

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: P641994

Luminaire Tested: GWS-SA6C-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-722-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III 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: 17515.6 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

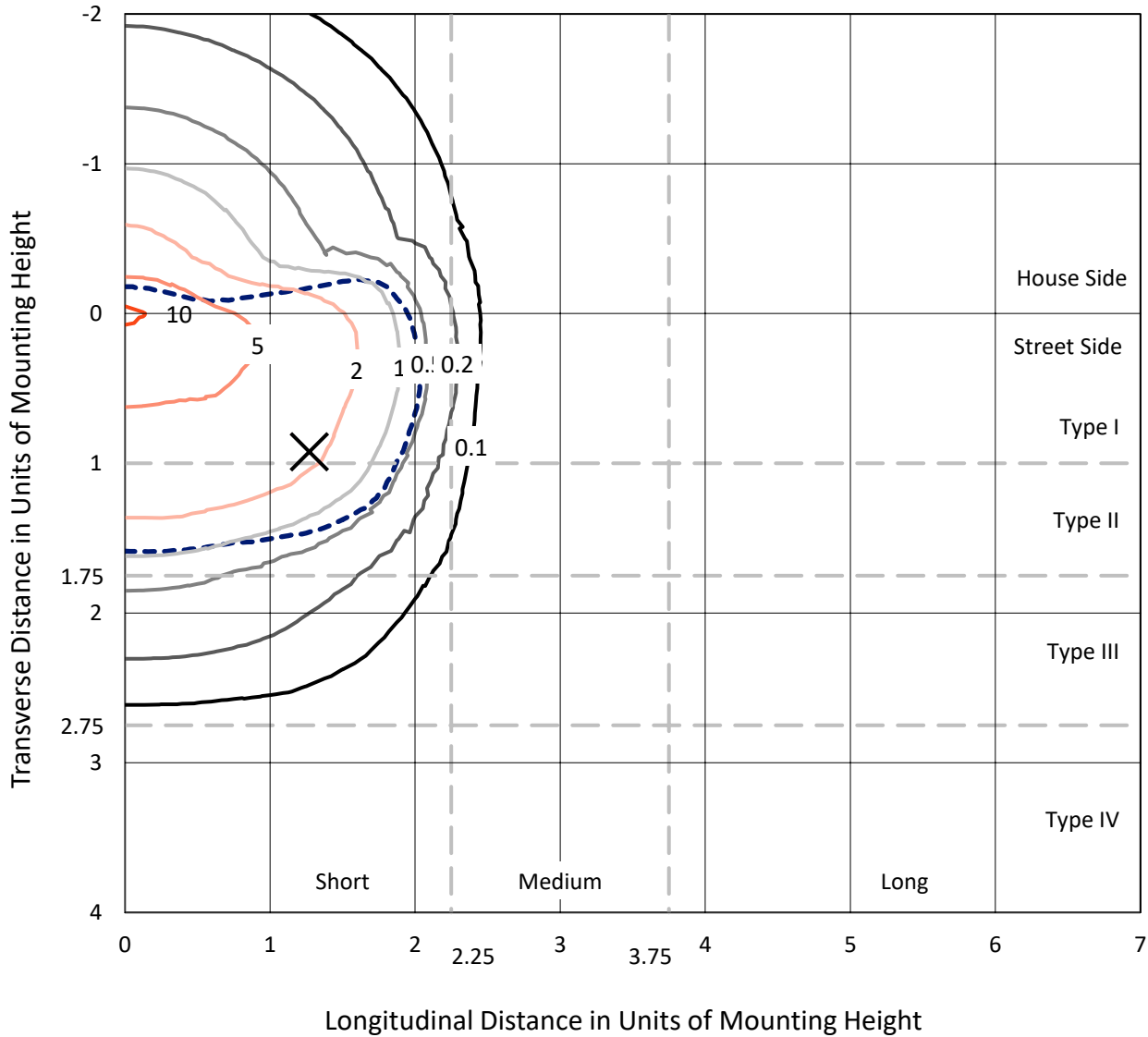
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

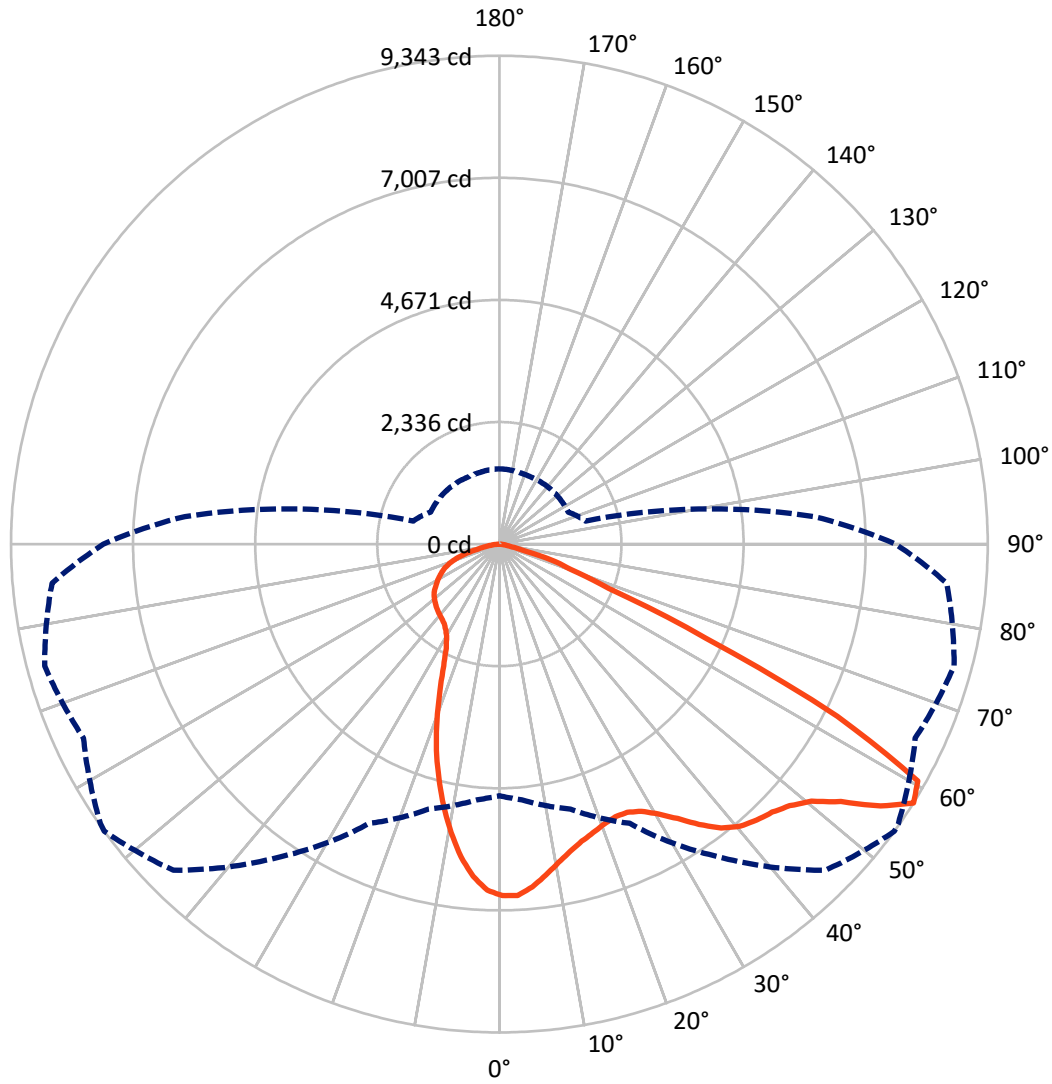
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5092.0	0.0	5092.0
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	12423.6	0.0	12423.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	17515.6	0.0	17515.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	591.1	3.4
10°-20°	1410.4	8.1
20°-30°	1951.8	11.1
30°-40°	2712.0	15.5
40°-50°	3581.8	20.4
50°-60°	4256.4	24.3
60°-70°	2358.1	13.5
70°-80°	587.2	3.4
80°-90°	66.8	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°	17515.6	100.0
0°-180°	17515.6	100.0

Coefficient of Utilization



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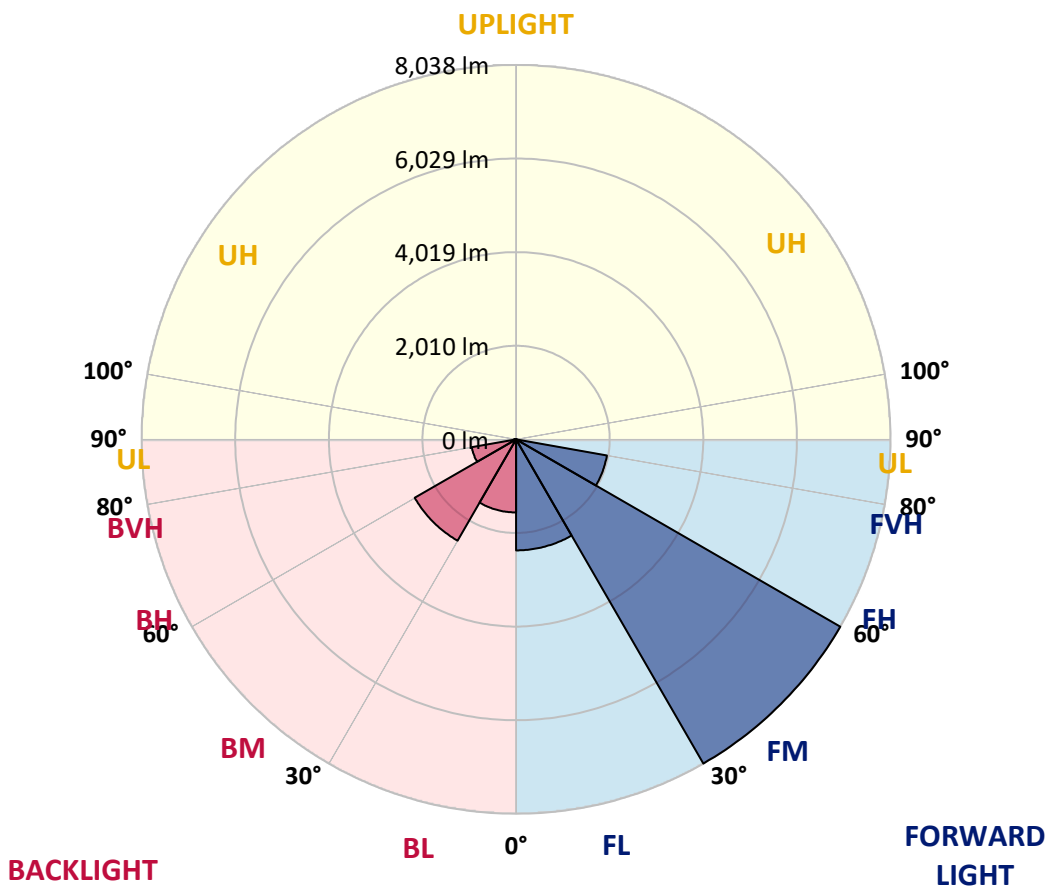
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2384.2	13.6			
FM (30°-60°)	8038.2	45.9			
FH (60°-80°)	1980.4	11.3			G2/5000
FVH (80°-90°)	20.9	0.1			G1/100
BL (0°-30°)	1569.1	9.0	B3/2500		
BM (30°-60°)	2512.0	14.3	B3/5000		
BH (60°-80°)	965.0	5.5	B2/1000		G2/1000
BVH (80°-90°)	45.9	0.3			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°	54°	55°	65°	75°	85°
