

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: P635857

Luminaire Tested: GWS-SA3E-750-U-T3-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635857  
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-SA3E-750-U-T3-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

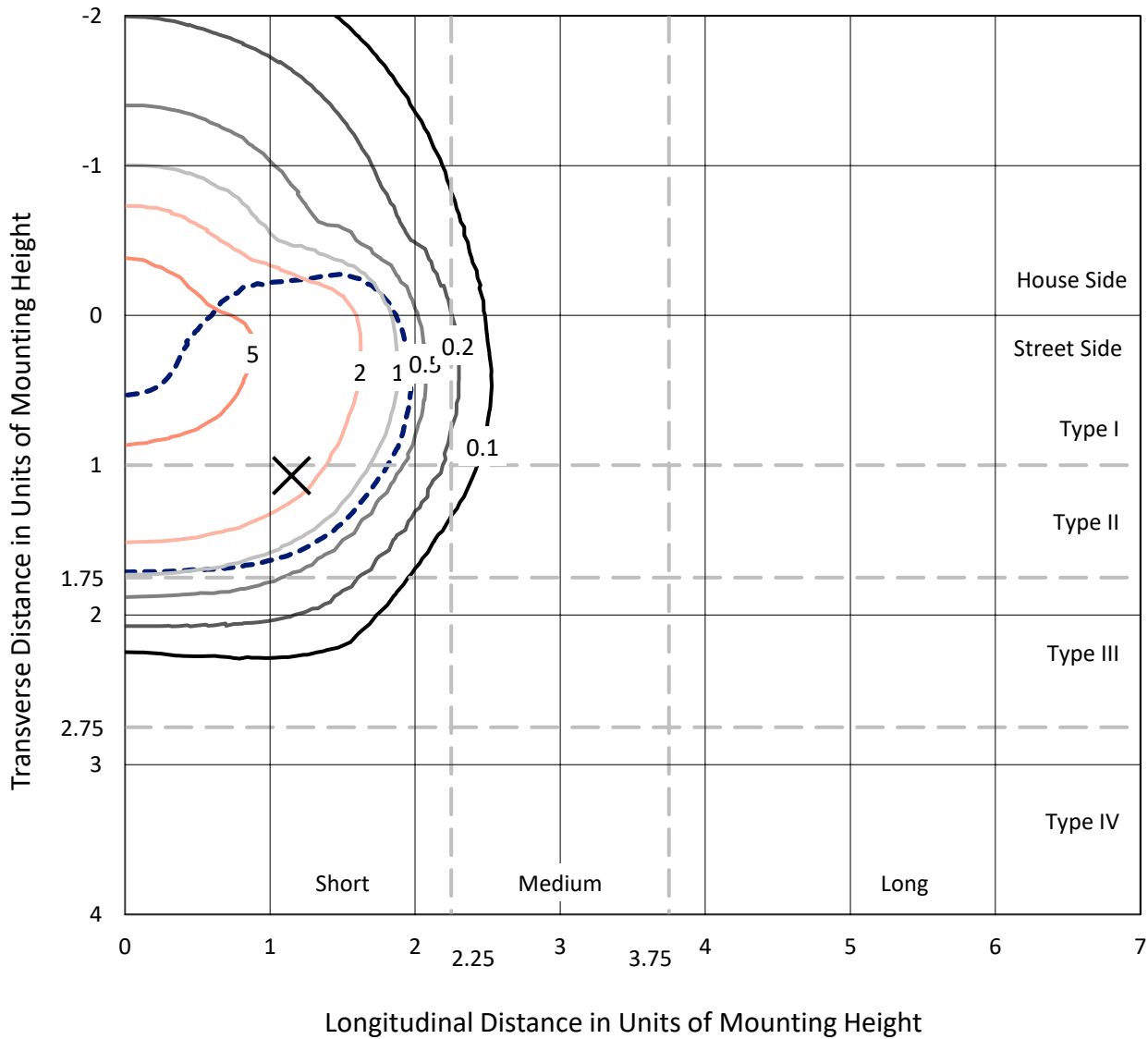
Lumens per Lamp: N/A  
Luminaire Lumens: 19200.1 lumens  
Efficiency: N/A  
Efficacy: 120.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 159.2  
Input Voltage (V): 120  
Input Current (Ain): 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

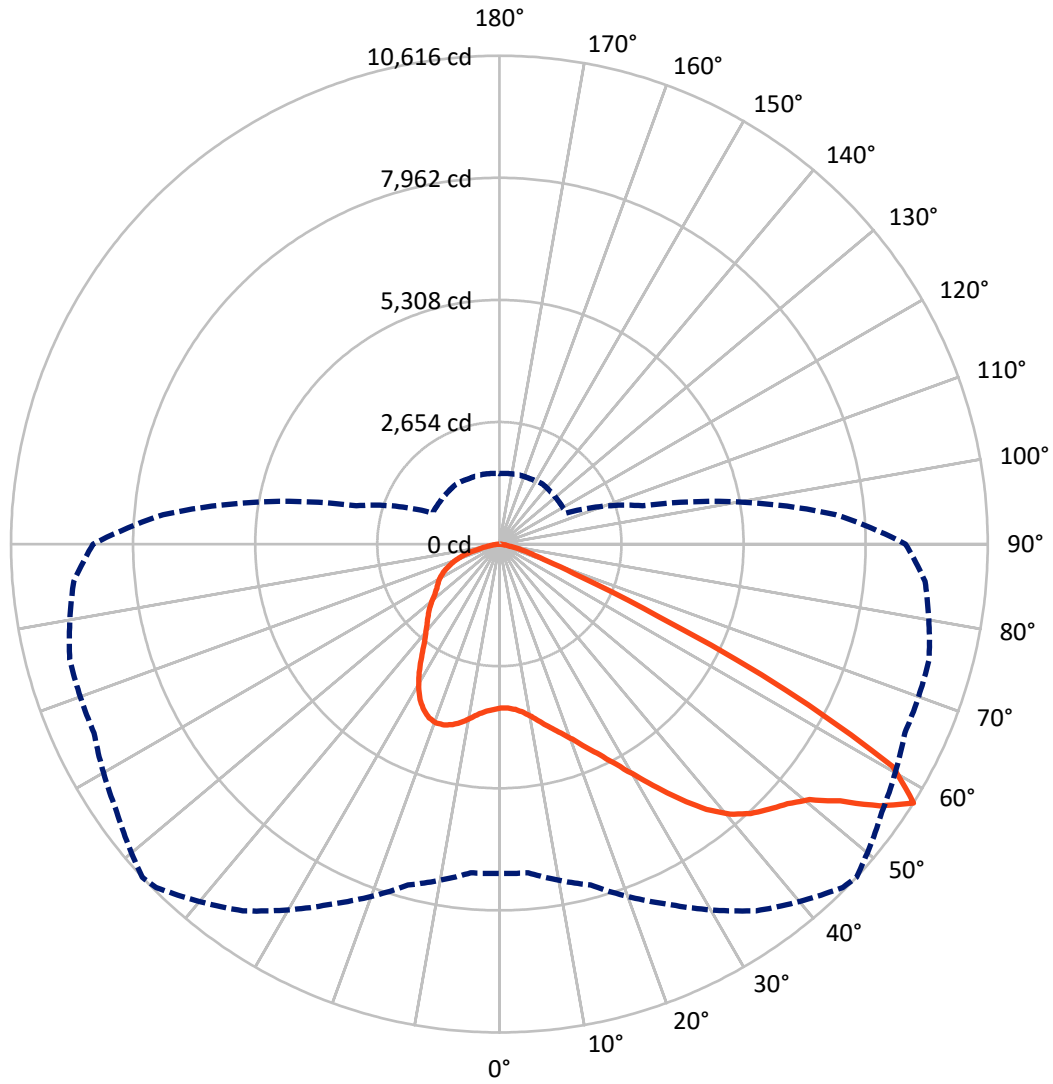
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6076.8	0.0	6076.8
	% Fixture	31.6	0.0	31.6
<b>Street Side</b>	Lumens	13123.3	0.0	13123.3
	% Fixture	68.4	0.0	68.4
<b>Total</b>	Lumens	19200.1	0.0	19200.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.2	1.8
10°-20°	1155.1	6.0
20°-30°	2079.9	10.8
30°-40°	3141.4	16.4
40°-50°	4230.3	22.0
50°-60°	5083.3	26.5
60°-70°	2475.7	12.9
70°-80°	609.9	3.2
80°-90°	73.3	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°	19200.1	100.0
0°-180°	19200.1	100.0

**Coefficient of Utilization**



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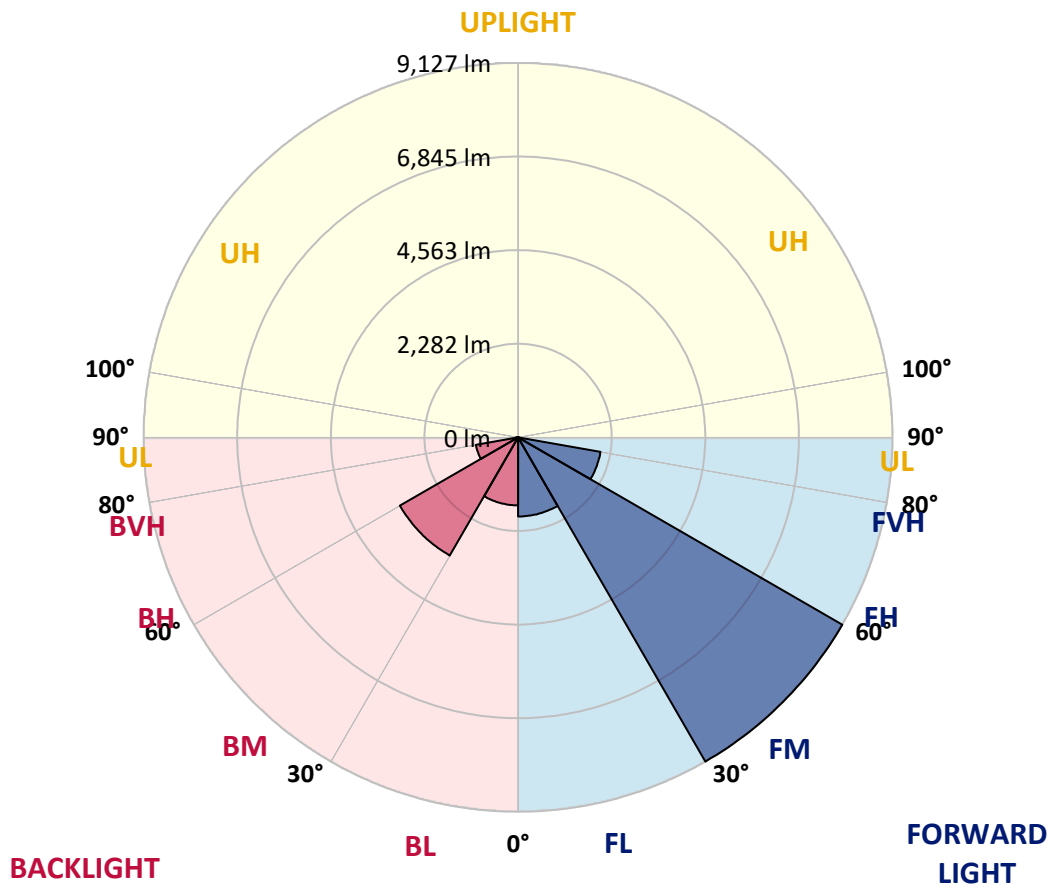
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1928.6	10.0			
FM (30°-60°)	9126.8	47.5			
FH (60°-80°)	2040.4	10.6			G2/5000
FVH (80°-90°)	27.6	0.1			G1/100
BL (0°-30°)	1657.6	8.6	B3/2500		
BM (30°-60°)	3328.2	17.3	B3/5000		
