

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: P637342

Luminaire Tested: GWS-SA4C-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16947.6 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

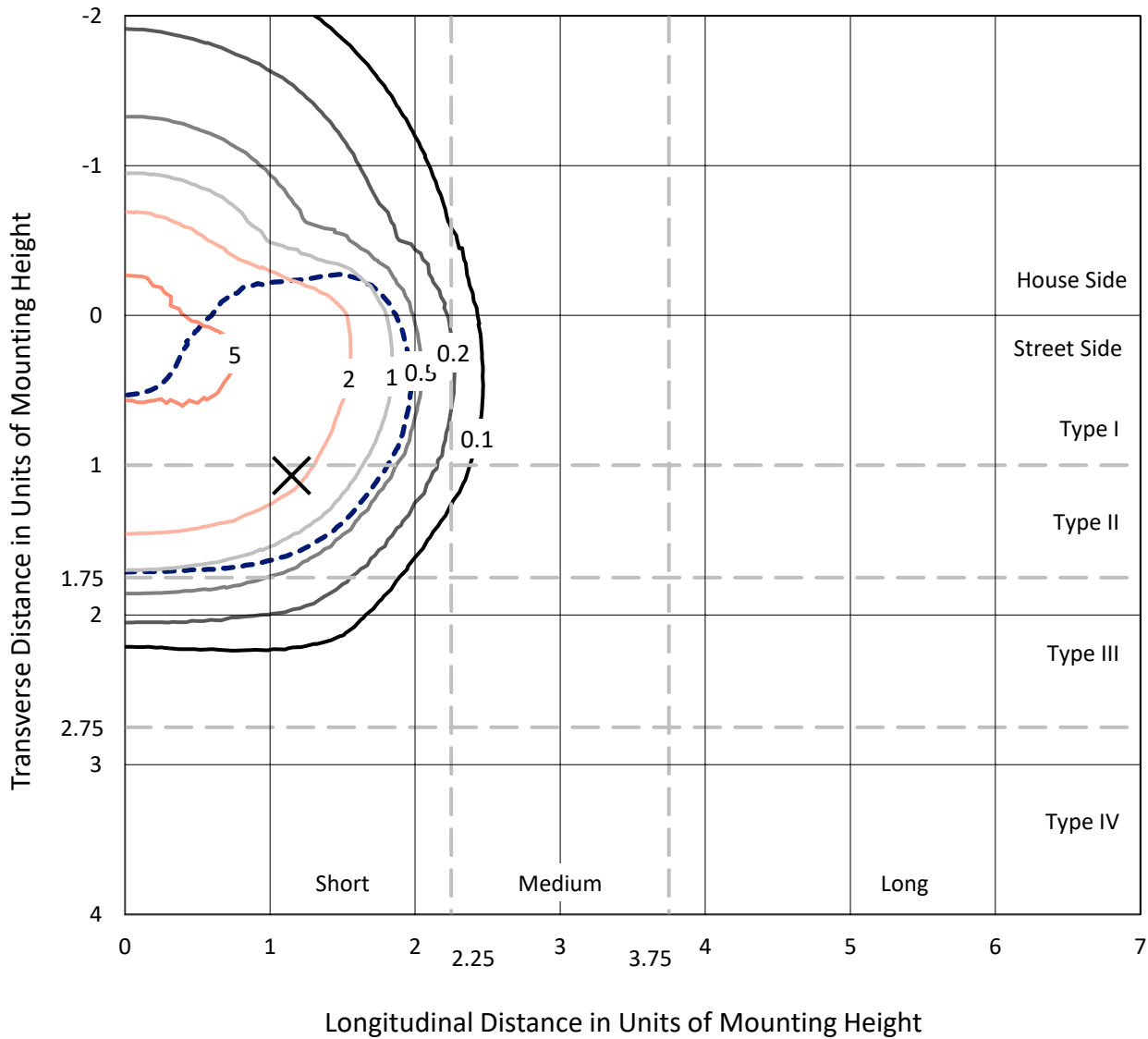
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637342
 CATALOG NUMBER: GWS-SA4C-750-U-T3-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

