

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: P640014

Luminaire Tested: GWS-SA5D-722-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640014
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-SA5D-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18531.1 lumens
Efficiency: N/A
Efficacy: 90.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

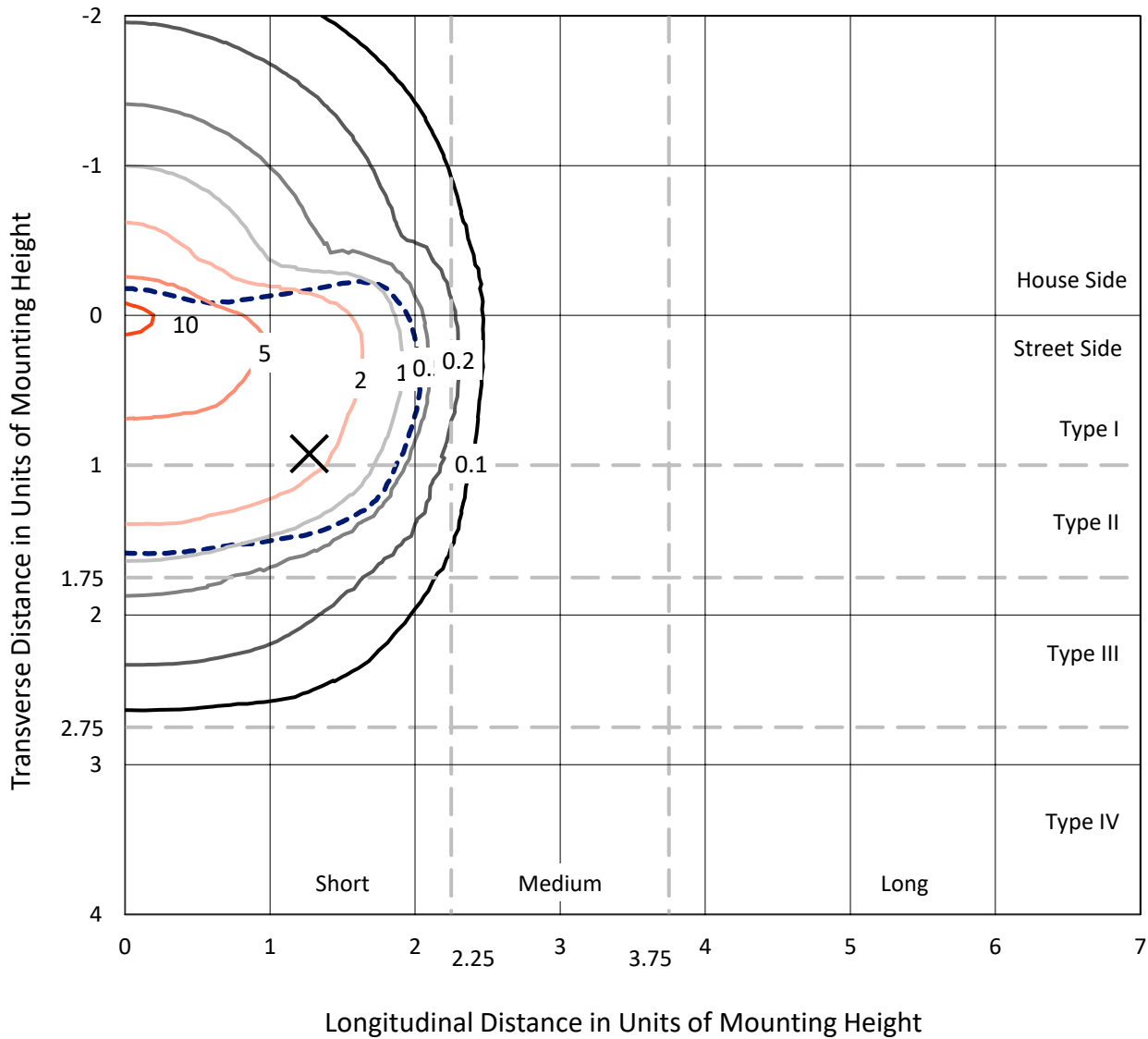
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

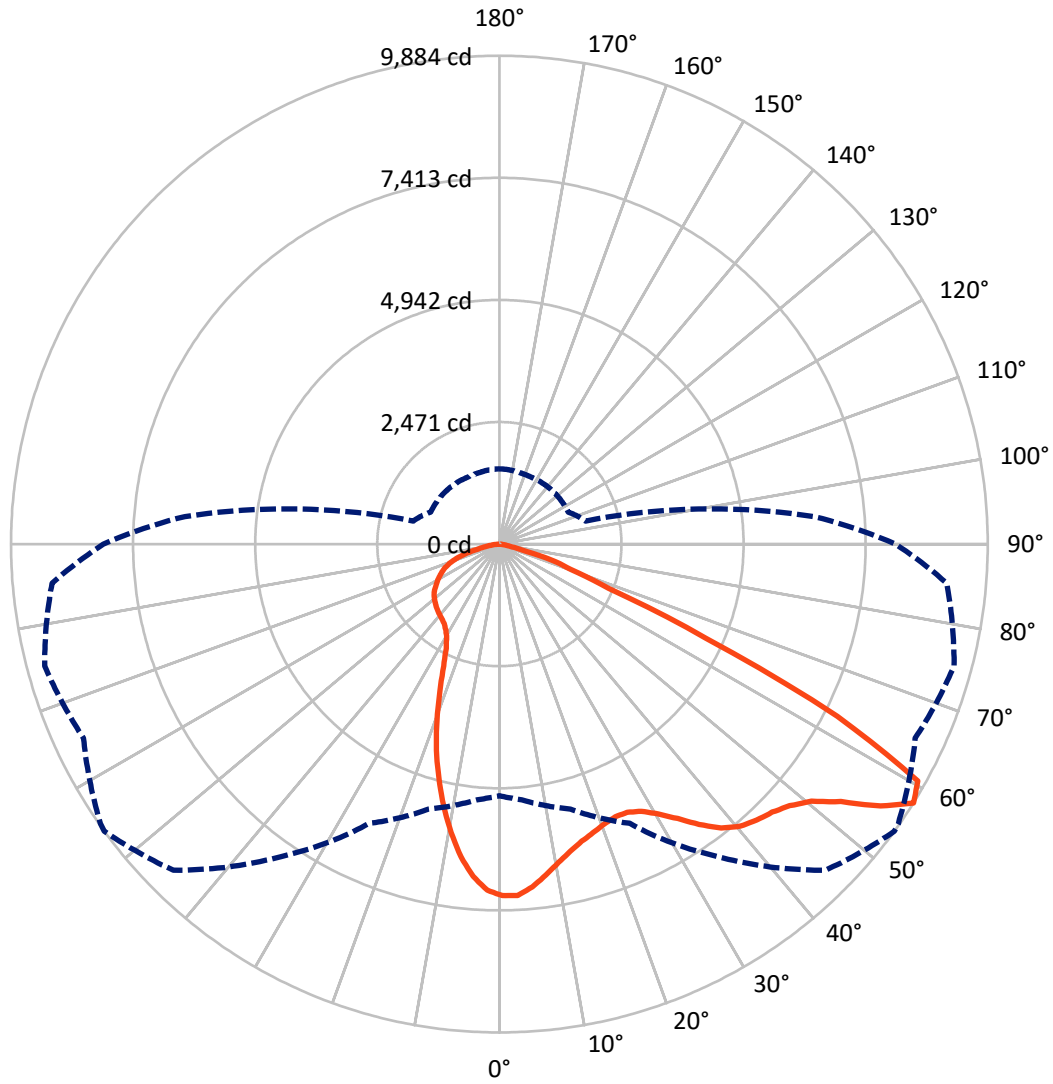
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 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	5387.2	0.0	5387.2
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	13143.9	0.0	13143.9
	% Fixture	70.9	0.0	70.9
Total	Lumens	18531.1	0.0	18531.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	625.4	3.4
10°-20°	1492.2	8.1
20°-30°	2065.0	11.1
30°-40°	2869.3	15.5
40°-50°	3789.4	20.4
50°-60°	4503.2	24.3
60°-70°	2494.8	13.5
70°-80°	621.3	3.4
80°-90°	70.6	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°	18531.1	100.0
0°-180°	18531.1	100.0

Coefficient of Utilization



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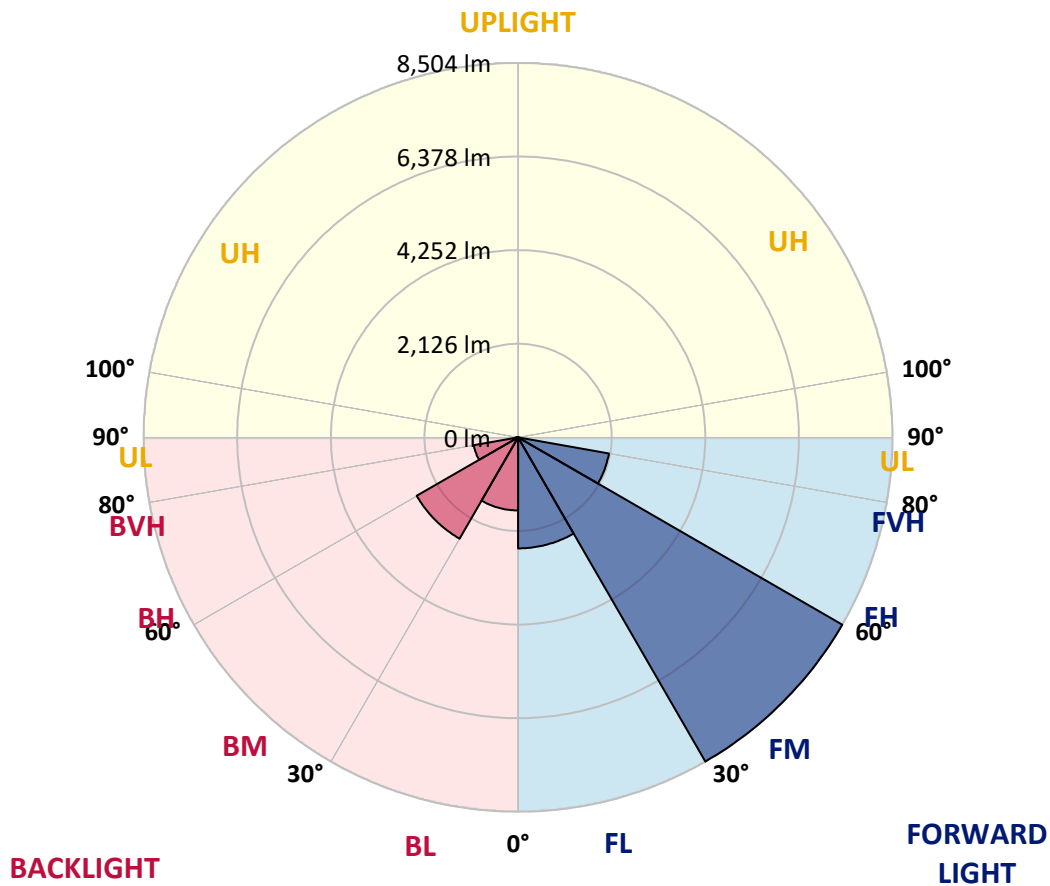
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2522.4	13.6			
FM (30°-60°)	8504.2	45.9			
FH (60°-80°)	2095.2	11.3			G2/5000
FVH (80°-90°)	22.1	0.1			G1/100
BL (0°-30°)	1660.1	9.0	B3/2500		
BM (30°-60°)	2657.6	14.3	B3/5000		
BH (60°-80°)	1020.9	5.5	B3/2500		G3/2500
