

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: P642980

Luminaire Tested: GWS-SA6E-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642980
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-722-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28083.9 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

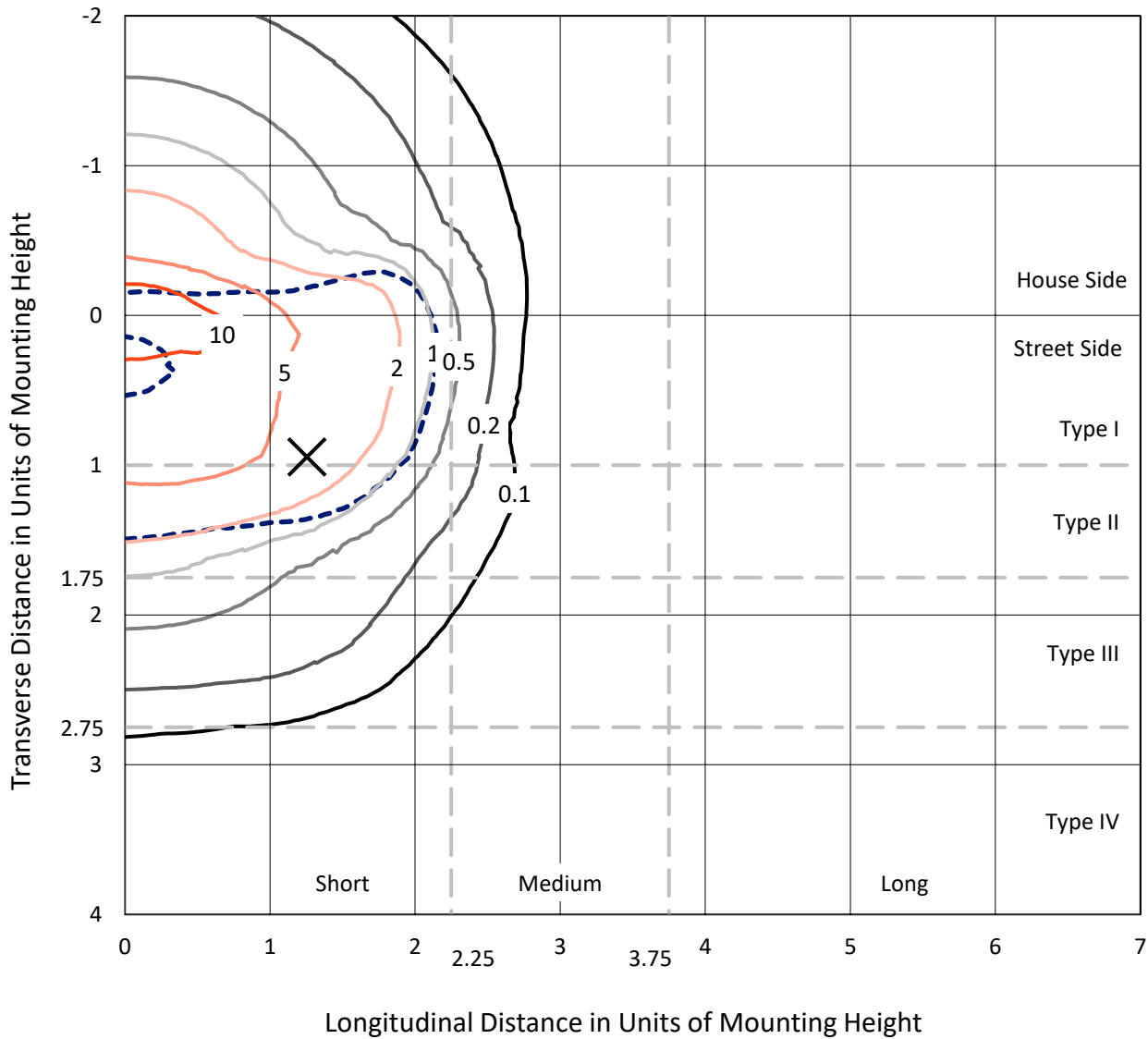
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

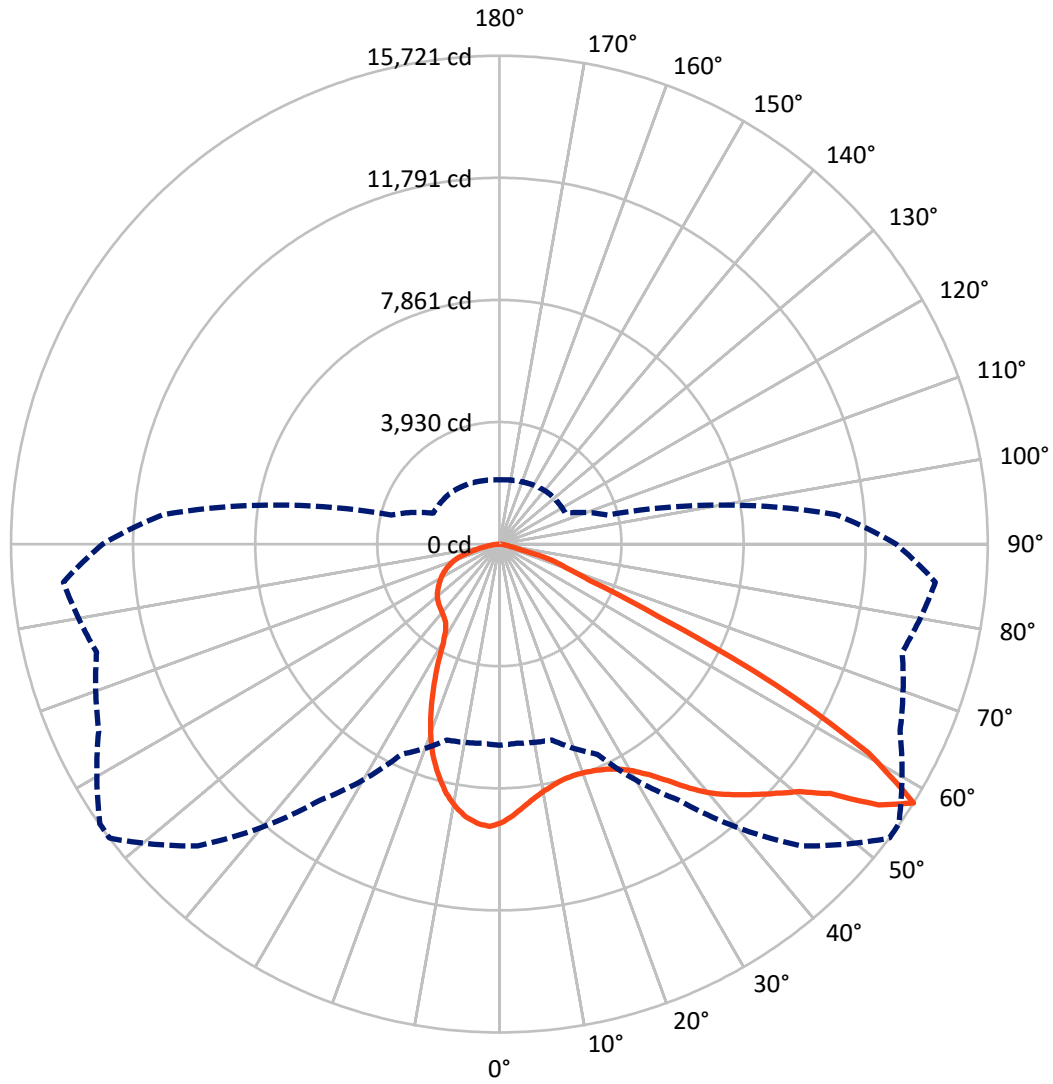
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8780.8	0.0	8780.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	19303.1	0.0	19303.1
	% Fixture	68.7	0.0	68.7
Total	Lumens	28083.9	0.0	28083.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	811.0	2.9
10°-20°	2127.6	7.6
20°-30°	3134.7	11.2
30°-40°	4387.8	15.6
40°-50°	5768.1	20.5
50°-60°	6763.1	24.1
60°-70°	3984.2	14.2
70°-80°	991.1	3.5
80°-90°	116.3	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°	28083.9	100.0
0°-180°	28083.9	100.0

Coefficient of Utilization



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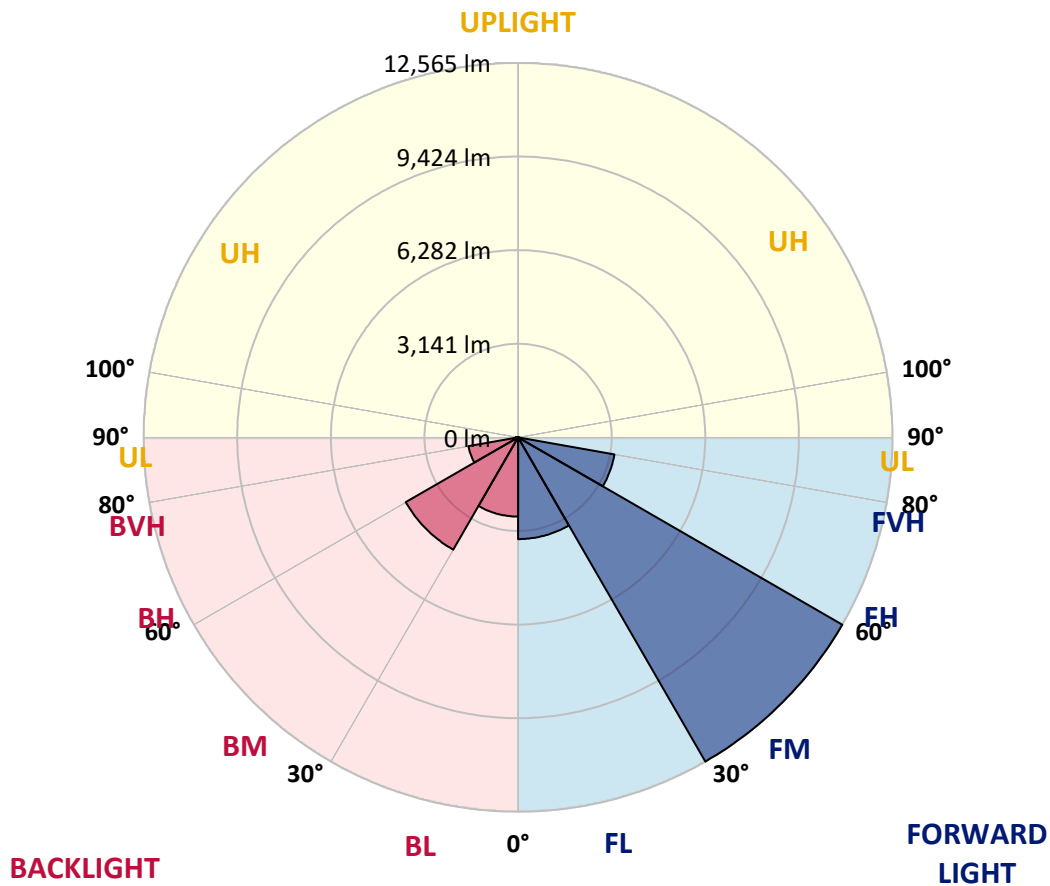
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3414.4	12.2			
FM (30°-60°)	12565.0	44.7			
FH (60°-80°)	3284.7	11.7			G2/5000
FVH (80°-90°)	38.9	0.1			G1/100
BL (0°-30°)	2658.9	9.5	B4/5000		
BM (30°-60°)	4354.0	15.5	B3/5000		
BH (60°-80°)	1690.6	6.0	B3/2500		G3/2500
BVH (80°-90°)	77.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9
