

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: P641990

Luminaire Tested: GWS-SA6C-722-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641990
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-SA6C-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: 17814 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

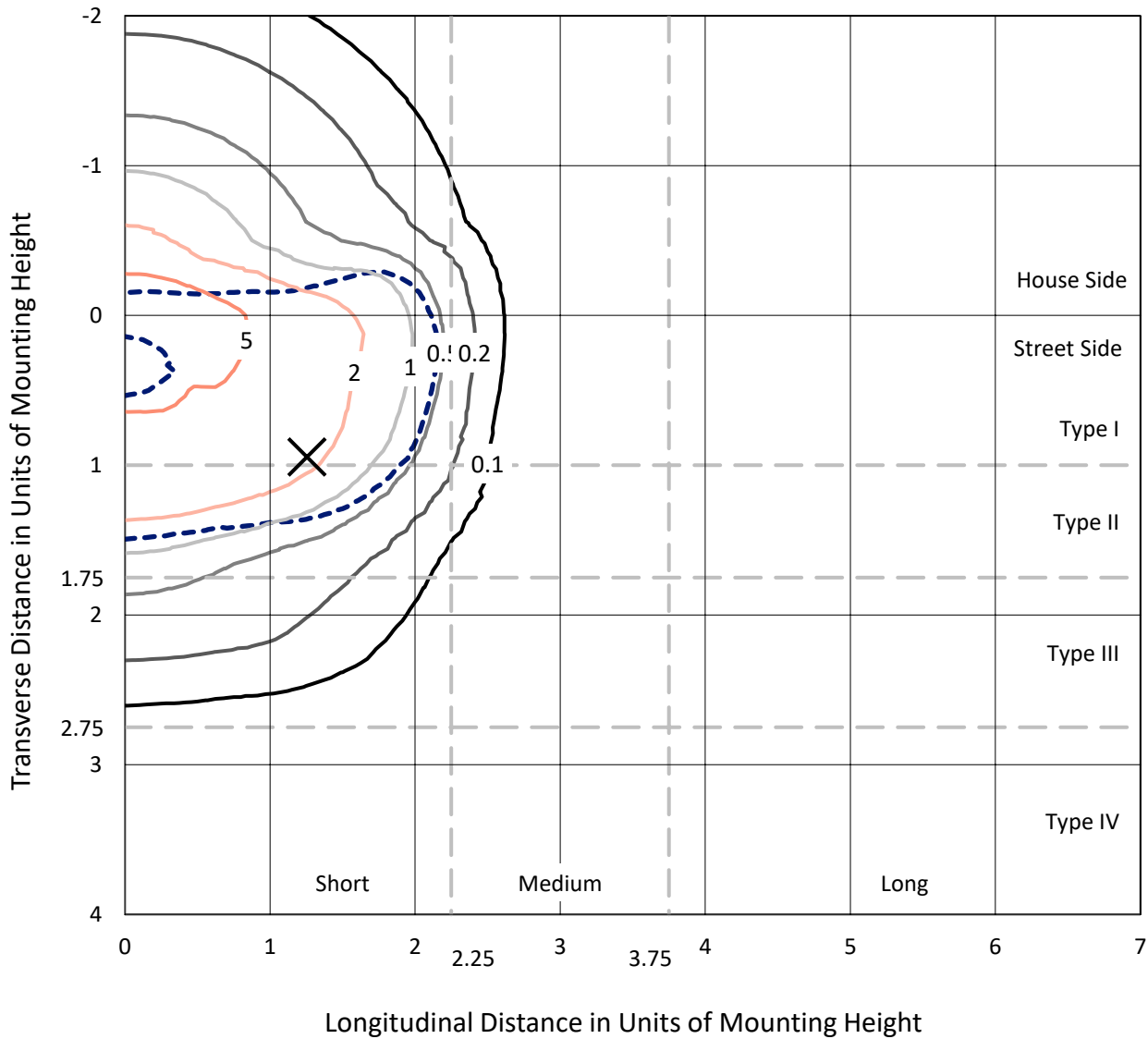
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

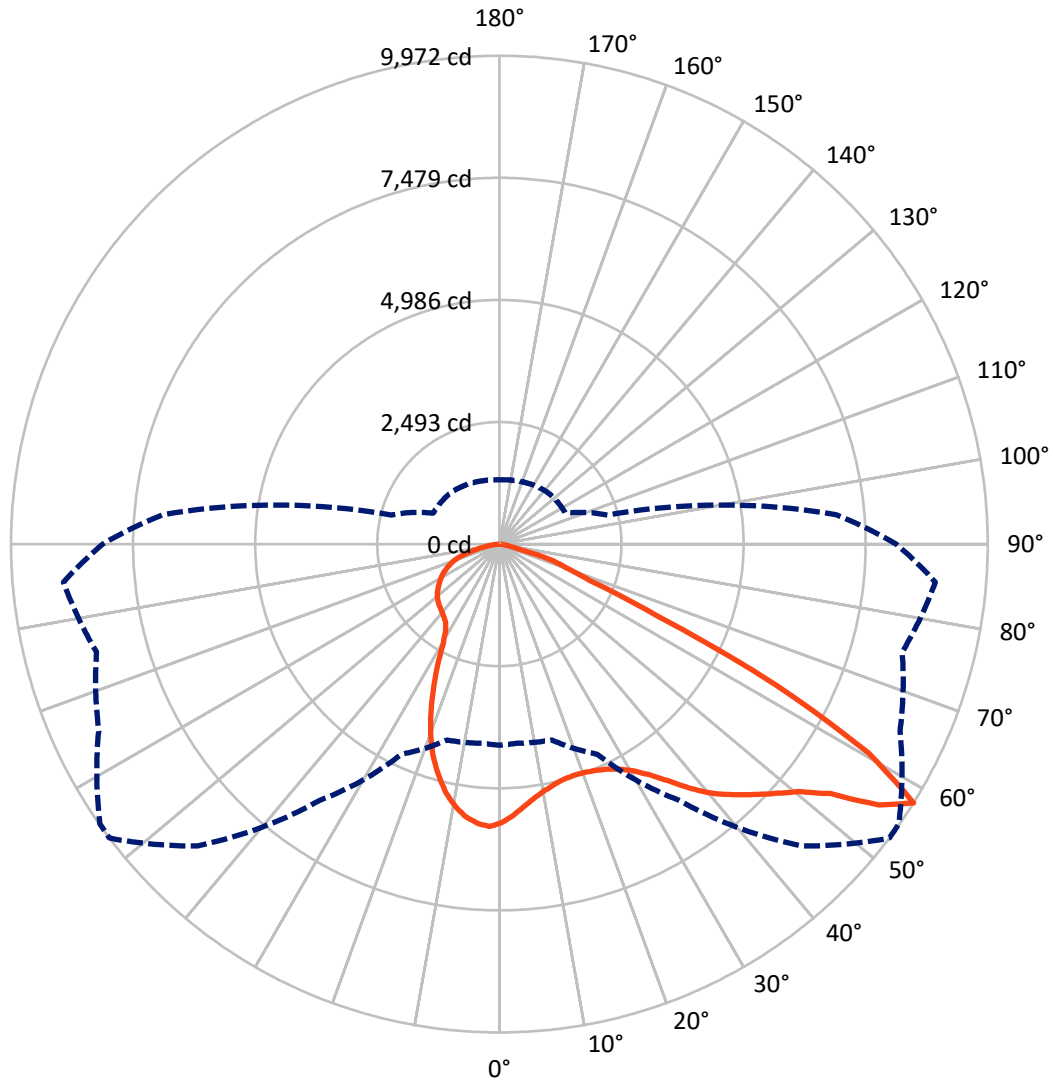
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	5569.8	0.0	5569.8
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	12244.2	0.0	12244.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	17814.0	0.0	17814.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	514.4	2.9
10°-20°	1349.6	7.6
20°-30°	1988.4	11.2
30°-40°	2783.2	15.6
40°-50°	3658.8	20.5
50°-60°	4289.9	24.1
60°-70°	2527.2	14.2
70°-80°	628.7	3.5
80°-90°	73.8	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°	17814.0	100.0
0°-180°	17814.0	100.0

Coefficient of Utilization



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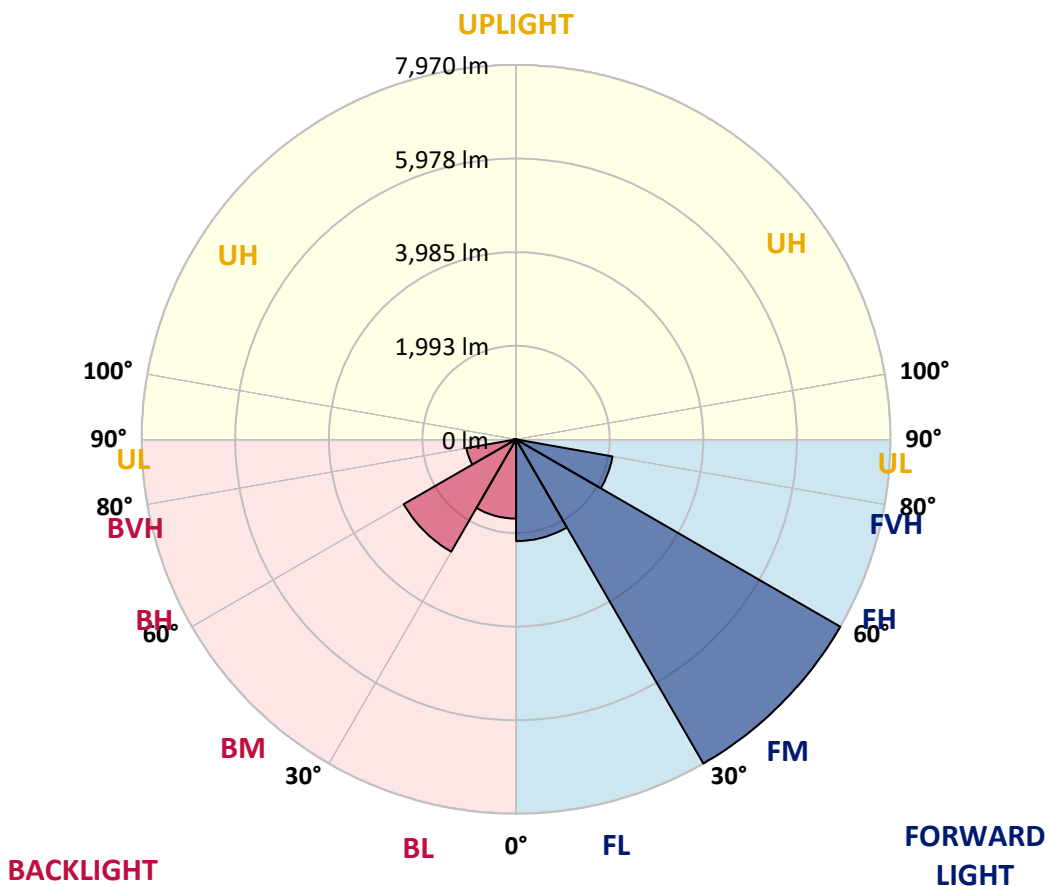
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2165.8	12.2			
FM (30°-60°)	7970.1	44.7			
FH (60°-80°)	2083.6	11.7			G2/5000
FVH (80°-90°)	24.7	0.1			G1/100
BL (0°-30°)	1686.6	9.5	B3/2500		
BM (30°-60°)	2761.8	15.5	B3/5000		
BH (60°-80°)	1072.4	6.0	B3/2500		G3/2500
BVH (80°-90°)	49.1	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5
