

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: P639684

Luminaire Tested: GWS-SA5C-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639684
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-SA5C-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19668.4 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

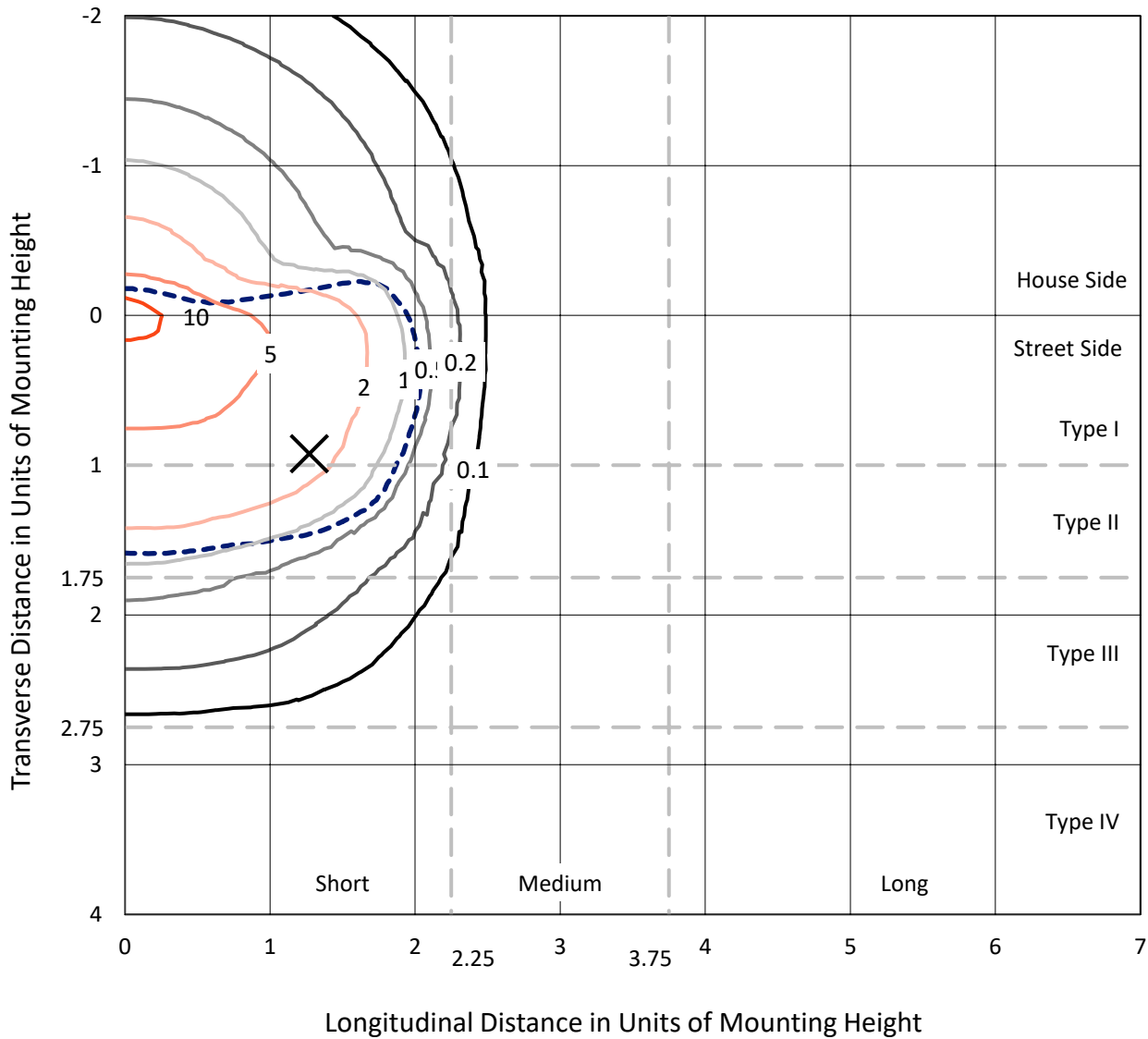
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

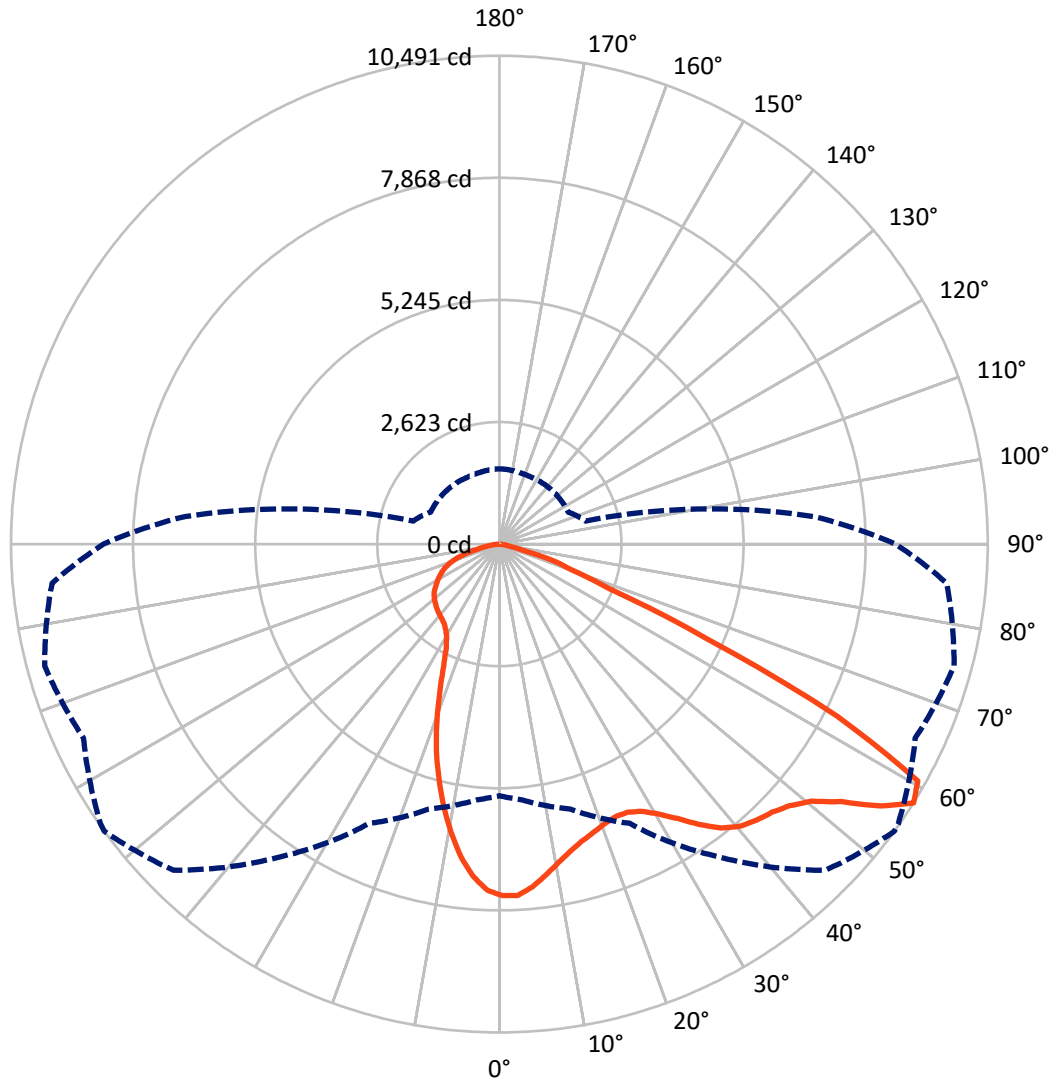


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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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	5717.8	0.0	5717.8
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	13950.6	0.0	13950.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	19668.4	0.0	19668.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	663.7	3.4
10°-20°	1583.8	8.1
20°-30°	2191.7	11.1
30°-40°	3045.4	15.5
40°-50°	4022.0	20.4
50°-60°	4779.5	24.3
60°-70°	2647.9	13.5
70°-80°	659.4	3.4
80°-90°	75.0	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°	19668.4	100.0
0°-180°	19668.4	100.0

Coefficient of Utilization



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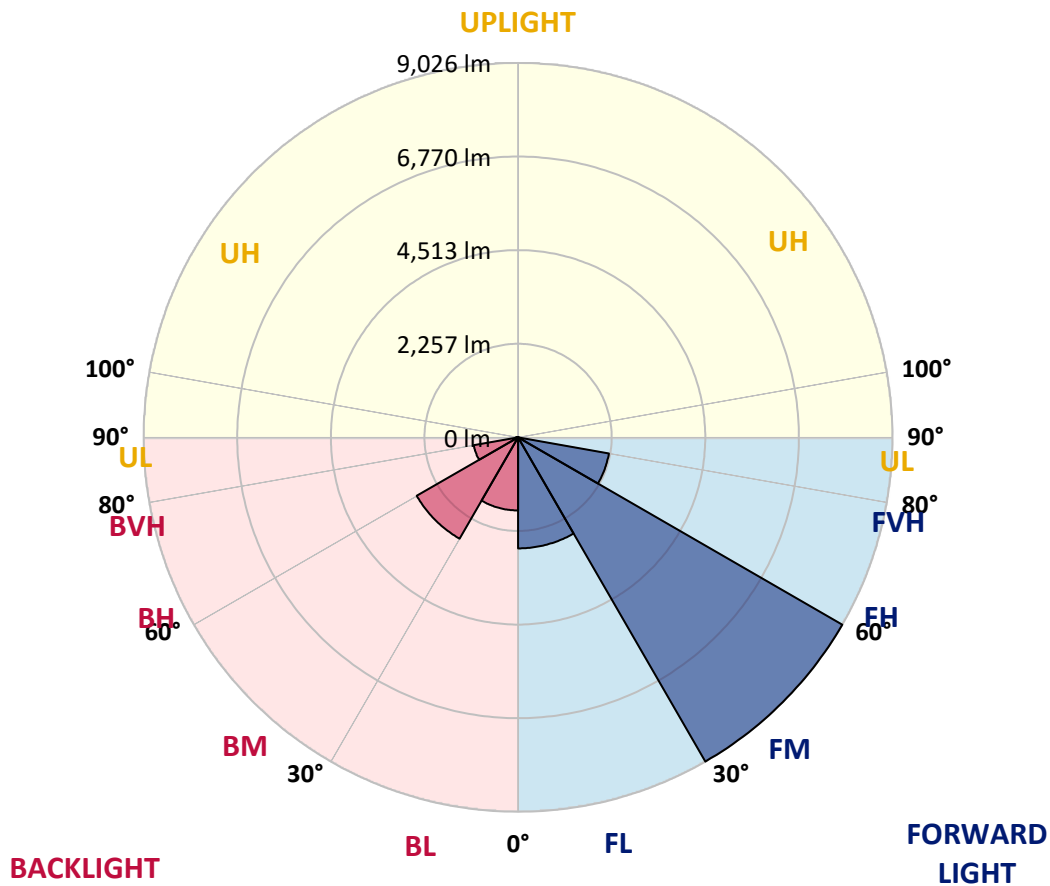
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2677.2	13.6			
FM (30°-60°)	9026.1	45.9			
FH (60°-80°)	2223.8	11.3			G2/5000
FVH (80°-90°)	23.5	0.1			G1/100
BL (0°-30°)	1762.0	9.0	B3/2500		
BM (30°-60°)	2820.7	14.3	B3/5000		
