

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: P639794

Luminaire Tested: GWS-SA5C-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P639794
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20398.7 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

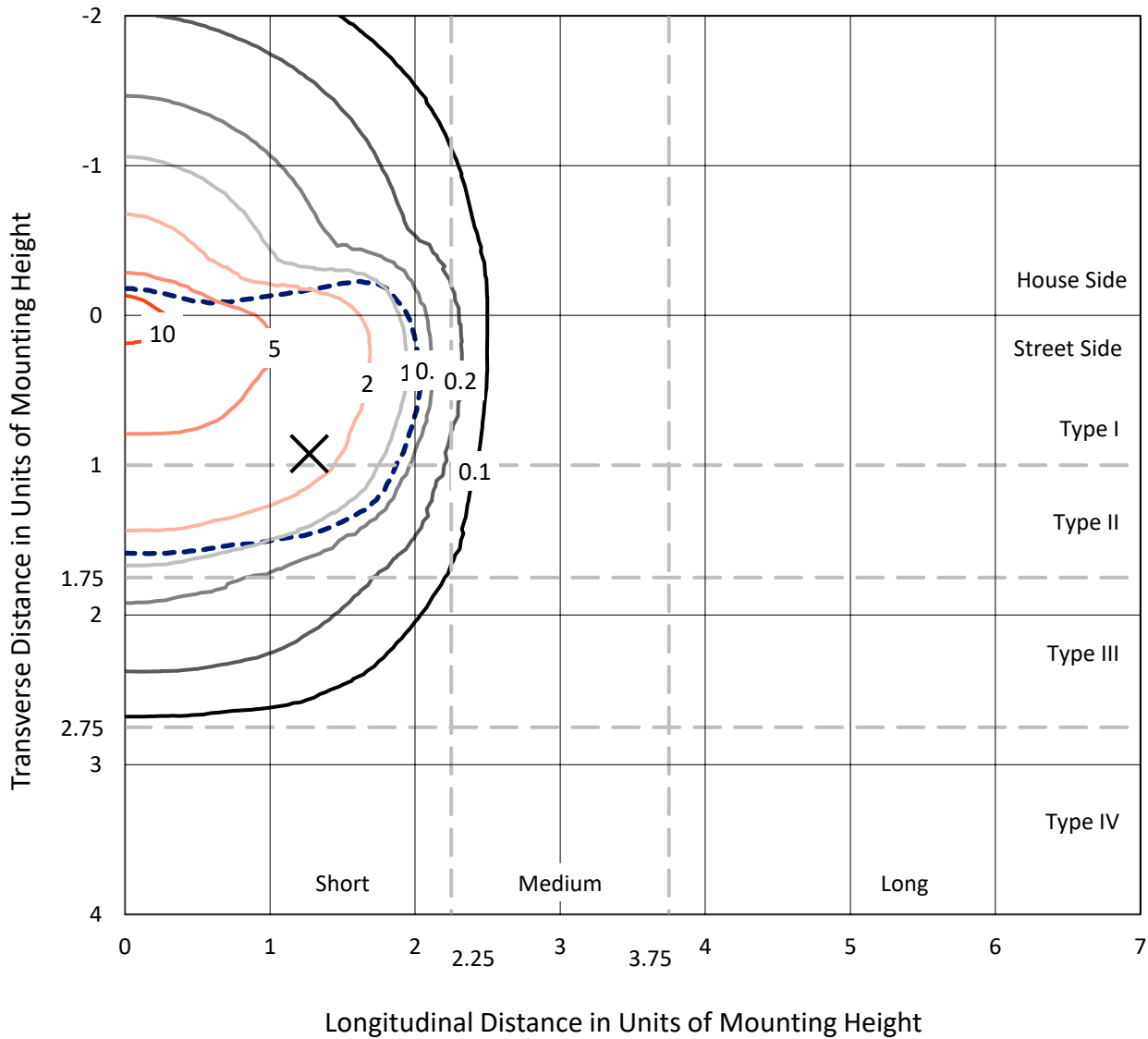
Input Watts (W): 157.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

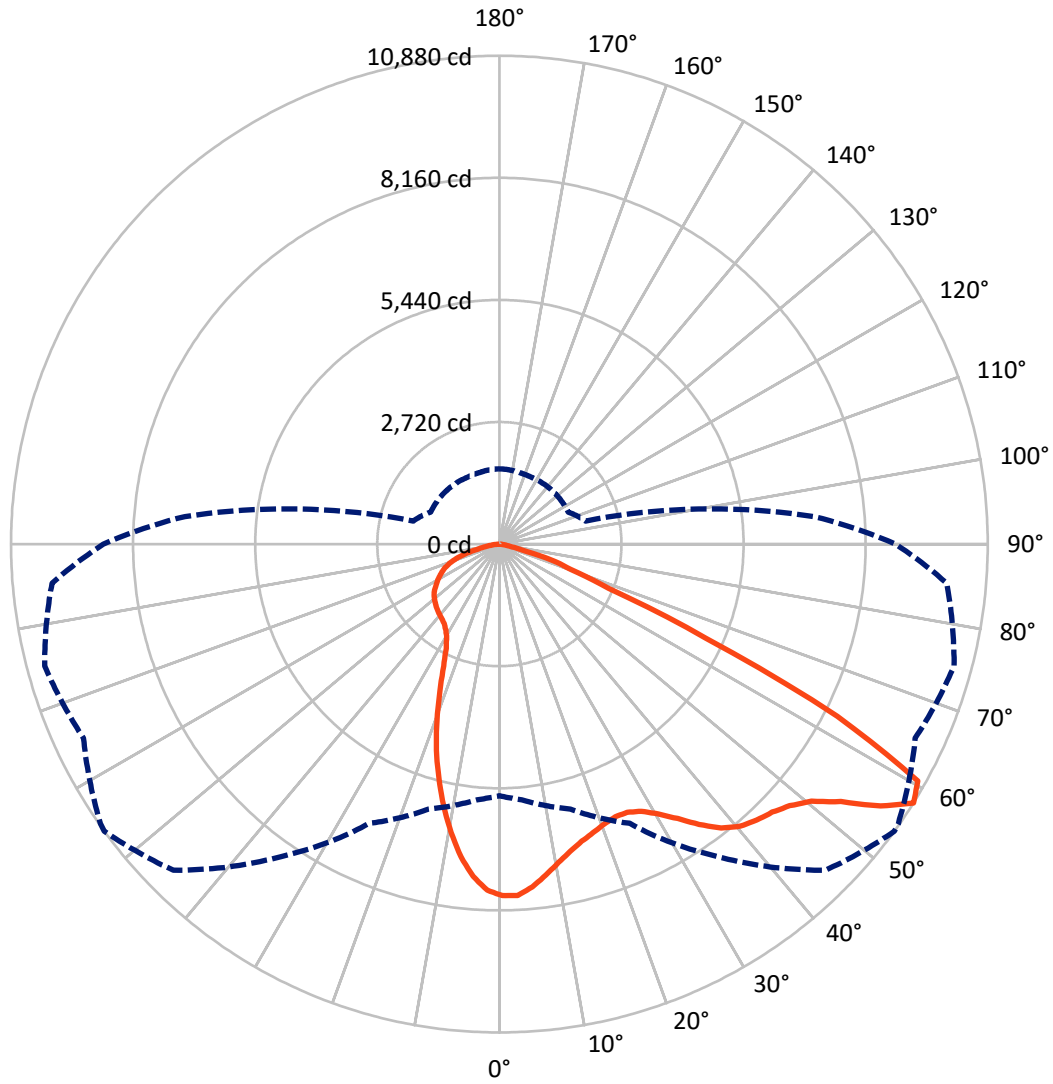
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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	5930.1	0.0	5930.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	14468.6	0.0	14468.6
	% Fixture	70.9	0.0	70.9
Total	Lumens	20398.7	0.0	20398.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	688.4	3.4
10°-20°	1642.6	8.1
20°-30°	2273.1	11.1
30°-40°	3158.4	15.5
40°-50°	4171.3	20.4
50°-60°	4957.0	24.3
60°-70°	2746.3	13.5
70°-80°	683.9	3.4
80°-90°	77.8	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°	20398.7	100.0
0°-180°	20398.7	100.0

Coefficient of Utilization



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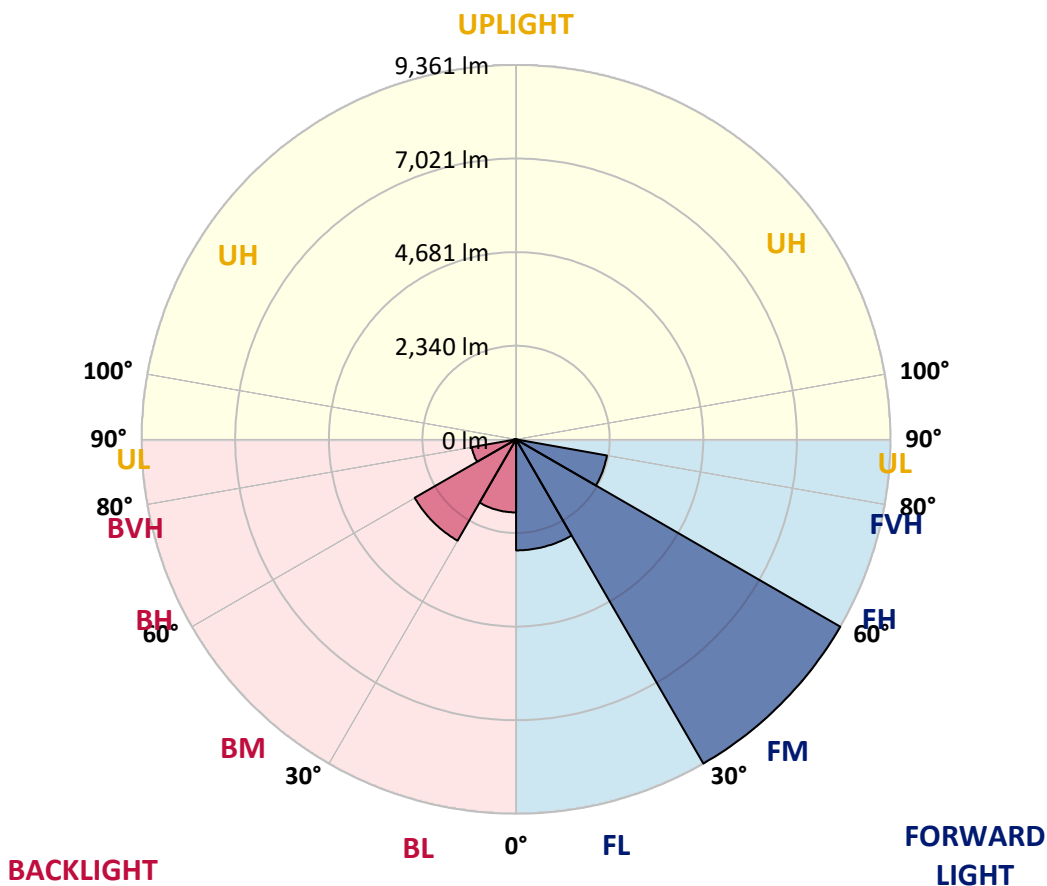
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2776.6	13.6			
FM (30°-60°)	9361.3	45.9			
FH (60°-80°)	2306.4	11.3			G2/5000
FVH (80°-90°)	24.3	0.1			G1/100
BL (0°-30°)	1827.4	9.0	B3/2500		
BM (30°-60°)	2925.5	14.3	B3/5000		
BH (60°-80°)	1123.8	5.5	B3/2500		G3/2500
BVH (80°-90°)	53.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5