2.5°	5361.6	5376.6	5379.6	5426.1	5429.1	5496.6	5541.6	5532.6	5579.0	5636.0	5681.0
5°	5105.2	5106.7	5121.7	5177.2	5207.2	5295.7	5370.6	5370.6	5460.6	5577.5	5678.0
7.5°	4893.8	4892.3	4905.8	4967.3	5016.8	5123.2	5225.2	5237.2	5363.1	5534.1	5697.5
10°	4697.4	4707.9	4722.9	4797.9	4860.9	4992.8	5114.2	5133.7	5292.7	5504.1	5724.5
12.5°	4571.5	4573.0	4595.5	4679.4	4760.4	4901.3	5028.8	5052.8	5235.7	5475.6	5744.0
15°	4490.5	4492.0	4516.0	4609.0	4703.4	4845.9	4976.3	5003.3	5202.7	5471.1	5781.5
17.5°	4454.5	4453.0	4475.5	4568.5	4671.9	4820.4	4959.8	4992.8	5217.7	5505.6	5847.4
20°	4454.5	4456.0	4468.0	4552.0	4656.9	4814.4	4976.3	5016.8	5276.2	5583.5	5949.4
22.5°	4517.5	4523.5	4529.5	4586.5	4668.9	4823.4	5019.8	5073.8	5402.1	5714.0	6082.8
25°	4640.5	4642.0	4648.0	4694.4	4731.9	4848.9	5091.8	5172.7	5598.5	5904.4	6250.7
27.5°	4805.4	4826.4	4832.4	4862.4	4862.4	4911.8	5204.2	5321.2	5863.9	6178.8	6465.1
30°	5036.3	5043.8	5054.3	5087.3	5051.3	5030.3	5369.1	5519.1	6171.3	6510.1	6723.0
32.5°	5238.7	5255.2	5312.2	5366.1	5301.7	5235.7	5612.0	5788.9	6466.6	6855.0	6997.4
35°	5411.1	5451.6	5561.0	5681.0	5636.0	5570.0	5934.4	6118.8	6709.5	7102.4	7240.3
37.5°	5619.5	5651.0	5800.9	5995.9	6036.3	6004.9	6327.2	6459.2	6871.5	7165.3	7372.2
40°	5830.9	5878.9	6072.3	6342.2	6496.6	6519.1	6690.0	6778.5	6926.9	7042.4	7346.8
42.5°	6046.8	6129.3	6394.7	6709.5	6983.9	7034.9	6995.9	7033.4	6909.0	6873.0	7228.3