BH (60°-80°)	1083.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	51.5	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°	54°	55°	65°	75°	85°
0°	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1
2.5°	7409.7	7424.9	7435.0	7470.3	7500.6	7527.6	7556.2	7556.2	7554.5	7549.5	7539.4
5°	7116.8	7133.6	7157.2	7206.0	7271.7	7318.8	7396.3	7403.0	7436.7	7450.1	7443.4
7.5°	6776.7	6781.7	6812.0	6876.0	6980.4	7064.6	7175.7	7189.2	7270.0	7317.1	7308.7
10°	6404.6	6387.7	6441.6	6535.9	6672.3	6813.7	6956.8	6968.6	7098.2	7187.5	7180.7
12.5°	6064.5	6066.2	6120.0	6234.5	6404.6	6579.7	6771.6	6798.6	6958.5	7073.0	7061.2
15°	5780.0	5786.7	5852.3	5982.0	6175.6	6384.4	6623.5	6648.7	6850.7	7002.3	6968.6
17.5°	5552.7	5559.4	5616.6	5764.8	5971.9	6224.4	6515.7	6541.0	6791.8	6972.0	6902.9
20°	5396.1	5392.7	5448.3	5589.7	5803.5	6078.0	6421.4	6458.5	6773.3	6983.8	6859.2
22.5°	5332.1	5330.4	5370.8	5487.0	5687.4	5965.2	6364.2	6414.7	6793.5	7036.0	6832.2
25°	5364.1	5357.4	5392.7	5478.6	5638.5	5921.4	6381.0	6434.9	6879.4	7143.7	6837.3
27.5°	5463.4	5455.0	5485.3	5562.8	5684.0	5966.8	6498.9	6561.2	7061.2	7340.7	6904.6
30°	5615.0	5609.9	5640.2	5714.3	5820.4	6118.4	6724.5	6795.2	7342.4	7647.1	7051.1
32.5°	5791.7	5783.3	5837.2	5923.1	6046.0	6394.5	7027.5	7120.1	7675.7	8041.1	7296.9
35°	5990.4	5983.7	6057.8	6182.3	6359.1	6778.4	7394.6	7495.6	8015.8	8487.3	7623.5
37.5°	6184.0	6184.0	6327.1	6512.3	6734.6	7195.9	7739.7	7803.7	8251.5	8882.9	7973.7
40°	6355.8	6365.9	6581.4	6859.2	7142.0	7573.0	7967.0	8020.9	8355.9	9155.7	8278.5