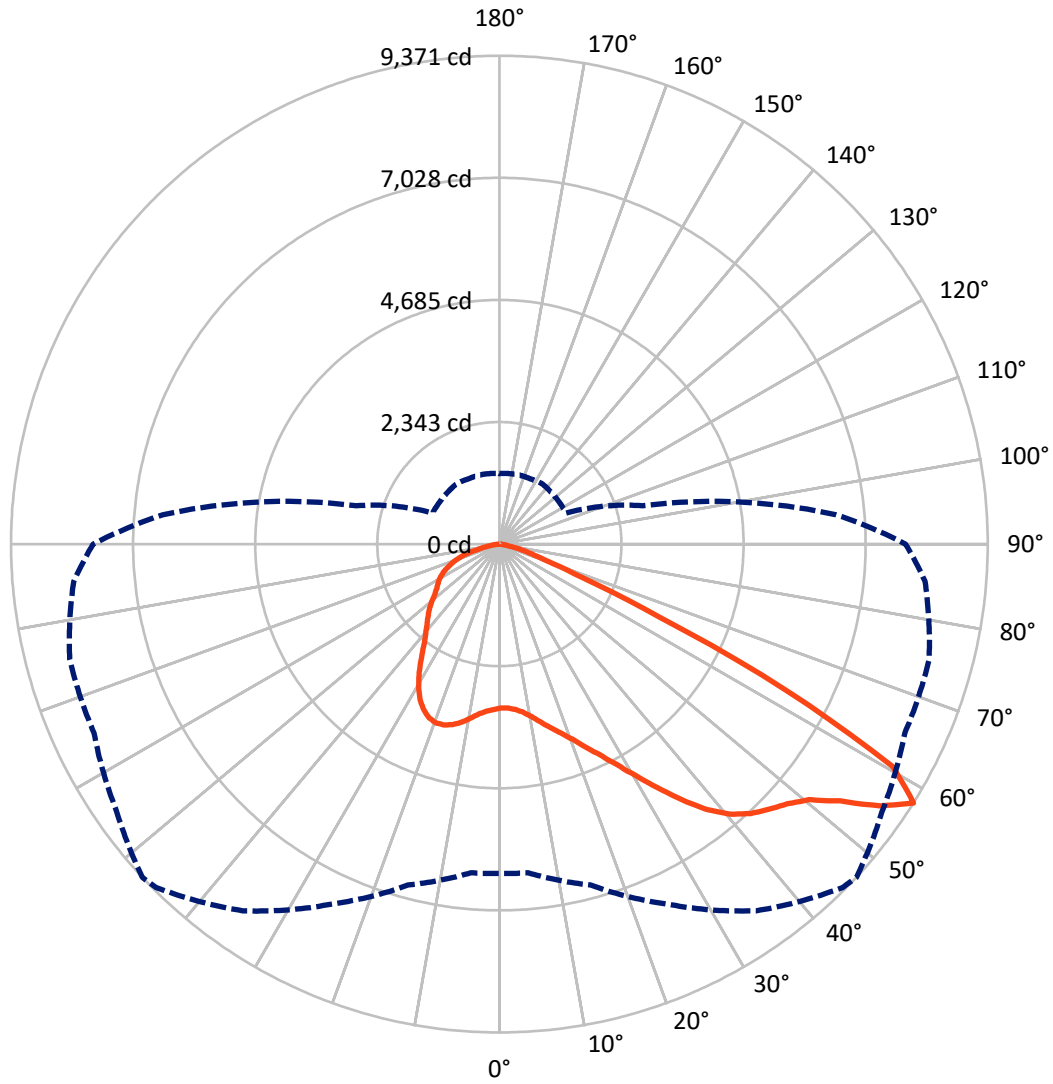
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 fc
 Type II - Short - N/A

REPORT NUMBER: P637342
CATALOG NUMBER: GWS-SA4C-750-U-T3-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P637342

CATALOG NUMBER: GWS-SA4C-750-U-T3-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5363.9	0.0	5363.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	11583.7	0.0	11583.7
	% Fixture	68.4	0.0	68.4
Total	Lumens	16947.6	0.0	16947.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.0	1.8
10°-20°	1019.6	6.0
20°-30°	1835.9	10.8
30°-40°	2772.9	16.4
40°-50°	3734.0	22.0
50°-60°	4486.9	26.5
60°-70°	2185.2	12.9
70°-80°	538.3	3.2
80°-90°	64.7	0.4
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°	16947.6	100.0
0°-180°	16947.6	100.0