2.5°	7684.8	7700.6	7711.0	7747.7	7779.1	7807.1	7836.8	7836.8	7835.0	7829.8	7819.3
5°	7381.0	7398.5	7422.9	7473.6	7541.7	7590.6	7670.9	7677.9	7712.8	7726.8	7719.8
7.5°	7028.3	7033.5	7065.0	7131.3	7239.6	7326.9	7442.1	7456.1	7539.9	7588.8	7580.1
10°	6642.4	6624.9	6680.8	6778.6	6920.0	7066.7	7215.1	7227.4	7361.8	7454.4	7447.4
12.5°	6289.7	6291.4	6347.3	6466.0	6642.4	6824.0	7023.1	7051.0	7216.9	7335.6	7323.4
15°	5994.6	6001.5	6069.6	6204.1	6404.9	6621.4	6869.4	6895.6	7105.1	7262.3	7227.4
17.5°	5758.8	5765.8	5825.2	5978.8	6193.6	6455.6	6757.6	6783.8	7044.0	7230.8	7159.3
20°	5596.4	5592.9	5650.6	5797.2	6019.0	6303.6	6659.9	6698.3	7024.8	7243.1	7113.9
22.5°	5530.1	5528.3	5570.2	5690.7	5898.5	6186.6	6600.5	6652.9	7045.8	7297.2	7085.9
25°	5563.3	5556.3	5592.9	5682.0	5847.9	6141.2	6617.9	6673.8	7134.8	7409.0	7091.2
27.5°	5666.3	5657.6	5689.0	5769.3	5895.0	6188.4	6740.2	6804.8	7323.4	7613.3	7161.0
30°	5823.4	5818.2	5849.6	5926.5	6036.5	6345.5	6974.2	7047.5	7615.0	7931.1	7312.9
32.5°	6006.8	5998.1	6053.9	6143.0	6270.5	6631.9	7288.5	7384.5	7960.7	8339.7	7567.9
35°	6212.8	6205.8	6282.7	6411.9	6595.2	7030.0	7669.1	7773.9	8313.5	8802.4	7906.6
37.5°	6413.6	6413.6	6562.1	6754.1	6984.6	7463.1	8027.1	8093.4	8557.9	9212.7	8269.8
40°	6591.8	6602.2	6825.7	7113.9	7407.2	7854.2	8262.8	8318.7	8666.2	9495.6	8585.9
42.5°	6789.1	6797.8	7058.0	7435.1	7784.4	8170.3	8406.0	8433.9	8687.1	9637.1	8809.4