BVH (80°-90°)	48.5	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°	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5
2.5°	6981.3	6995.5	7005.1	7038.4	7066.9	7092.3	7119.3	7119.3	7117.7	7112.9	7103.4
5°	6705.2	6721.1	6743.3	6789.3	6851.2	6895.6	6968.6	6974.9	7006.6	7019.3	7013.0
7.5°	6384.8	6389.6	6418.1	6478.4	6576.8	6656.1	6760.8	6773.5	6849.6	6894.0	6886.1
10°	6034.2	6018.4	6069.1	6158.0	6286.5	6419.7	6554.5	6565.7	6687.8	6771.9	6765.5
12.5°	5713.8	5715.4	5766.2	5874.0	6034.2	6199.2	6380.1	6405.4	6556.1	6664.0	6652.9
15°	5445.7	5452.1	5513.9	5636.1	5818.5	6015.2	6240.5	6264.3	6454.6	6597.4	6565.7
17.5°	5231.6	5237.9	5291.9	5431.5	5626.6	5864.5	6138.9	6162.7	6399.1	6568.8	6503.8
20°	5084.1	5080.9	5133.2	5266.5	5467.9	5726.5	6050.1	6085.0	6381.6	6579.9	6462.5
22.5°	5023.8	5022.2	5060.3	5169.7	5358.5	5620.2	5996.2	6043.8	6400.7	6629.1	6437.2
25°	5053.9	5047.6	5080.9	5161.8	5312.5	5579.0	6012.0	6062.8	6481.6	6730.6	6441.9
27.5°	5147.5	5139.6	5168.1	5241.1	5355.3	5621.8	6123.1	6181.8	6652.9	6916.2	6505.4
30°	5290.3	5285.5	5314.1	5383.9	5483.8	5764.6	6335.6	6402.3	6917.8	7204.9	6643.4
32.5°	5456.8	5448.9	5499.7	5580.6	5696.4	6024.7	6621.2	6708.4	7231.9	7576.1	6875.0
35°	5644.0	5637.7	5707.5	5824.9	5991.4	6386.4	6967.0	7062.2	7552.3	7996.5	7182.7
37.5°	5826.4	5826.4	5961.3	6135.8	6345.2	6779.8	7292.2	7352.5	7774.4	8369.3	7512.7
40°	5988.2	5997.8	6200.8	6462.5	6729.0	7135.1	7506.3	7557.1	7872.8	8626.2	7799.8
