

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: P635586

Luminaire Tested: GWS-SA3E-722-U-T3R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635586
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T3R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14202.1 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

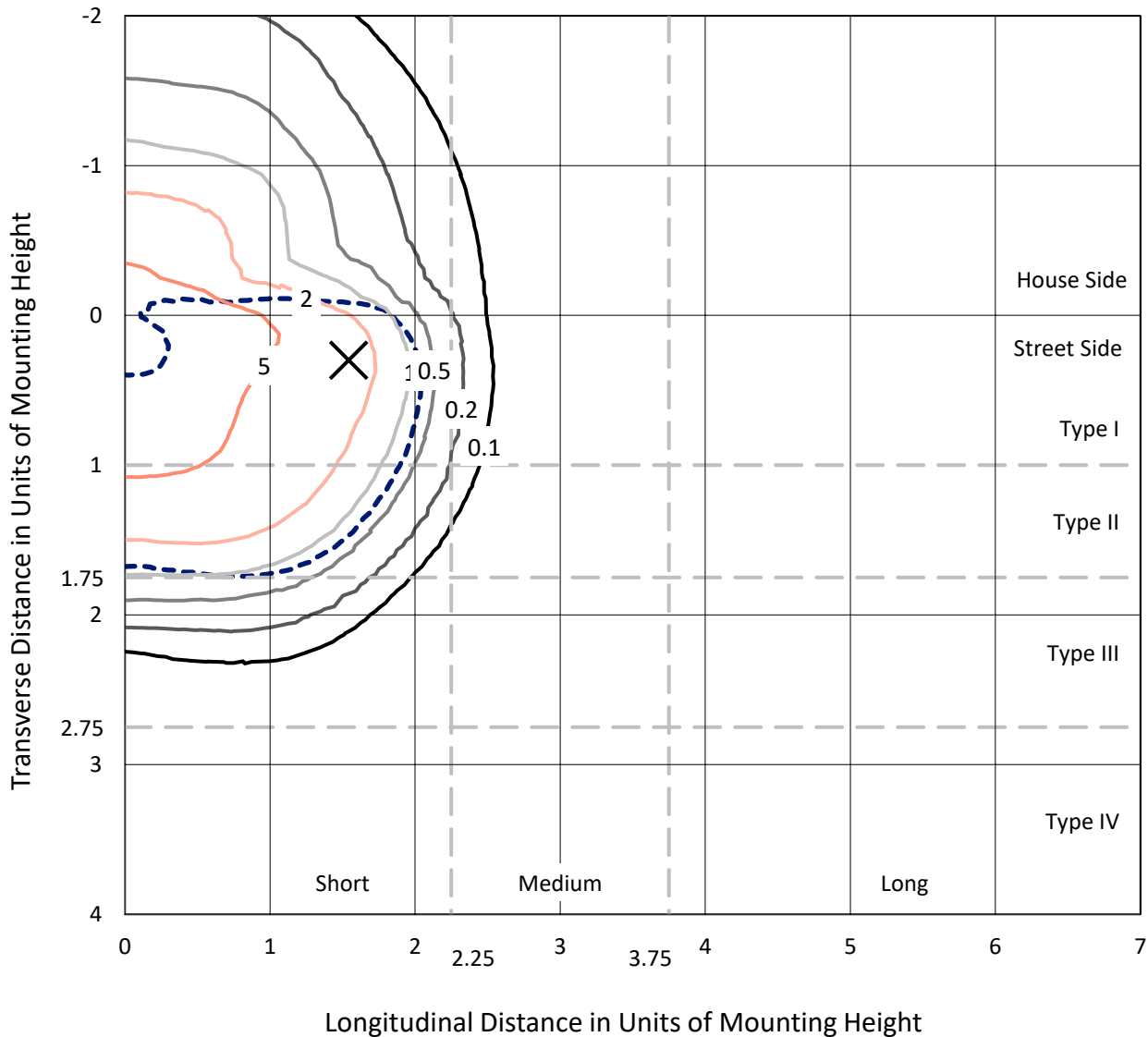
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

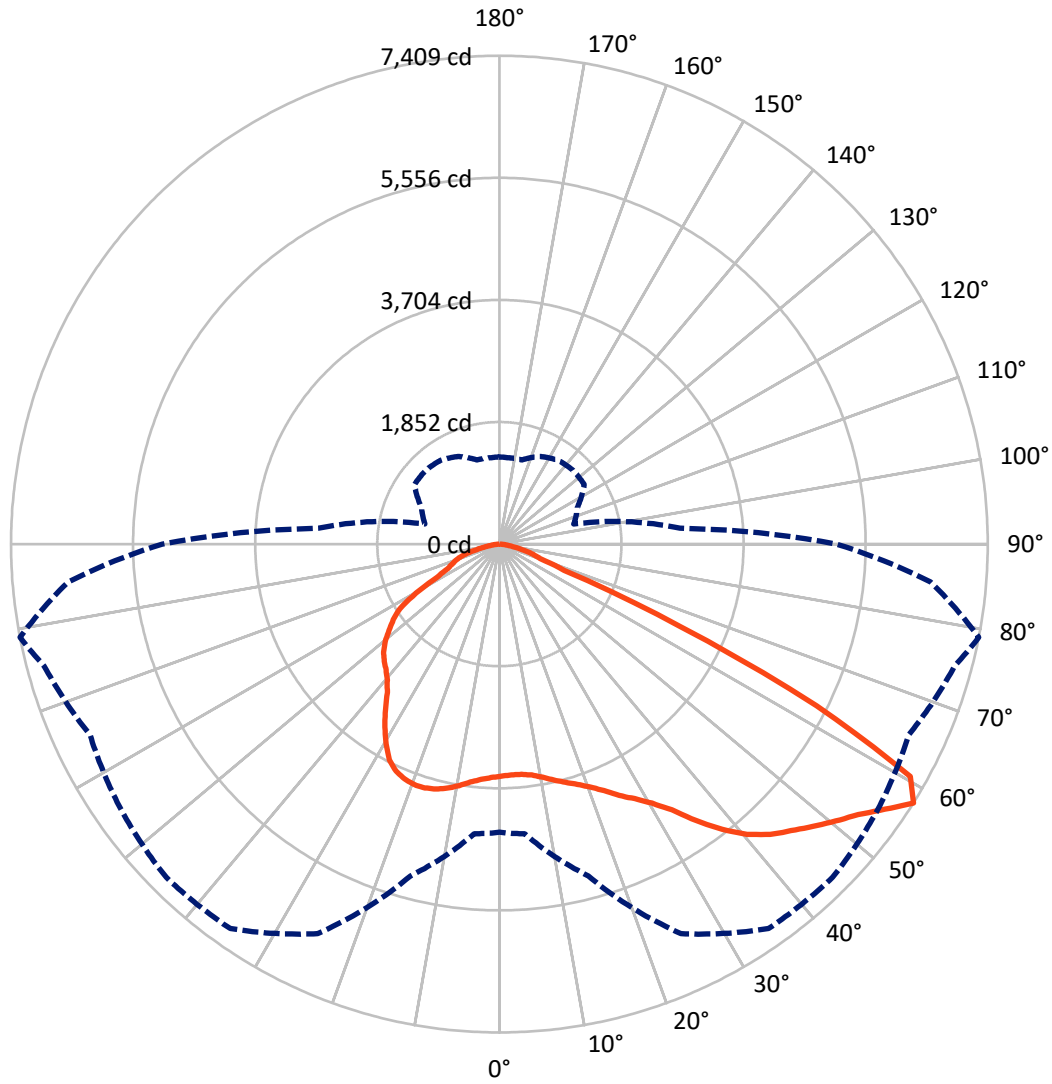
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 8.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4221.6	0.0	4221.6
	% Fixture	29.7	0.0	29.7
Street Side	Lumens	9980.5	0.0	9980.5
	% Fixture	70.3	0.0	70.3
Total	Lumens	14202.1	0.0	14202.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	325.9	2.3
10°-20°	905.8	6.4
20°-30°	1535.4	10.8
30°-40°	2350.1	16.5
40°-50°	3133.6	22.1
50°-60°	3619.1	25.5
60°-70°	1880.6	13.2
70°-80°	399.8	2.8
80°-90°	51.8	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°	14202.1	100.0
0°-180°	14202.1	100.0

Coefficient of Utilization



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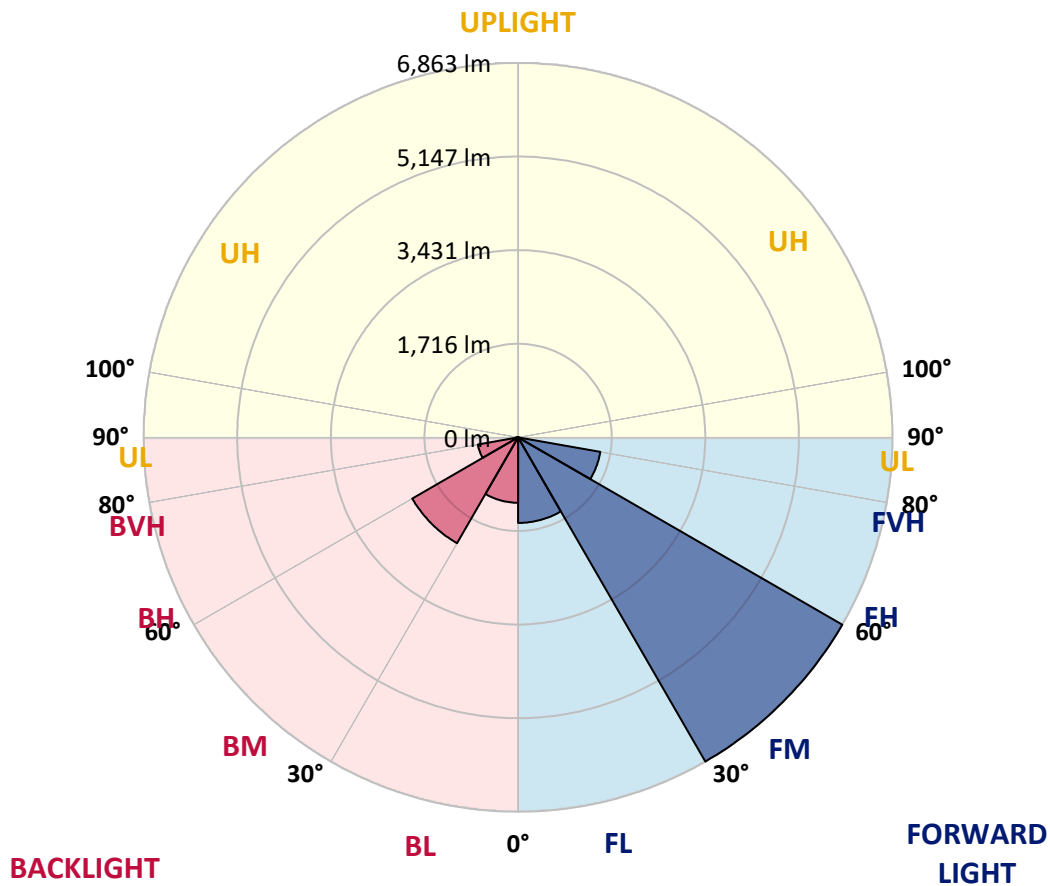
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1568.2	11.0			
FM (30°-60°)	6862.9	48.3			
FH (60°-80°)	1531.3	10.8			G1/1800
FVH (80°-90°)	18.1	0.1			G1/100
BL (0°-30°)	1198.9	8.4	B3/2500		
BM (30°-60°)	2240.0	15.8	B2/2500		
BH (60°-80°)	749.0	5.3	B2/1000		G2/1000
