3	1110.2	1100.2
55°	11969.3	9766.9	3278.4	1262.8	1214.6	1228.6	1256.8	1198.5	1166.4	1132.3	1122.2
57.5°	13288.3	10618.2	2997.3	1162.4	1150.4	1204.6	1266.8	1218.6	1180.5	1146.3	1134.3
60°	14197.7	11083.9	2521.5	1082.1	1102.2	1174.4	1240.7	1188.5	1140.3	1126.3	1120.2
62.5°	14442.6	11027.7	1957.4	999.8	1043.9	1108.2	1172.4	1138.3	1088.1	1110.2	1112.2
65°	13870.5	10425.4	1469.6	919.5	967.7	1021.9	1102.2	1088.1	1070.0	1130.3	1132.3
67.5°	12250.3	8945.8	1120.2	849.2	889.4	955.6	1080.1	1138.3	1142.3	1218.6	1210.6
70°	9269.1	6683.3	877.3	783.0	829.1	955.6	1150.4	1176.5	1128.3	1198.5	1182.5
72.5°	6408.2	4410.7	746.8	724.7	754.9	911.4	1148.3	1148.3	1096.1	1096.1	1066.0
75°	3981.1	2593.8	650.5	650.5	650.5	797.0	1116.2	1058.0	965.7	923.5	899.4
77.5°	1965.4	1260.8	546.1	566.1	544.1	666.5	911.4	865.3	809.1	764.9	748.8
80°	839.2	630.4	441.7	463.8	437.7	501.9	722.7	712.7	658.5	600.3	582.2
82.5°	385.5	325.2	353.3	363.4	319.2	377.4	528.0	528.0	497.9	417.6	387.5
85°	164.6	172.7	244.9	244.9	200.8	212.8	283.1	269.0	240.9	196.7	180.7
87.5°	56.2	84.3	124.5	108.4	42.2	18.1	10.0	4.0	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)