Coefficient of Utilization



REPORT NUMBER: P637342

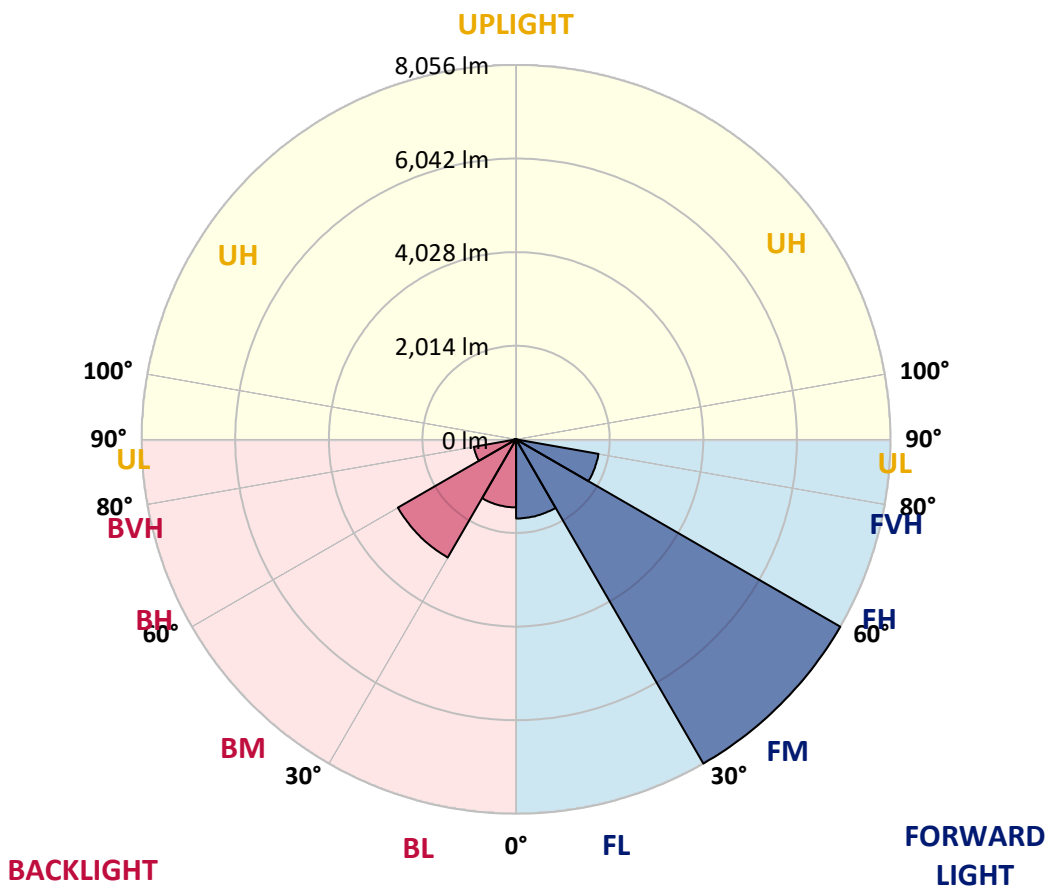
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1702.3	10.0			
FM (30°-60°)	8056.1	47.5			
FH (60°-80°)	1801.0	10.6			G2/5000
FVH (80°-90°)	24.3	0.1			G1/100
BL (0°-30°)	1463.2	8.6	B3/2500		
BM (30°-60°)	2937.8	17.3	B3/5000		
BH (60°-80°)	922.6	5.4	B2/1000		G2/1000
BVH (80°-90°)	40.4	0.2			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