BH (60°-80°)	1045.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	45.8	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-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7
2.5°	3554.2	3552.6	3552.6	3562.3	3562.3	3565.5	3570.4	3575.2	3576.8	3568.7	3551.0
5°	3592.9	3592.9	3592.9	3601.0	3601.0	3604.2	3610.7	3612.3	3610.7	3597.8	3580.0
7.5°	3654.2	3654.2	3655.8	3665.5	3673.6	3678.4	3689.7	3688.1	3683.2	3662.3	3639.7
10°	3754.2	3759.0	3763.9	3775.2	3791.3	3802.6	3810.6	3810.6	3804.2	3771.9	3742.9
12.5°	3896.1	3902.6	3907.4	3917.1	3930.0	3949.3	3967.1	3967.1	3959.0	3918.7	3875.1
15°	4062.2	4068.7	4067.1	4070.3	4094.5	4121.9	4136.4	4146.1	4149.3	4092.9	4025.1
17.5°	4252.5	4259.0	4252.5	4242.8	4246.1	4289.6	4315.4	4350.9	4371.8	4296.0	4188.0
20°	4425.1	4418.6	4418.6	4425.1	4434.7	4487.9	4526.7	4584.7	4610.5	4518.6	4350.9
22.5°	4607.3	4621.8	4615.3	4615.3	4654.0	4742.7	4789.5	4865.3	4892.7	4773.4	4547.6
25°	4842.7	4855.6	4852.4	4855.6	4900.8	5026.6	5073.3	5213.6	5241.0	5070.1	4765.3
27.5°	5100.7	5121.7	5131.4	5128.2	5200.7	5365.2	5423.3	5618.4	5668.4	5402.3	4997.5
30°	5436.2	5458.8	5466.8	5463.6	5549.1	5773.2	5839.3	6061.9	6132.8	5795.8	5292.7
32.5°	5824.8	5847.4	5871.6	5881.3	5990.9	6219.9	6315.1	6545.7	6647.3	6250.6	5649.0
35°	6210.2	6229.6	6276.4	6352.1	6502.1	6736.0	6819.8	7047.2	7145.6	6723.1	6079.6
37.5°	6636.0	6648.9	6689.2	6794.0	7010.1	7232.6	7316.5	7534.2	7545.5	7179.4	6566.6