2.5°	8452.7	8476.3	8481.0	8554.3	8559.0	8665.4	8736.3	8722.1	8795.4	8885.2	8956.1
5°	8048.5	8050.8	8074.5	8161.9	8209.2	8348.7	8466.8	8466.8	8608.7	8793.0	8951.4
7.5°	7715.2	7712.8	7734.1	7831.0	7909.0	8076.8	8237.6	8256.5	8455.0	8724.5	8982.1
10°	7405.5	7422.1	7445.7	7563.9	7663.2	7871.2	8062.6	8093.4	8343.9	8677.2	9024.7
12.5°	7207.0	7209.3	7244.8	7377.2	7504.8	7727.0	7927.9	7965.7	8254.1	8632.3	9055.4
15°	7079.3	7081.7	7119.5	7266.1	7415.0	7639.5	7845.2	7887.7	8202.1	8625.2	9114.5
17.5°	7022.6	7020.2	7055.7	7202.3	7365.3	7599.4	7819.2	7871.2	8225.7	8679.6	9218.5
20°	7022.6	7025.0	7043.9	7176.2	7341.7	7589.9	7845.2	7909.0	8317.9	8802.5	9379.2
22.5°	7121.9	7131.3	7140.8	7230.6	7360.6	7604.1	7913.7	7998.8	8516.5	9008.1	9589.6
25°	7315.7	7318.1	7327.5	7400.8	7459.9	7644.3	8027.2	8154.8	8826.1	9308.3	9854.3
27.5°	7575.7	7608.8	7618.3	7665.5	7665.5	7743.5	8204.5	8388.8	9244.5	9740.9	10192.4
30°	7939.7	7951.5	7968.1	8020.1	7963.4	7930.3	8464.5	8700.8	9729.1	10263.3	10598.9
32.5°	8258.8	8284.8	8374.7	8459.7	8358.1	8254.1	8847.4	9126.3	10194.7	10806.9	11031.5
35°	8530.7	8594.5	8767.0	8956.1	8885.2	8781.2	9355.6	9646.3	10577.6	11196.9	11414.4
37.5°	8859.2	8908.9	9145.2	9452.5	9516.3	9466.7	9974.9	10182.9	10832.9	11296.2	11622.4
40°	9192.5	9268.1	9573.1	9998.5	10242.0	10277.4	10546.9	10686.4	10920.4	11102.4	11582.2
42.5°	9532.9	9662.9	10081.3	10577.6	11010.2	11090.6	11029.1	11088.2	10892.0	10835.3	11395.5
45°	9948.9	10102.5	10575.3	11208.8	11778.4	11903.7	11501.9	11447.5	10887.3	10733.6	11279.7