45°	6946.2	6958.4	7281.5	7684.8	8112.7	8407.8	8519.5	8544.0	8716.8	9713.9	8971.8
47.5°	7028.3	7045.8	7415.9	7885.7	8334.4	8620.8	8706.3	8716.8	8839.1	9848.3	9167.3
50°	7014.3	7049.2	7466.6	7985.2	8498.6	8835.6	9006.7	9024.2	9088.8	10045.7	9396.1
52.5°	7138.3	7154.0	7574.8	8103.9	8732.5	9231.9	9528.8	9553.2	9523.6	10194.1	9532.3
55°	6932.3	7007.3	7440.4	8086.5	9088.8	9844.8	10302.3	10290.1	9918.2	10360.0	9759.3
57.5°	5606.9	5716.9	6113.3	6864.2	8502.0	10274.4	10880.3	10850.6	10223.8	10487.4	10005.5
60°	3881.7	3899.2	4257.1	4789.7	6562.1	9076.5	10710.9	10775.5	10279.6	10326.8	9549.7
62.5°	3104.7	3099.4	3132.6	3146.6	4173.3	6380.5	8454.9	8690.6	8540.5	8046.3	6768.1
65°	2650.7	2669.9	2767.7	2717.0	2724.0	3593.6	5051.6	5084.8	4980.0	4801.9	3579.6
67.5°	2074.4	2107.6	2280.5	2477.8	2414.9	2313.7	2621.0	2605.3	2053.5	1589.0	1313.1
70°	1299.1	1320.1	1505.2	1945.2	2102.4	1899.8	1685.0	1678.1	1100.1	904.5	991.8
72.5°	757.8	761.3	813.7	1084.4	1395.2	1299.1	1239.8	1194.4	707.2	721.2	791.0
75°	417.3	417.3	415.6	468.0	550.0	487.2	471.5	459.2	473.2	536.1	588.5
77.5°	87.3	89.1	94.3	124.0	160.6	195.6	246.2	248.0	309.1	358.0	399.9
80°	40.2	41.9	52.4	66.4	85.6	113.5	150.2	151.9	186.8	225.3	253.2
82.5°	21.0	22.7	27.9	34.9	45.4	59.4	83.8	83.8	111.8	132.7	150.2
85°	7.0	7.0	10.5	14.0	19.2	24.4	33.2	33.2	48.9	64.6	75.1
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	7.0	7.0	8.7	10.5	17.5
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°	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5	7831.5