REPORT NUMBER: P637342

CATALOG NUMBER: GWS-SA4C-750-U-T3-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0
2.5°	3137.3	3135.8	3135.8	3144.4	3144.4	3147.2	3151.5	3155.8	3157.2	3150.1	3134.4
5°	3171.4	3171.4	3171.4	3178.5	3178.5	3181.4	3187.1	3188.5	3187.1	3175.7	3160.0
7.5°	3225.5	3225.5	3226.9	3235.5	3242.6	3246.9	3256.8	3255.4	3251.1	3232.6	3212.7
10°	3313.8	3318.0	3322.3	3332.3	3346.5	3356.5	3363.6	3363.6	3357.9	3329.4	3303.8
12.5°	3439.0	3444.7	3449.0	3457.5	3468.9	3486.0	3501.7	3501.7	3494.5	3459.0	3420.5
15°	3585.6	3591.3	3589.9	3592.8	3614.1	3638.3	3651.1	3659.7	3662.5	3612.7	3552.9
17.5°	3753.6	3759.3	3753.6	3745.1	3747.9	3786.4	3809.1	3840.4	3858.9	3792.0	3696.7
20°	3905.9	3900.2	3900.2	3905.9	3914.5	3961.4	3995.6	4046.8	4069.6	3988.5	3840.4
22.5°	4066.8	4079.6	4073.9	4073.9	4108.0	4186.3	4227.6	4294.5	4318.7	4213.4	4014.1
25°	4274.6	4286.0	4283.1	4286.0	4325.8	4436.9	4478.1	4602.0	4626.2	4475.3	4206.3
27.5°	4502.3	4520.8	4529.4	4526.5	4590.6	4735.8	4787.0	4959.3	5003.4	4768.5	4411.2
30°	4798.4	4818.3	4825.5	4822.6	4898.1	5095.9	5154.3	5350.7	5413.3	5115.8	4671.7
32.5°	5141.5	5161.4	5182.7	5191.3	5288.1	5490.2	5574.2	5777.7	5867.4	5517.3	4986.3
35°	5481.7	5498.8	5540.0	5606.9	5739.3	5945.7	6019.7	6220.4	6307.3	5934.3	5366.4
37.5°	5857.5	5868.8	5904.4	5997.0	6187.7	6384.1	6458.2	6650.3	6660.3	6337.2	5796.3
40°	6268.8	6268.8	6261.7	6352.8	6552.1	6750.0	6814.0	6925.0	6866.7	6647.5	6214.7
42.5°	6617.6	6611.9	6617.6	6703.0	6851.0	7011.9	7067.4	7046.0	6972.0	6885.2	6593.4
45°	6932.2	6936.4	6987.7	7053.1	7130.0	7225.4	7258.1	7137.1	7070.2	7075.9	6896.6
47.5°	7145.7	7149.9	7269.5	7379.1	7426.1	7456.0	7441.7	7273.8	7239.6	7303.7	7130.0
50°	7174.1	7196.9	7403.3	7628.2	7744.9	7749.2	7709.4	7504.4	7494.4	7567.0	7255.3
52.5°	7179.8	7202.6	7460.3	7865.9	8169.1	8233.2	8187.6	7974.1	7870.2	7797.6	7409.0
55°	7158.5	7184.1	7468.8	8025.4	8606.1	8862.3	8866.6	8564.8	8233.2	8184.8	7847.4
57.5°	6320.1	6330.0	6771.3	7619.7	8589.0	9315.0	9370.5	8960.6	8581.9	8536.4	8199.0
60°	4402.7	4442.6	4922.3	6042.5	7215.4	8495.1	8674.4	8554.9	8301.5	7969.8	7034.6
62.5°	2204.9	2239.1	2720.2	3779.2	4976.3	5987.0	6179.2	6305.8	6365.6	6009.8	4789.9
65°	949.4	975.1	1274.0	1974.3	2817.0	3305.2	3372.1	3524.4	3897.4	3477.5	2580.7
67.5°	634.9	651.9	804.2	1204.2	1659.7	1691.0	1681.1	1713.8	1795.0	1481.8	1165.8
70°	486.8	501.1	603.5	882.5	1192.8	1020.6	966.5	876.8	952.3	970.8	945.2
72.5°	353.0	364.4	441.3	602.1	747.3	651.9	643.4	688.9	791.4	819.9	804.2
75°	227.8	233.4	280.4	330.2	385.8	418.5	435.6	518.1	622.0	643.4	624.9
77.5°	152.3	156.6	183.6	212.1	219.2	220.6	226.3	263.3	334.5	374.4	370.1
80°	79.7	79.7	89.7	89.7	102.5	122.4	128.1	152.3	185.0	205.0	206.4
82.5°	31.3	32.7	38.4	42.7	51.2	62.6	66.9	79.7	96.8	111.0	123.8
85°	12.8	14.2	15.7	18.5	22.8	28.5	29.9	34.2	45.6	56.9	64.1
87.5°	0.0	0.0	1.4	1.4	2.8	4.3	4.3	5.7	7.1	12.8	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