42.5°	6167.5	6175.4	6411.8	6754.4	7071.7	7422.3	7636.4	7661.8	7891.8	8754.7	8002.8
45°	6310.3	6321.4	6614.8	6981.3	7369.9	7638.0	7739.5	7761.7	7918.8	8824.5	8150.4
47.5°	6384.8	6400.7	6737.0	7163.7	7571.4	7831.5	7909.2	7918.8	8029.8	8946.7	8328.0
50°	6372.1	6403.9	6783.0	7254.1	7720.5	8026.6	8182.1	8197.9	8256.6	9125.9	8535.8
52.5°	6484.8	6499.0	6881.3	7362.0	7933.0	8386.7	8656.4	8678.6	8651.6	9260.8	8659.6
55°	6297.6	6365.8	6759.2	7346.1	8256.6	8943.5	9359.1	9348.0	9010.1	9411.5	8865.8
57.5°	5093.6	5193.5	5553.6	6235.7	7723.6	9333.7	9884.2	9857.2	9287.7	9527.3	9089.4
60°	3526.3	3542.2	3867.4	4351.2	5961.3	8245.5	9730.3	9789.0	9338.5	9381.3	8675.4
62.5°	2820.4	2815.7	2845.8	2858.5	3791.2	5796.3	7680.8	7895.0	7758.5	7309.6	6148.5
65°	2408.0	2425.4	2514.3	2468.3	2474.6	3264.6	4589.1	4619.3	4524.1	4362.3	3251.9
67.5°	1884.5	1914.7	2071.7	2250.9	2193.8	2101.8	2381.0	2366.7	1865.5	1443.5	1192.9
70°	1180.2	1199.2	1367.4	1767.1	1909.9	1725.9	1530.8	1524.4	999.4	821.7	901.0
72.5°	688.4	691.6	739.2	985.1	1267.4	1180.2	1126.3	1085.0	642.4	655.1	718.6
75°	379.1	379.1	377.5	425.1	499.7	442.6	428.3	417.2	429.9	487.0	534.6
77.5°	79.3	80.9	85.7	112.6	145.9	177.7	223.7	225.3	280.8	325.2	363.3
80°	36.5	38.1	47.6	60.3	77.7	103.1	136.4	138.0	169.7	204.6	230.0
82.5°	19.0	20.6	25.4	31.7	41.2	53.9	76.1	76.1	101.5	120.6	136.4
85°	6.3	6.3	9.5	12.7	17.4	22.2	30.1	30.1	44.4	58.7	68.2
87.5°	0.0	0.0	0.0	0.0	1.6	3.2	6.3	6.3	7.9	9.5	15.9