2.5°	7796.6	7742.5	7744.2	7754.7	7721.5	7670.9	7637.7	7595.8	7569.6	7564.4	7583.6
5°	7684.8	7622.0	7578.3	7532.9	7438.6	7326.9	7239.6	7168.0	7120.8	7103.4	7082.4
7.5°	7531.2	7449.1	7339.1	7211.6	7040.5	6841.5	6701.8	6570.8	6480.0	6453.8	6441.6
10°	7377.5	7258.8	7063.2	6825.7	6541.1	6272.2	6019.0	5825.2	5671.5	5584.2	5612.2
12.5°	7218.6	7071.9	6766.4	6401.4	6005.0	5599.9	5268.2	4946.9	4698.9	4574.9	4538.3
15°	7078.9	6879.9	6453.8	5959.6	5432.3	4922.4	4442.2	3960.3	3646.0	3474.9	3427.7
17.5°	6960.2	6701.8	6123.8	5509.1	4878.8	4152.4	3562.2	3115.1	2900.4	2806.1	2799.1
20°	6843.2	6527.1	5797.2	5023.7	4239.7	3426.0	2898.6	2689.1	2612.3	2579.1	2577.3
22.5°	6738.4	6343.8	5453.3	4538.3	3604.1	2879.4	2589.6	2498.8	2477.8	2477.8	2474.3
25°	6649.4	6160.4	5100.5	4023.2	3029.6	2563.4	2428.9	2390.5	2399.2	2414.9	2416.7
27.5°	6612.7	6017.3	4760.0	3494.1	2633.2	2380.0	2318.9	2313.7	2338.1	2362.6	2366.0
30°	6651.1	5919.5	4410.8	2987.7	2395.7	2268.3	2240.3	2250.8	2280.5	2304.9	2304.9
32.5°	6769.9	5870.6	4054.6	2617.5	2257.8	2189.7	2181.0	2191.4	2214.1	2228.1	2229.8
35°	6970.7	5889.8	3686.1	2367.8	2168.7	2132.1	2130.3	2137.3	2146.0	2154.8	2156.5
37.5°	7223.9	5975.4	3291.5	2222.9	2111.1	2090.2	2086.7	2084.9	2086.7	2086.7	2088.4
40°	7471.8	6104.6	2938.8	2137.3	2070.9	2053.5	2044.8	2032.5	2030.8	2027.3	2025.5
42.5°	7655.2	6204.1	2657.7	2076.2	2034.3	2013.3	2002.8	1983.6	1981.9	1980.1	1978.4