40°	7102.0	7102.0	7094.0	7197.2	7422.9	7647.1	7719.7	7845.4	7779.3	7531.0	7040.7
42.5°	7497.1	7490.7	7497.1	7593.9	7761.6	7943.8	8006.7	7982.5	7898.7	7800.3	7469.7
45°	7853.5	7858.3	7916.4	7990.6	8077.7	8185.7	8222.8	8085.7	8009.9	8016.4	7813.2
47.5°	8095.4	8100.2	8235.7	8359.9	8413.1	8447.0	8430.8	8240.5	8201.8	8274.4	8077.7
50°	8127.7	8153.5	8387.3	8642.1	8774.3	8779.2	8734.0	8501.8	8490.5	8572.7	8219.6
52.5°	8134.1	8159.9	8451.8	8911.4	9254.9	9327.4	9275.8	9034.0	8916.2	8834.0	8393.7
55°	8109.9	8138.9	8461.5	9092.0	9750.0	10040.2	10045.1	9703.2	9327.4	9272.6	8890.4
57.5°	7160.1	7171.4	7671.3	8632.4	9730.6	10553.0	10615.9	10151.5	9722.5	9670.9	9288.7
60°	4987.9	5033.0	5576.5	6845.6	8174.4	9624.2	9827.4	9691.9	9404.9	9029.1	7969.6
62.5°	2498.0	2536.7	3081.7	4281.5	5637.8	6782.7	7000.4	7143.9	7211.7	6808.5	5426.5
65°	1075.6	1104.7	1443.3	2236.7	3191.4	3744.5	3820.3	3992.9	4415.4	3939.7	2923.7
67.5°	719.2	738.6	911.1	1364.3	1880.3	1915.8	1904.5	1941.6	2033.5	1678.7	1320.7
70°	551.5	567.6	683.8	999.8	1351.4	1156.3	1095.0	993.4	1078.8	1099.8	1070.8
72.5°	399.9	412.8	499.9	682.1	846.6	738.6	728.9	780.5	896.6	928.9	911.1
75°	258.0	264.5	317.7	374.1	437.0	474.1	493.5	587.0	704.7	728.9	707.9
77.5°	172.6	177.4	208.0	240.3	248.3	250.0	256.4	298.3	379.0	424.1	419.3
80°	90.3	90.3	101.6	101.6	116.1	138.7	145.1	172.6	209.6	232.2	233.8
82.5°	35.5	37.1	43.5	48.4	58.1	71.0	75.8	90.3	109.7	125.8	140.3
85°	14.5	16.1	17.7	21.0	25.8	32.3	33.9	38.7	51.6	64.5	72.6
87.5°	0.0	0.0	1.6	1.6	3.2	4.8	4.8	6.5	8.1	14.5	19.4