45°	6310.7	6408.2	6708.0	7109.9	7471.2	7550.7	7295.8	7261.3	6906.0	6808.5	7154.8
47.5°	6622.6	6720.0	7006.4	7474.2	7936.0	7994.5	7603.1	7540.2	7010.9	6907.5	7253.8
50°	6898.5	6965.9	7222.3	7745.6	8369.3	8403.8	7942.0	7865.5	7271.8	7181.8	7562.7
52.5°	6618.1	6610.6	6880.5	7525.2	8594.2	9009.5	8463.8	8390.3	7775.6	7637.6	8041.0
55°	5615.0	5529.6	5771.0	6405.2	7966.0	9547.8	9399.4	9252.4	8447.3	8096.4	8489.3
57.5°	4105.2	4081.2	4139.7	4734.9	6381.2	8714.2	9972.1	9958.6	9027.5	8516.2	8936.1
60°	3210.1	3174.1	3018.2	3034.7	4349.6	6807.0	8654.2	9051.5	9387.4	8768.1	9247.9
62.5°	2850.2	2823.3	2742.3	2518.9	2590.9	4564.0	6343.7	6708.0	8202.9	7744.1	7943.5
65°	2360.0	2352.5	2419.9	2410.9	2171.0	2520.4	3580.4	3947.8	5157.7	5222.2	5157.7
67.5°	1715.2	1701.7	1872.7	2210.0	2090.1	1902.7	1995.6	2123.1	2644.8	2375.0	2138.1
70°	1115.5	1096.0	1195.0	1596.8	1871.2	1658.3	1437.9	1416.9	1454.4	904.1	977.6
72.5°	748.2	725.7	724.2	878.6	1130.5	1117.0	1114.0	1103.5	985.1	713.7	791.7
75°	416.8	398.8	394.3	379.3	404.8	412.3	439.3	454.3	491.8	541.3	599.7
77.5°	70.5	69.0	87.0	111.0	152.9	196.4	242.9	256.4	316.4	374.8	412.3
80°	39.0	40.5	52.5	64.5	85.5	116.9	149.9	158.9	194.9	226.4	256.4
82.5°	21.0	21.0	27.0	34.5	46.5	61.5	81.0	88.5	112.5	131.9	152.9
85°	7.5	7.5	10.5	13.5	19.5	25.5	31.5	36.0	49.5	67.5	76.5
87.5°	0.0	0.0	0.0	0.0	1.5	3.0	6.0	6.0	7.5	13.5	19.5
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°	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5	5688.5