0°	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6
2.5°	6598.7	6612.2	6621.2	6652.7	6679.7	6703.6	6729.1	6729.1	6727.6	6723.1	6714.1
5°	6337.8	6352.8	6373.8	6417.3	6475.7	6517.7	6586.7	6592.7	6622.7	6634.7	6628.7
7.5°	6034.9	6039.4	6066.4	6123.4	6216.4	6291.3	6390.3	6402.3	6474.2	6516.2	6508.7
10°	5703.6	5688.6	5736.6	5820.5	5942.0	6067.9	6195.4	6205.9	6321.3	6400.8	6394.8
12.5°	5400.7	5402.2	5450.2	5552.1	5703.6	5859.5	6030.4	6054.4	6196.9	6298.8	6288.3
15°	5147.3	5153.3	5211.8	5327.2	5499.7	5685.6	5898.5	5921.0	6100.9	6235.8	6205.9
17.5°	4944.9	4950.9	5001.9	5133.8	5318.2	5543.1	5802.5	5825.0	6048.4	6208.9	6147.4
20°	4805.5	4802.5	4851.9	4977.9	5168.3	5412.7	5718.6	5751.6	6031.9	6219.4	6108.4
22.5°	4748.5	4747.0	4783.0	4886.4	5064.8	5312.2	5667.6	5712.6	6049.9	6265.8	6084.4
25°	4777.0	4771.0	4802.5	4878.9	5021.4	5273.3	5682.6	5730.6	6126.4	6361.8	6088.9
27.5°	4865.4	4857.9	4884.9	4953.9	5061.8	5313.7	5787.5	5843.0	6288.3	6537.2	6148.9
30°	5000.4	4995.9	5022.9	5088.8	5183.3	5448.7	5988.5	6051.4	6538.7	6810.1	6279.3
32.5°	5157.8	5150.3	5198.3	5274.8	5384.2	5694.6	6258.3	6340.8	6835.6	7161.0	6498.2
35°	5334.7	5328.7	5394.7	5505.7	5663.1	6036.4	6585.2	6675.2	7138.5	7558.3	6789.1
37.5°	5507.2	5507.2	5634.6	5799.5	5997.4	6408.3	6892.6	6949.5	7348.4	7910.6	7101.0
40°	5660.1	5669.1	5861.0	6108.4	6360.3	6744.1	7095.0	7143.0	7441.3	8153.5	7372.4
42.5°	5829.5	5837.0	6060.4	6384.3	6684.2	7015.5	7217.9	7241.9	7459.3	8275.0	7564.3