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°	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7	3560.7
2.5°	3572.0	3551.0	3572.0	3578.4	3596.2	3602.6	3591.3	3589.7	3589.7	3573.6	3568.7
5°	3596.2	3576.8	3597.8	3607.5	3633.3	3649.4	3652.6	3665.5	3673.6	3667.1	3665.5
7.5°	3655.8	3631.6	3654.2	3668.7	3702.6	3728.4	3739.7	3768.7	3789.7	3786.5	3784.8
10°	3760.7	3728.4	3754.2	3778.4	3815.5	3846.1	3847.7	3863.9	3884.8	3878.4	3875.1
12.5°	3881.6	3851.0	3880.0	3904.2	3947.7	3960.6	3939.7	3933.2	3936.4	3928.4	3921.9
15°	4030.0	3986.4	4012.2	4039.6	4063.8	4049.3	4004.2	3986.4	3984.8	3973.5	3967.1
17.5°	4178.3	4123.5	4142.8	4157.4	4146.1	4100.9	4044.5	4013.8	3999.3	3976.7	3970.3
20°	4325.1	4255.7	4252.5	4241.2	4189.6	4107.4	4031.6	3970.3	3933.2	3902.6	3891.3
22.5°	4492.8	4396.0	4347.6	4296.0	4183.2	4049.3	3934.8	3847.7	3788.1	3749.4	3736.5
25°	4673.4	4536.3	4436.3	4333.1	4118.7	3925.1	3765.5	3646.2	3575.2	3533.3	3518.8
27.5°	4852.4	4663.7	4513.8	4338.0	3989.6	3746.1	3531.7	3370.4	3299.4	3265.6	3254.3
30°	5094.3	4833.1	4605.7	4275.1	3820.3	3497.8	3230.1	3067.2	3020.5	2996.3	2986.6
32.5°	5373.3	5047.5	4728.2	4142.8	3604.2	3207.5	2925.3	2812.4	2780.2	2733.4	2731.8
35°	5741.0	5353.9	4844.3	3947.7	3331.7	2896.3	2691.5	2610.8	2552.8	2478.6	2472.2
37.5°	6169.9	5736.1	4907.2	3699.4	3014.0	2639.9	2517.3	2427.0	2333.5	2235.1	2222.2
40°	6613.4	6182.8	4912.1	3405.9	2702.8	2470.5	2367.3	2249.6	2133.5	2023.9	2009.3