2.5°	5718.5	5678.0	5733.5	5759.0	5768.0	5774.0	5735.0	5708.0	5699.0	5670.5	5654.0
5°	5739.5	5712.5	5765.0	5765.0	5727.5	5688.5	5609.0	5553.6	5514.6	5468.1	5460.6
7.5°	5775.5	5756.0	5784.4	5726.0	5631.5	5526.6	5388.6	5280.7	5193.7	5136.7	5138.2
10°	5823.4	5799.4	5777.0	5646.5	5474.1	5280.7	5069.3	4911.8	4767.9	4701.9	4665.9
12.5°	5854.9	5820.4	5726.0	5510.1	5256.7	4997.3	4698.9	4465.0	4256.6	4162.2	4154.7
15°	5893.9	5830.9	5642.0	5333.1	4980.8	4627.0	4243.1	3917.8	3635.9	3489.0	3481.5
17.5°	5944.9	5841.4	5541.6	5130.7	4689.9	4168.2	3685.4	3276.1	2976.2	2862.2	2881.7
20°	6016.8	5853.4	5427.6	4905.8	4328.6	3646.4	3045.2	2668.8	2553.4	2545.9	2530.9
22.5°	6097.8	5860.9	5301.7	4653.9	3890.8	3090.1	2515.9	2355.5	2354.0	2391.4	2400.4
25°	6189.3	5866.9	5159.2	4360.1	3417.0	2535.4	2225.0	2177.0	2214.5	2285.0	2294.0
27.5°	6306.2	5878.9	4986.8	4037.7	2913.2	2190.5	2064.6	2052.6	2097.6	2163.5	2160.5
30°	6478.6	5922.4	4803.9	3667.4	2395.9	2027.1	1967.1	1968.6	1986.6	2018.1	2022.6
32.5°	6654.1	5989.9	4625.5	3250.6	2099.1	1934.1	1907.2	1904.2	1904.2	1917.7	1920.7
35°	6820.5	6066.3	4432.0	2815.8	1955.1	1880.2	1862.2	1853.2	1848.7	1845.7	1841.2
37.5°	6913.5	6103.8	4243.1	2386.9	1878.7	1844.2	1826.2	1814.2	1797.7	1785.7	1782.7
40°	6873.0	6060.3	4024.2	2066.1	1832.2	1809.7	1788.7	1772.2	1749.7	1739.2	1733.2
42.5°	6738.0	5925.4	3785.8	1914.7	1794.7	1772.2	1746.7	1719.7	1704.7	1695.8	1694.3