BVH (80°-90°)	33.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6
2.5°	3359.4	3352.4	3354.7	3364.0	3398.8	3424.4	3451.1	3475.5	3498.7	3505.7	3511.5
5°	3239.8	3227.0	3230.5	3245.6	3286.2	3329.2	3376.8	3434.8	3490.6	3509.2	3533.5
7.5°	3155.0	3152.7	3158.5	3181.7	3224.7	3265.3	3326.8	3409.3	3505.7	3537.0	3580.0
10°	3042.4	3037.7	3060.9	3108.5	3179.4	3244.4	3317.6	3415.1	3549.8	3596.2	3662.4
12.5°	2952.9	2950.6	2975.0	3041.2	3131.8	3235.1	3336.1	3445.3	3609.0	3672.9	3754.2
15°	3005.2	2994.7	2995.9	3042.4	3123.6	3245.6	3382.6	3499.9	3668.2	3749.5	3854.0
17.5°	3157.3	3138.7	3124.8	3132.9	3179.4	3305.9	3453.4	3573.0	3736.8	3832.0	3959.7
20°	3367.5	3357.0	3318.7	3293.2	3303.6	3415.1	3564.9	3676.4	3826.2	3933.0	4070.0
22.5°	3649.7	3624.1	3571.9	3531.2	3499.9	3587.0	3725.1	3821.5	3950.4	4061.9	4204.7
25°	3999.2	3962.0	3879.6	3815.7	3748.4	3837.8	3960.9	4034.0	4121.1	4224.5	4360.3
27.5°	4355.7	4324.3	4232.6	4146.7	4063.1	4118.8	4265.1	4306.9	4297.6	4373.1	4489.2
30°	4735.4	4695.9	4608.8	4515.9	4407.9	4443.9	4575.1	4596.0	4497.3	4560.0	4639.0
32.5°	5136.0	5097.7	5022.2	4914.2	4792.3	4806.2	4842.2	4862.0	4767.9	4803.9	4864.3
35°	5543.6	5507.6	5431.0	5324.1	5234.7	5149.9	5059.4	5138.3	5083.8	5153.4	5148.8
37.5°	5916.3	5880.3	5832.7	5750.3	5597.0	5429.8	5220.8	5318.3	5403.1	5491.3	5476.2
40°	6168.3	6143.9	6155.5	6142.8	5945.4	5614.4	5299.7	5406.6	5637.6	5788.6	5780.5
42.5°	6385.5	6361.1	6428.4	6477.2	6245.0	5785.1	5338.1	5440.2	5787.4	6023.2	6011.6