42.5°	6546.0	6554.4	6805.3	7169.0	7505.7	7877.8	8105.1	8132.0	8376.1	9292.0	8494.0
45°	6697.5	6709.3	7020.8	7409.7	7822.2	8106.7	8214.5	8238.1	8404.8	9366.1	8650.6
47.5°	6776.7	6793.5	7150.4	7603.3	8036.0	8312.2	8394.7	8404.8	8522.6	9495.8	8839.1
50°	6763.2	6796.9	7199.3	7699.3	8194.3	8519.2	8684.2	8701.1	8763.4	9686.0	9059.7
52.5°	6882.7	6897.9	7303.6	7813.8	8419.9	8901.4	9187.6	9211.2	9182.6	9829.1	9191.0
55°	6684.1	6756.5	7174.0	7797.0	8763.4	9492.4	9933.5	9921.7	9563.1	9989.1	9409.9
57.5°	5406.2	5512.3	5894.4	6618.4	8197.7	9906.6	10490.8	10462.2	9857.7	10112.0	9647.3
60°	3742.7	3759.6	4104.7	4618.2	6327.1	8751.6	10327.5	10389.8	9911.6	9957.1	9207.9
62.5°	2993.5	2988.5	3020.5	3033.9	4023.9	6152.0	8152.2	8379.5	8234.7	7758.2	6525.8
65°	2555.8	2574.3	2668.6	2619.8	2626.5	3464.9	4870.8	4902.8	4801.8	4630.0	3451.5
67.5°	2000.2	2032.2	2198.8	2389.1	2328.5	2230.8	2527.2	2512.0	1980.0	1532.1	1266.1
70°	1252.6	1272.8	1451.3	1875.6	2027.1	1831.8	1624.7	1618.0	1060.7	872.1	956.3
72.5°	730.7	734.1	784.6	1045.5	1345.2	1252.6	1195.4	1151.6	681.9	695.3	762.7
75°	402.4	402.4	400.7	451.2	530.3	469.7	454.6	442.8	456.3	516.9	567.4
77.5°	84.2	85.9	90.9	119.5	154.9	188.6	237.4	239.1	298.0	345.1	385.6
80°	38.7	40.4	50.5	64.0	82.5	109.4	144.8	146.5	180.1	217.2	244.1
82.5°	20.2	21.9	26.9	33.7	43.8	57.2	80.8	80.8	107.8	128.0	144.8
85°	6.7	6.7	10.1	13.5	18.5	23.6	32.0	32.0	47.1	62.3	72.4
87.5°	0.0	0.0	0.0	0.0	1.7	3.4	6.7	6.7	8.4	10.1	16.8