REPORT NUMBER: P637342

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0	3143.0
2.5°	3152.9	3134.4	3152.9	3158.6	3174.3	3180.0	3170.0	3168.6	3168.6	3154.3	3150.1
5°	3174.3	3157.2	3175.7	3184.2	3207.0	3221.2	3224.1	3235.5	3242.6	3236.9	3235.5
7.5°	3226.9	3205.6	3225.5	3238.3	3268.2	3291.0	3301.0	3326.6	3345.1	3342.2	3340.8
10°	3319.5	3291.0	3313.8	3335.1	3367.9	3394.9	3396.3	3410.6	3429.1	3423.4	3420.5
12.5°	3426.2	3399.2	3424.8	3446.1	3484.6	3496.0	3477.5	3471.8	3474.6	3467.5	3461.8
15°	3557.2	3518.7	3541.5	3565.7	3587.1	3574.3	3534.4	3518.7	3517.3	3507.4	3501.7
17.5°	3688.1	3639.7	3656.8	3669.6	3659.7	3619.8	3570.0	3542.9	3530.1	3510.2	3504.5
20°	3817.7	3756.5	3753.6	3743.6	3698.1	3625.5	3558.6	3504.5	3471.8	3444.7	3434.8
22.5°	3965.7	3880.3	3837.6	3792.0	3692.4	3574.3	3473.2	3396.3	3343.7	3309.5	3298.1
25°	4125.1	4004.1	3915.9	3824.8	3635.5	3464.7	3323.7	3218.4	3155.8	3118.8	3105.9
27.5°	4283.1	4116.6	3984.2	3829.1	3521.6	3306.7	3117.3	2975.0	2912.4	2882.5	2872.5
30°	4496.6	4266.1	4065.3	3773.5	3372.1	3087.4	2851.2	2707.4	2666.1	2644.8	2636.2
32.5°	4742.9	4455.4	4173.5	3656.8	3181.4	2831.2	2582.1	2482.5	2454.0	2412.7	2411.3
35°	5067.4	4725.8	4276.0	3484.6	2940.8	2556.5	2375.7	2304.6	2253.3	2187.8	2182.1
37.5°	5446.1	5063.2	4331.5	3265.4	2660.4	2330.2	2222.0	2142.3	2059.7	1972.9	1961.5
40°	5837.5	5457.5	4335.8	3006.3	2385.7	2180.7	2089.6	1985.7	1883.2	1786.4	1773.6
42.5°	6248.9	5824.7	4260.4	2707.4	2160.8	2051.2	1958.7	1827.7	1712.4	1646.9	1639.8
45°	6616.2	6120.8	4089.5	2392.8	1994.2	1943.0	1824.9	1683.9	1622.7	1575.7	1565.8
47.5°	6905.1	6317.2	3858.9	2111.0	1859.0	1832.0	1678.2	1605.6	1558.7	1516.0	1506.0
50°	7047.5	6361.4	3558.6	1881.8	1733.8	1701.0	1595.7	1540.2	1508.8	1474.7	1466.1
52.5°	7224.0	6411.2	3299.5	1689.6	1611.3	1567.2	1527.4	1483.2	1460.5	1439.1	1432.0
55°	7629.6	6599.1	3162.9	1535.9	1494.6	1474.7	1469.0	1432.0	1424.9	1410.6	1397.8
57.5°	7794.8	6478.1	2839.8	1410.6	1402.1	1404.9	1419.2	1385.0	1377.9	1360.8	1352.3
60°	6268.8	4896.6	1923.1	1302.4	1325.2	1343.7	1358.0	1323.8	1313.8	1311.0	1299.6
62.5°	4016.9	3012.0	1342.3	1201.4	1235.5	1258.3	1266.9	1234.1	1227.0	1249.8	1251.2
65°	2091.0	1641.2	1088.9	1093.2	1121.7	1155.8	1172.9	1161.5	1158.7	1182.9	1184.3
67.5°	1067.6	1003.5	949.4	965.1	987.9	1032.0	1071.9	1121.7	1138.8	1141.6	1143.0
70°	909.6	881.1	854.1	864.0	888.2	912.4	950.9	975.1	946.6	939.5	936.6
72.5°	774.4	753.0	740.2	751.6	764.4	760.1	748.7	760.1	764.4	765.8	767.2
75°	602.1	586.5	576.5	577.9	577.9	562.3	540.9	528.1	513.9	502.5	502.5
77.5°	368.7	371.5	381.5	380.1	378.6	372.9	351.6	340.2	306.0	296.1	296.1
80°	210.7	214.9	224.9	227.8	227.8	220.6	199.3	186.5	170.8	163.7	162.3
82.5°	128.1	133.8	139.5	142.3	143.8	135.2	116.7	106.8	98.2	91.1	91.1
85°	66.9	69.7	75.4	76.9	72.6	64.1	54.1	49.8	41.3	39.9	39.9
87.5°	18.5	19.9	22.8	18.5	17.1	12.8	7.1	5.7	2.8	1.4	1.4
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)