45°	6481.8	6474.9	6586.3	6740.8	6519.0	5966.3	5436.8	5509.9	5901.2	6203.2	6159.0
47.5°	6366.9	6391.3	6610.7	6872.0	6746.6	6181.1	5638.8	5657.4	6049.9	6398.2	6274.0
50°	6138.1	6191.5	6487.6	6875.5	6912.6	6423.8	5918.7	5872.2	6249.6	6606.1	6334.4
52.5°	5804.9	5860.6	6343.7	6848.8	7007.9	6704.8	6291.4	6225.2	6501.6	6813.9	6344.8
55°	5039.6	5115.1	6013.9	6788.4	7100.8	6960.3	6711.8	6577.1	6826.7	7099.6	6448.2
57.5°	4371.9	4411.4	5210.3	6520.2	7119.3	7148.4	7011.3	6851.1	7149.5	7408.5	6564.3
60°	3208.4	3217.7	3936.5	5395.0	6549.2	7039.2	6987.0	6748.9	6996.3	7161.1	6032.5
62.5°	1812.6	1813.8	2387.4	3600.9	4892.2	5737.5	5770.0	5559.8	5352.0	5400.8	4198.9
65°	680.5	744.3	1090.4	1769.7	2820.6	3387.2	3521.9	3570.7	3224.7	3009.8	2251.6
67.5°	455.2	470.3	636.3	910.4	1255.3	1449.2	1621.0	1625.7	1189.1	1060.2	887.2
70°	347.2	362.3	500.5	651.4	636.3	587.6	635.2	617.8	638.7	656.1	674.7
72.5°	258.9	274.0	387.8	459.8	382.0	376.2	426.2	473.8	517.9	536.5	565.5
75°	171.9	183.5	261.3	246.2	211.3	249.7	311.2	358.8	384.4	406.4	428.5
77.5°	109.2	117.3	139.3	112.6	117.3	146.3	181.1	224.1	248.5	270.6	282.2
80°	49.9	48.8	47.6	53.4	66.2	85.9	109.2	134.7	153.3	162.6	169.5
82.5°	19.7	22.1	24.4	29.0	36.0	46.4	61.5	79.0	94.1	96.4	102.2
85°	8.1	9.3	10.5	12.8	16.3	20.9	25.5	36.0	45.3	48.8	52.3
87.5°	0.0	0.0	0.0	0.0	1.2	2.3	3.5	5.8	10.5	11.6	12.8