45°	5964.5	5975.0	6252.3	6598.7	6966.0	7219.4	7315.4	7336.4	7484.8	8340.9	7703.7
47.5°	6034.9	6049.9	6367.8	6771.1	7156.5	7402.3	7475.8	7484.8	7589.8	8456.4	7871.6
50°	6022.9	6052.9	6411.3	6856.6	7297.4	7586.8	7733.7	7748.7	7804.2	8625.8	8068.1
52.5°	6129.4	6142.9	6504.2	6958.5	7498.3	7927.1	8182.0	8203.0	8177.5	8753.3	8185.0
55°	5952.5	6016.9	6388.8	6943.5	7804.2	8453.4	8846.2	8835.7	8516.4	8895.7	8379.9
57.5°	4814.4	4908.9	5249.3	5894.0	7300.4	8822.2	9342.5	9317.0	8778.8	9005.2	8591.3
60°	3333.1	3348.1	3655.4	4112.7	5634.6	7793.7	9197.1	9252.6	8826.7	8867.2	8200.0
62.5°	2665.9	2661.4	2689.9	2701.8	3583.5	5478.7	7259.9	7462.3	7333.4	6909.1	5811.5
65°	2276.0	2292.5	2376.5	2333.0	2339.0	3085.7	4337.7	4366.1	4276.2	4123.2	3073.7
67.5°	1781.2	1809.7	1958.2	2127.6	2073.6	1986.7	2250.5	2237.0	1763.2	1364.4	1127.5
70°	1115.5	1133.5	1292.4	1670.3	1805.2	1631.3	1446.9	1440.9	944.6	776.7	851.6
72.5°	650.7	653.7	698.7	931.1	1198.0	1115.5	1064.5	1025.6	607.2	619.2	679.2
75°	358.3	358.3	356.8	401.8	472.3	418.3	404.8	394.3	406.3	460.3	505.3
77.5°	75.0	76.5	81.0	106.5	137.9	167.9	211.4	212.9	265.4	307.4	343.4
80°	34.5	36.0	45.0	57.0	73.5	97.5	128.9	130.4	160.4	193.4	217.4
82.5°	18.0	19.5	24.0	30.0	39.0	51.0	72.0	72.0	96.0	114.0	128.9
85°	6.0	6.0	9.0	12.0	16.5	21.0	28.5	28.5	42.0	55.5	64.5
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.0	6.0	7.5	9.0	15.0