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°	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1	7551.1
2.5°	7517.5	7465.3	7467.0	7477.1	7445.1	7396.3	7364.3	7323.9	7298.6	7293.5	7312.1
5°	7409.7	7349.1	7307.0	7263.2	7172.3	7064.6	6980.4	6911.4	6865.9	6849.1	6828.9
7.5°	7261.6	7182.4	7076.4	6953.5	6788.5	6596.5	6461.8	6335.6	6248.0	6222.7	6211.0
10°	7113.4	6998.9	6810.3	6581.4	6306.9	6047.7	5803.5	5616.6	5468.5	5384.3	5411.2
12.5°	6960.2	6818.8	6524.1	6172.2	5790.1	5399.4	5079.6	4769.8	4530.7	4411.1	4375.8
15°	6825.5	6633.6	6222.7	5746.3	5237.8	4746.2	4283.2	3818.5	3515.4	3350.5	3305.0
17.5°	6711.0	6461.8	5904.5	5311.9	4704.1	4003.7	3434.6	3003.6	2796.5	2705.6	2698.9
20°	6598.2	6293.5	5589.7	4843.8	4087.9	3303.3	2794.8	2592.8	2518.7	2486.7	2485.1
22.5°	6497.2	6116.7	5258.0	4375.8	3475.0	2776.3	2496.8	2409.3	2389.1	2389.1	2385.7
25°	6411.3	5939.9	4917.9	3879.1	2921.1	2471.6	2341.9	2304.9	2313.3	2328.5	2330.2
27.5°	6376.0	5801.8	4589.6	3369.0	2538.9	2294.8	2235.9	2230.8	2254.4	2278.0	2281.3
30°	6413.0	5707.6	4252.9	2880.7	2310.0	2187.1	2160.1	2170.2	2198.8	2222.4	2222.4
32.5°	6527.5	5660.4	3909.4	2523.8	2177.0	2111.3	2102.9	2113.0	2134.9	2148.3	2150.0
35°	6721.1	5678.9	3554.2	2283.0	2091.1	2055.7	2054.0	2060.8	2069.2	2077.6	2079.3
37.5°	6965.2	5761.4	3173.7	2143.3	2035.5	2015.3	2012.0	2010.3	2012.0	2012.0	2013.6
40°	7204.3	5886.0	2833.6	2060.8	1996.8	1980.0	1971.5	1959.8	1958.1	1954.7	1953.0