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°	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6	3519.6
2.5°	3542.8	3527.7	3553.3	3570.7	3587.0	3569.5	3563.7	3548.6	3546.3	3546.3	3554.4
5°	3575.3	3564.9	3591.6	3602.1	3600.9	3562.6	3539.3	3509.2	3494.1	3494.1	3496.4
7.5°	3633.4	3627.6	3642.7	3626.4	3589.3	3511.5	3434.8	3371.0	3328.0	3305.9	3312.9
10°	3729.8	3722.8	3710.0	3649.7	3542.8	3381.4	3224.7	3108.5	3038.9	2999.4	3001.7
12.5°	3823.8	3812.2	3766.9	3633.4	3413.9	3157.3	2951.8	2821.7	2745.1	2698.6	2688.2
15°	3927.2	3897.0	3799.5	3549.8	3203.8	2883.3	2668.4	2527.9	2445.5	2417.6	2416.5
17.5°	4025.9	3972.5	3796.0	3401.2	2951.8	2596.5	2380.5	2293.4	2279.4	2292.2	2295.7
20°	4125.8	4039.8	3757.7	3195.6	2652.2	2310.8	2199.3	2235.3	2287.6	2322.4	2330.5
22.5°	4229.1	4095.6	3670.6	2930.9	2336.3	2118.0	2164.5	2243.4	2308.5	2354.9	2359.6
25°	4345.2	4147.8	3540.5	2606.9	2083.2	2064.6	2156.4	2240.0	2309.6	2363.0	2372.3
27.5°	4411.4	4149.0	3358.2	2273.6	1967.1	2043.7	2136.6	2215.6	2285.2	2343.3	2353.8
30°	4476.4	4117.6	3069.1	2003.1	1933.4	2019.3	2102.9	2176.1	2242.3	2299.2	2312.0
32.5°	4568.2	4088.6	2735.8	1847.5	1913.7	1996.1	2064.6	2129.6	2180.7	2206.3	2213.3
35°	4682.0	4051.4	2381.6	1780.1	1900.9	1977.5	2037.9	2072.7	2006.6	1992.6	2007.7
37.5°	4841.1	4016.6	2028.6	1751.1	1892.8	1970.6	2024.0	1934.6	1853.3	1820.8	1832.4
40°	5012.9	3996.9	1789.4	1727.9	1896.2	1977.5	1965.9	1833.5	1716.3	1647.7	1645.4
42.5°	5159.2	3966.7	1636.1	1712.8	1905.5	2004.2	1887.0	1744.1	1569.9	1529.3	1530.5