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°	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6	6724.6
2.5°	6694.6	6648.2	6649.7	6658.7	6630.2	6586.7	6558.2	6522.2	6499.7	6495.2	6511.7
5°	6598.7	6544.7	6507.2	6468.2	6387.3	6291.3	6216.4	6154.9	6114.4	6099.4	6081.4
7.5°	6466.7	6396.3	6301.8	6192.4	6045.4	5874.5	5754.5	5642.1	5564.1	5541.6	5531.1
10°	6334.8	6232.8	6064.9	5861.0	5616.6	5385.7	5168.3	5001.9	4869.9	4795.0	4818.9
12.5°	6198.4	6072.4	5810.0	5496.7	5156.3	4808.5	4523.6	4247.7	4034.8	3928.3	3896.8
15°	6078.4	5907.5	5541.6	5117.3	4664.5	4226.7	3814.4	3400.6	3130.7	2983.7	2943.2
17.5°	5976.5	5754.5	5258.3	4730.5	4189.2	3565.5	3058.7	2674.9	2490.4	2409.5	2403.5
20°	5876.0	5604.6	4977.9	4313.7	3640.4	2941.7	2488.9	2309.0	2243.0	2214.6	2213.1
22.5°	5786.0	5447.2	4682.5	3896.8	3094.7	2472.4	2223.6	2145.6	2127.6	2127.6	2124.6
25°	5709.6	5289.7	4379.6	3454.5	2601.4	2201.1	2085.6	2052.6	2060.1	2073.6	2075.1
27.5°	5678.1	5166.8	4087.3	3000.2	2261.0	2043.6	1991.2	1986.7	2007.6	2028.6	2031.6
30°	5711.1	5082.8	3787.4	2565.4	2057.1	1947.7	1923.7	1932.7	1958.2	1979.2	1979.2
32.5°	5813.0	5040.9	3481.5	2247.5	1938.7	1880.2	1872.7	1881.7	1901.2	1913.2	1914.7
35°	5985.5	5057.3	3165.2	2033.1	1862.2	1830.7	1829.2	1835.2	1842.7	1850.2	1851.7
37.5°	6202.9	5130.8	2826.3	1908.7	1812.7	1794.7	1791.7	1790.2	1791.7	1791.7	1793.2
40°	6415.8	5241.8	2523.4	1835.2	1778.2	1763.2	1755.8	1745.3	1743.8	1740.8	1739.3
42.5°	6573.2	5327.2	2282.0	1782.7	1746.8	1728.8	1719.8	1703.3	1701.8	1700.3	1698.8