47.5°	10440.5	10594.2	11045.7	11783.1	12511.2	12603.3	11986.4	11887.1	11052.7	10889.7	11435.7
50°	10875.5	10981.8	11386.0	12211.0	13194.3	13248.6	12520.6	12400.1	11464.0	11322.2	11922.6
52.5°	10433.5	10421.6	10847.1	11863.5	13548.8	14203.6	13343.2	13227.4	12258.2	12040.8	12676.6
55°	8852.1	8717.4	9098.0	10097.8	12558.4	15052.2	14818.2	14586.5	13317.2	12764.1	13383.4
57.5°	6471.9	6434.0	6526.2	7464.6	10060.0	13737.9	15721.1	15699.8	14231.9	13425.9	14087.8
60°	5060.7	5004.0	4758.2	4784.2	6857.1	10731.3	13643.4	14269.8	14799.2	13823.0	14579.4
62.5°	4493.4	4450.9	4323.2	3971.0	4084.5	7195.2	10000.9	10575.3	12931.9	12208.6	12523.0
65°	3720.5	3708.7	3815.0	3800.9	3422.7	3973.4	5644.6	6223.7	8131.2	8232.8	8131.2
67.5°	2704.1	2682.8	2952.3	3484.1	3295.0	2999.6	3146.1	3347.0	4169.6	3744.1	3370.7
70°	1758.6	1727.9	1883.9	2517.4	2949.9	2614.3	2266.8	2233.7	2292.8	1425.3	1541.1
72.5°	1179.5	1144.0	1141.7	1385.1	1782.2	1761.0	1756.2	1739.7	1553.0	1125.1	1248.0
75°	657.1	628.7	621.7	598.0	638.2	650.0	692.6	716.2	775.3	853.3	945.5
77.5°	111.1	108.7	137.1	174.9	241.1	309.6	382.9	404.2	498.7	590.9	650.0
80°	61.5	63.8	82.7	101.6	134.7	184.4	236.4	250.6	307.3	356.9	404.2
82.5°	33.1	33.1	42.5	54.4	73.3	96.9	127.6	139.5	177.3	208.0	241.1
85°	11.8	11.8	16.5	21.3	30.7	40.2	49.6	56.7	78.0	106.4	120.5
87.5°	0.0	0.0	0.0	0.0	2.4	4.7	9.5	9.5	11.8	21.3	30.7
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°	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9	8967.9