42.5°	7079.4	6598.9	4826.6	3067.2	2448.0	2323.8	2219.0	2070.6	1940.0	1865.8	1857.7
45°	7495.5	6934.3	4633.1	2710.8	2259.3	2201.2	2067.4	1907.7	1838.4	1785.2	1773.9
47.5°	7822.9	7156.9	4371.8	2391.5	2106.1	2075.5	1901.3	1819.0	1765.8	1717.5	1706.2
50°	7984.1	7206.8	4031.6	2131.9	1964.2	1927.1	1807.8	1744.9	1709.4	1670.7	1661.0
52.5°	8184.1	7263.3	3738.1	1914.2	1825.5	1775.5	1730.4	1680.4	1654.6	1630.4	1622.3
55°	8643.7	7476.2	3583.3	1740.0	1693.3	1670.7	1664.2	1622.3	1614.2	1598.1	1583.6
57.5°	8830.8	7339.1	3217.2	1598.1	1588.4	1591.7	1607.8	1569.1	1561.0	1541.7	1532.0
60°	7102.0	5547.4	2178.7	1475.6	1501.4	1522.3	1538.4	1499.7	1488.5	1485.2	1472.3
62.5°	4550.8	3412.3	1520.7	1361.1	1399.8	1425.6	1435.2	1398.1	1390.1	1415.9	1417.5
65°	2369.0	1859.4	1233.7	1238.5	1270.8	1309.5	1328.8	1315.9	1312.7	1340.1	1341.7
67.5°	1209.5	1136.9	1075.6	1093.4	1119.2	1169.2	1214.3	1270.8	1290.1	1293.3	1294.9
70°	1030.5	998.2	967.6	978.9	1006.3	1033.7	1077.2	1104.7	1072.4	1064.3	1061.1
72.5°	877.3	853.1	838.6	851.5	866.0	861.1	848.2	861.1	866.0	867.6	869.2
75°	682.1	664.4	653.1	654.7	654.7	637.0	612.8	598.3	582.2	569.3	569.3
77.5°	417.7	420.9	432.2	430.6	429.0	422.5	398.3	385.4	346.7	335.4	335.4
80°	238.7	243.5	254.8	258.0	258.0	250.0	225.8	211.3	193.5	185.5	183.8
82.5°	145.1	151.6	158.0	161.3	162.9	153.2	132.2	120.9	111.3	103.2	103.2
85°	75.8	79.0	85.5	87.1	82.2	72.6	61.3	56.4	46.8	45.2	45.2
87.5°	21.0	22.6	25.8	21.0	19.4	14.5	8.1	6.5	3.2	1.6	1.6
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)