45°	5257.9	3890.0	1554.9	1696.5	1913.7	2010.0	1849.8	1621.0	1496.8	1471.2	1470.1
47.5°	5298.6	3750.7	1502.6	1671.0	1912.5	1962.4	1774.3	1569.9	1445.7	1438.7	1443.4
50°	5271.9	3521.9	1449.2	1621.0	1884.6	1912.5	1687.2	1524.7	1410.9	1449.2	1477.1
52.5°	5173.2	3225.8	1385.3	1552.5	1834.7	1855.6	1643.1	1496.8	1385.3	1436.4	1458.5
55°	5147.6	2985.5	1304.0	1463.1	1760.4	1754.6	1596.7	1482.9	1367.9	1348.2	1351.6
57.5°	5113.9	2750.9	1169.3	1302.9	1572.3	1581.6	1552.5	1466.6	1322.6	1316.8	1322.6
60°	4442.8	2108.7	1042.8	1124.0	1291.3	1341.2	1502.6	1436.4	1249.5	1225.1	1223.9
62.5°	2901.8	1277.3	927.8	980.1	1052.1	1110.1	1370.2	1349.3	1169.3	1154.2	1164.7
65°	1560.7	910.4	844.2	875.5	915.0	959.2	1135.7	1201.8	1056.7	1003.3	1004.4
67.5°	797.7	774.5	781.5	803.6	833.7	855.8	916.2	974.2	901.1	855.8	854.6
70°	682.8	701.4	711.8	724.6	744.3	740.8	746.7	757.1	751.3	729.2	728.1
72.5°	581.8	610.8	613.1	615.4	622.4	606.1	595.7	578.3	579.4	582.9	584.1
75°	442.4	470.3	477.3	473.8	480.7	459.8	445.9	428.5	407.6	404.1	406.4
77.5°	288.0	310.0	320.5	318.2	321.7	305.4	298.4	279.9	255.5	246.2	246.2
80°	174.2	187.0	195.1	197.4	200.9	189.3	177.7	161.4	151.0	140.5	140.5
82.5°	105.7	113.8	119.6	119.6	123.1	110.3	101.0	89.4	84.8	75.5	75.5
85°	53.4	59.2	61.5	60.4	58.1	47.6	44.1	38.3	36.0	31.4	31.4
87.5°	12.8	16.3	16.3	11.6	11.6	5.8	3.5	1.2	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)