2.5°	9015.2	8951.4	9038.9	9079.0	9093.2	9102.7	9041.2	8998.7	8984.5	8939.6	8913.6
5°	9048.3	9005.8	9088.5	9088.5	9029.4	8967.9	8842.7	8755.2	8693.8	8620.5	8608.7
7.5°	9105.0	9074.3	9119.2	9027.0	8878.1	8712.7	8495.2	8325.0	8187.9	8098.1	8100.5
10°	9180.7	9142.9	9107.4	8901.8	8629.9	8325.0	7991.7	7743.5	7516.6	7412.6	7355.9
12.5°	9230.3	9176.0	9027.0	8686.7	8287.2	7878.3	7407.9	7039.2	6710.6	6561.7	6549.9
15°	9291.8	9192.5	8894.7	8407.7	7852.3	7294.4	6689.3	6176.4	5732.0	5500.4	5488.6
17.5°	9372.1	9209.0	8736.3	8088.6	7393.7	6571.1	5810.0	5164.7	4692.0	4512.3	4543.1
20°	9485.6	9228.0	8556.7	7734.1	6824.1	5748.6	4800.7	4207.4	4025.4	4013.6	3990.0
22.5°	9613.2	9239.8	8358.1	7337.0	6133.8	4871.6	3966.3	3713.4	3711.0	3770.1	3784.3
25°	9757.4	9249.2	8133.6	6873.7	5386.9	3997.0	3507.8	3432.1	3491.2	3602.3	3616.5
27.5°	9941.8	9268.1	7861.7	6365.5	4592.7	3453.4	3254.8	3235.9	3306.8	3410.8	3406.1
30°	10213.6	9336.7	7573.4	5781.7	3777.2	3195.7	3101.2	3103.6	3131.9	3181.6	3188.7
32.5°	10490.2	9443.1	7292.1	5124.5	3309.2	3049.2	3006.6	3001.9	3001.9	3023.2	3027.9
35°	10752.6	9563.6	6987.2	4439.1	3082.3	2964.1	2935.7	2921.6	2914.5	2909.7	2902.6
37.5°	10899.1	9622.7	6689.3	3763.0	2961.7	2907.4	2879.0	2860.1	2834.1	2815.2	2810.5
40°	10835.3	9554.2	6344.2	3257.2	2888.5	2853.0	2819.9	2793.9	2758.5	2741.9	2732.5
42.5°	10622.6	9341.4	5968.4	3018.5	2829.4	2793.9	2753.7	2711.2	2687.5	2673.4	2671.0