42.5°	7381.1	5982.0	2562.5	2001.9	1961.4	1941.2	1931.1	1912.6	1910.9	1909.3	1907.6
45°	7514.1	6062.8	2336.9	1944.6	1924.4	1905.9	1884.0	1867.2	1870.5	1873.9	1873.9
47.5°	7663.9	6133.5	2171.9	1890.7	1878.9	1860.4	1833.5	1821.7	1833.5	1845.3	1845.3
50°	7845.8	6232.9	2037.2	1836.9	1831.8	1809.9	1786.3	1781.3	1794.8	1811.6	1811.6
52.5°	7978.8	6318.7	1941.2	1783.0	1783.0	1754.4	1734.2	1732.5	1747.6	1764.5	1766.1
55°	8228.0	6519.1	1907.6	1720.7	1714.0	1692.1	1676.9	1665.1	1683.6	1698.8	1698.8
57.5°	8509.1	6785.1	1916.0	1631.5	1623.0	1616.3	1604.5	1591.0	1596.1	1612.9	1614.6
60°	7913.1	6269.9	1823.4	1542.2	1537.2	1533.8	1518.6	1495.1	1501.8	1515.3	1517.0
62.5°	5527.4	4167.0	1474.9	1431.1	1447.9	1446.3	1426.0	1399.1	1400.8	1419.3	1419.3
65°	2868.9	2254.4	1294.7	1330.1	1355.3	1345.2	1311.6	1288.0	1284.6	1308.2	1303.1
67.5°	1237.5	1230.7	1178.6	1224.0	1250.9	1229.1	1193.7	1155.0	1158.3	1166.8	1160.0
70°	996.7	1027.0	1048.9	1097.7	1119.6	1079.2	1040.5	1018.6	1000.1	998.4	986.6
72.5°	796.4	838.5	887.3	937.8	944.5	904.1	855.3	835.1	806.5	804.8	793.0
75°	599.4	634.7	673.5	713.9	713.9	675.1	643.2	633.1	599.4	589.3	579.2
77.5°	409.1	431.0	461.3	471.4	481.5	466.4	434.4	417.5	378.8	368.7	355.2
80°	257.6	272.8	291.3	298.0	308.1	289.6	264.3	245.8	218.9	210.5	203.7
82.5°	154.9	165.0	176.8	180.1	188.6	175.1	151.5	138.1	122.9	116.2	111.1
85°	79.1	84.2	90.9	92.6	90.9	77.4	69.0	62.3	52.2	50.5	47.1
87.5°	20.2	23.6	25.3	23.6	21.9	16.8	11.8	8.4	3.4	3.4	1.7
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)