45°	6595.6	5762.0	3498.0	1826.2	1758.7	1731.7	1701.7	1671.8	1655.3	1650.8	1649.3
47.5°	6591.1	5681.0	3192.1	1755.7	1715.2	1688.3	1650.8	1620.8	1602.8	1596.8	1590.8
50°	6789.0	5763.5	2847.2	1694.3	1670.3	1641.8	1599.8	1566.8	1544.3	1536.8	1535.3
52.5°	7199.8	6073.8	2538.4	1632.8	1610.3	1577.3	1542.8	1509.8	1482.8	1469.4	1467.9
55°	7643.6	6468.1	2346.5	1569.8	1539.8	1511.3	1479.8	1443.9	1413.9	1392.9	1389.9
57.5°	8102.4	6898.5	2288.0	1490.3	1467.9	1448.4	1410.9	1371.9	1337.4	1317.9	1313.4
60°	8480.3	7268.8	2397.4	1406.4	1394.4	1368.9	1334.4	1296.9	1272.9	1257.9	1254.9
62.5°	7099.4	5917.9	1935.6	1314.9	1314.9	1287.9	1248.9	1222.0	1205.5	1195.0	1192.0
65°	4505.5	3664.4	1320.9	1223.5	1222.0	1186.0	1153.0	1135.0	1127.5	1111.0	1108.0
67.5°	1962.6	1674.8	1129.0	1130.5	1124.5	1085.5	1052.5	1039.0	1024.0	1006.1	1004.6
70°	1018.1	1037.5	1010.6	1027.0	1016.6	970.1	938.6	917.6	886.1	868.1	869.6
72.5°	821.6	842.6	872.6	898.1	875.6	838.1	788.7	763.2	722.7	703.2	704.7
75°	626.7	649.2	677.7	704.7	686.7	640.2	608.7	583.2	536.8	514.3	518.8
77.5°	431.8	443.8	478.3	476.8	470.8	457.3	410.8	380.8	332.9	305.9	308.9
80°	268.4	275.9	292.4	299.9	296.9	278.9	241.4	218.9	190.4	173.9	175.4
82.5°	161.9	166.4	181.4	182.9	181.4	167.9	139.4	122.9	105.0	96.0	96.0
85°	82.5	85.5	94.5	94.5	85.5	72.0	64.5	57.0	46.5	42.0	42.0
87.5°	22.5	22.5	28.5	24.0	19.5	18.0	9.0	7.5	3.0	1.5	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)