45°	10398.0	9083.8	5514.6	2879.0	2772.6	2730.1	2682.8	2635.5	2609.5	2602.5	2600.1
47.5°	10390.9	8956.1	5032.4	2767.9	2704.1	2661.5	2602.5	2555.2	2526.8	2517.4	2507.9
50°	10702.9	9086.1	4488.7	2671.0	2633.2	2588.3	2522.1	2470.1	2434.6	2422.8	2420.4
52.5°	11350.6	9575.4	4001.8	2574.1	2538.6	2486.6	2432.3	2380.3	2337.7	2316.4	2314.1
55°	12050.2	10197.1	3699.2	2474.8	2427.5	2382.6	2333.0	2276.3	2229.0	2195.9	2191.2
57.5°	12773.5	10875.5	3607.0	2349.5	2314.1	2283.4	2224.3	2162.8	2108.4	2077.7	2070.6
60°	13369.2	11459.3	3779.6	2217.2	2198.3	2158.1	2103.7	2044.6	2006.8	1983.2	1978.4
62.5°	11192.2	9329.6	3051.6	2073.0	2073.0	2030.4	1969.0	1926.4	1900.4	1883.9	1879.2
65°	7103.0	5776.9	2082.4	1928.8	1926.4	1869.7	1817.7	1789.3	1777.5	1751.5	1746.8
67.5°	3094.1	2640.3	1779.9	1782.2	1772.8	1711.3	1659.3	1638.1	1614.4	1586.1	1583.7
70°	1605.0	1635.7	1593.1	1619.1	1602.6	1529.3	1479.7	1446.6	1397.0	1368.6	1371.0
72.5°	1295.3	1328.4	1375.7	1415.9	1380.4	1321.3	1243.3	1203.1	1139.3	1108.6	1110.9
75°	988.0	1023.5	1068.4	1110.9	1082.6	1009.3	959.7	919.5	846.2	810.8	817.8
77.5°	680.8	699.7	754.0	751.7	742.2	720.9	647.7	600.4	524.7	482.2	486.9
80°	423.1	434.9	460.9	472.7	468.0	439.7	380.6	345.1	300.2	274.2	276.6
82.5°	255.3	262.4	286.0	288.4	286.0	264.7	219.8	193.8	165.5	151.3	151.3
85°	130.0	134.7	148.9	148.9	134.7	113.5	101.6	89.8	73.3	66.2	66.2
87.5°	35.5	35.5	44.9	37.8	30.7	28.4	14.2	11.8	4.7	2.4	2.4
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)