45°	7793.1	6287.9	2423.7	2016.8	1995.9	1976.7	1954.0	1936.5	1940.0	1943.5	1943.5
47.5°	7948.5	6361.3	2252.5	1960.9	1948.7	1929.5	1901.6	1889.3	1901.6	1913.8	1913.8
50°	8137.1	6464.3	2112.9	1905.1	1899.8	1877.1	1852.7	1847.4	1861.4	1878.9	1878.9
52.5°	8275.0	6553.3	2013.3	1849.2	1849.2	1819.5	1798.5	1796.8	1812.5	1830.0	1831.7
55°	8533.5	6761.1	1978.4	1784.6	1777.6	1754.9	1739.2	1727.0	1746.2	1761.9	1761.9
57.5°	8825.1	7037.0	1987.1	1692.0	1683.3	1676.3	1664.1	1650.1	1655.4	1672.8	1674.6
60°	8206.9	6502.7	1891.1	1599.5	1594.2	1590.8	1575.0	1550.6	1557.6	1571.5	1573.3
62.5°	5732.6	4321.7	1529.6	1484.2	1501.7	1500.0	1479.0	1451.1	1452.8	1472.0	1472.0
65°	2975.5	2338.1	1342.8	1379.5	1405.7	1395.2	1360.3	1335.8	1332.3	1356.8	1351.5
67.5°	1283.4	1276.4	1222.3	1269.5	1297.4	1274.7	1238.0	1197.9	1201.4	1210.1	1203.1
70°	1033.7	1065.2	1087.9	1138.5	1161.2	1119.3	1079.1	1056.4	1037.2	1035.5	1023.2
72.5°	825.9	869.6	920.2	972.6	979.6	937.7	887.0	866.1	836.4	834.7	822.4
75°	621.6	658.3	698.5	740.4	740.4	700.2	667.0	656.6	621.6	611.2	600.7
77.5°	424.3	447.0	478.4	488.9	499.4	483.7	450.5	433.0	392.9	382.4	368.4
80°	267.2	282.9	302.1	309.1	319.5	300.3	274.1	254.9	227.0	218.3	211.3
82.5°	160.6	171.1	183.3	186.8	195.6	181.6	157.2	143.2	127.5	120.5	115.2
85°	82.1	87.3	94.3	96.0	94.3	80.3	71.6	64.6	54.1	52.4	48.9
87.5°	21.0	24.4	26.2	24.4	22.7	17.5	12.2	8.7	3.5	3.5	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)