45°	6691.7	5399.2	2081.1	1731.8	1713.8	1697.3	1677.8	1662.8	1665.8	1668.8	1668.8
47.5°	6825.1	5462.2	1934.2	1683.8	1673.3	1656.8	1632.8	1622.3	1632.8	1643.3	1643.3
50°	6987.0	5550.6	1814.2	1635.8	1631.3	1611.8	1590.8	1586.3	1598.3	1613.3	1613.3
52.5°	7105.5	5627.1	1728.8	1587.8	1587.8	1562.3	1544.3	1542.8	1556.3	1571.3	1572.8
55°	7327.4	5805.5	1698.8	1532.3	1526.4	1506.9	1493.4	1482.9	1499.4	1512.9	1512.9
57.5°	7577.8	6042.4	1706.3	1452.9	1445.4	1439.4	1428.9	1416.9	1421.4	1436.4	1437.9
60°	7047.0	5583.6	1623.8	1373.4	1368.9	1365.9	1352.4	1331.4	1337.4	1349.4	1350.9
62.5°	4922.4	3710.9	1313.4	1274.5	1289.5	1288.0	1270.0	1246.0	1247.5	1264.0	1264.0
65°	2554.9	2007.6	1153.0	1184.5	1207.0	1198.0	1168.0	1147.0	1144.0	1165.0	1160.5
67.5°	1102.0	1096.0	1049.6	1090.0	1114.0	1094.5	1063.0	1028.6	1031.6	1039.1	1033.1
70°	887.6	914.6	934.1	977.6	997.1	961.1	926.6	907.1	890.6	889.1	878.6
72.5°	709.2	746.7	790.2	835.1	841.1	805.2	761.7	743.7	718.2	716.7	706.2
75°	533.8	565.3	599.7	635.7	635.7	601.2	572.8	563.8	533.8	524.8	515.8
77.5°	364.3	383.8	410.8	419.8	428.8	415.3	386.8	371.8	337.4	328.4	316.4
80°	229.4	242.9	259.4	265.4	274.4	257.9	235.4	218.9	194.9	187.4	181.4
82.5°	137.9	146.9	157.4	160.4	167.9	155.9	134.9	122.9	109.5	103.5	99.0
85°	70.5	75.0	81.0	82.5	81.0	69.0	61.5	55.5	46.5	45.0	42.0
87.5°	18.0	21.0	22.5	21.0	19.5	15.0	10.5	7.5	3.0	3.0	1.5
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)