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°	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5	7114.5
2.5°	7082.8	7033.6	7035.2	7044.7	7014.6	6968.6	6938.4	6900.4	6876.6	6871.8	6889.3
5°	6981.3	6924.2	6884.5	6843.3	6757.6	6656.1	6576.8	6511.7	6468.9	6453.0	6434.0
7.5°	6841.7	6767.1	6667.2	6551.4	6395.9	6215.1	6088.2	5969.2	5886.7	5862.9	5851.8
10°	6702.1	6594.2	6416.5	6200.8	5942.2	5698.0	5467.9	5291.9	5152.3	5073.0	5098.3
12.5°	6557.7	6424.5	6146.9	5815.3	5455.3	5087.2	4785.8	4494.0	4268.7	4156.1	4122.8
15°	6430.8	6250.0	5862.9	5414.0	4934.9	4471.8	4035.5	3597.7	3312.2	3156.7	3113.9
17.5°	6323.0	6088.2	5563.1	5004.7	4432.1	3772.2	3236.0	2829.9	2634.8	2549.2	2542.8
20°	6216.7	5929.6	5266.5	4563.8	3851.5	3112.3	2633.2	2442.9	2373.1	2343.0	2341.4
22.5°	6121.5	5763.0	4954.0	4122.8	3274.1	2615.8	2352.5	2270.0	2250.9	2250.9	2247.8
25°	6040.6	5596.4	4633.6	3654.8	2752.2	2328.7	2206.5	2171.6	2179.6	2193.8	2195.4
27.5°	6007.3	5466.4	4324.2	3174.2	2392.1	2162.1	2106.6	2101.8	2124.0	2146.3	2149.4
30°	6042.2	5377.5	4007.0	2714.1	2176.4	2060.6	2035.2	2044.7	2071.7	2093.9	2093.9
32.5°	6150.0	5333.1	3683.4	2377.8	2051.1	1989.2	1981.3	1990.8	2011.4	2024.1	2025.7
35°	6332.5	5350.6	3348.7	2151.0	1970.2	1936.9	1935.3	1941.6	1949.6	1957.5	1959.1
37.5°	6562.5	5428.3	2990.2	2019.3	1917.8	1898.8	1895.6	1894.0	1895.6	1895.6	1897.2
40°	6787.7	5545.7	2669.7	1941.6	1881.3	1865.5	1857.5	1846.4	1844.9	1841.7	1840.1
42.5°	6954.3	5636.1	2414.3	1886.1	1848.0	1829.0	1819.5	1802.0	1800.4	1798.9	1797.3
45°	7079.6	5712.2	2201.8	1832.2	1813.1	1795.7	1775.1	1759.2	1762.4	1765.5	1765.5
47.5°	7220.8	5778.9	2046.3	1781.4	1770.3	1752.9	1727.5	1716.4	1727.5	1738.6	1738.6
50°	7392.1	5872.4	1919.4	1730.6	1725.9	1705.3	1683.1	1678.3	1691.0	1706.8	1706.8
52.5°	7517.4	5953.3	1829.0	1679.9	1679.9	1652.9	1633.9	1632.3	1646.6	1662.4	1664.0
55°	7752.2	6142.1	1797.3	1621.2	1614.8	1594.2	1579.9	1568.8	1586.3	1600.6	1600.6
57.5°	8017.1	6392.7	1805.2	1537.1	1529.2	1522.8	1511.7	1499.0	1503.8	1519.7	1521.3
60°	7455.6	5907.3	1718.0	1453.0	1448.3	1445.1	1430.8	1408.6	1415.0	1427.7	1429.2
62.5°	5207.8	3926.1	1389.6	1348.3	1364.2	1362.6	1343.6	1318.2	1319.8	1337.2	1337.2
65°	2703.0	2124.0	1219.9	1253.2	1277.0	1267.4	1235.7	1213.5	1210.3	1232.5	1227.8
67.5°	1165.9	1159.6	1110.4	1153.2	1178.6	1158.0	1124.7	1088.2	1091.4	1099.3	1093.0
70°	939.1	967.6	988.3	1034.3	1054.9	1016.8	980.3	959.7	942.3	940.7	929.6
72.5°	750.3	790.0	836.0	883.6	889.9	851.8	805.8	786.8	759.8	758.2	747.1
75°	564.7	598.0	634.5	672.6	672.6	636.1	606.0	596.4	564.7	555.2	545.7
77.5°	385.5	406.1	434.6	444.2	453.7	439.4	409.3	393.4	356.9	347.4	334.7
80°	242.7	257.0	274.4	280.8	290.3	272.8	249.0	231.6	206.2	198.3	191.9
82.5°	145.9	155.5	166.6	169.7	177.7	165.0	142.8	130.1	115.8	109.5	104.7
85°	74.6	79.3	85.7	87.2	85.7	73.0	65.0	58.7	49.2	47.6	44.4
87.5°	19.0	22.2	23.8	22.2	20.6	15.9	11.1	7.9	3.2	3.2	1.6
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)