

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: P636219

Luminaire Tested: GWS-SA3F-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636219
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-SA3F-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20195.5 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

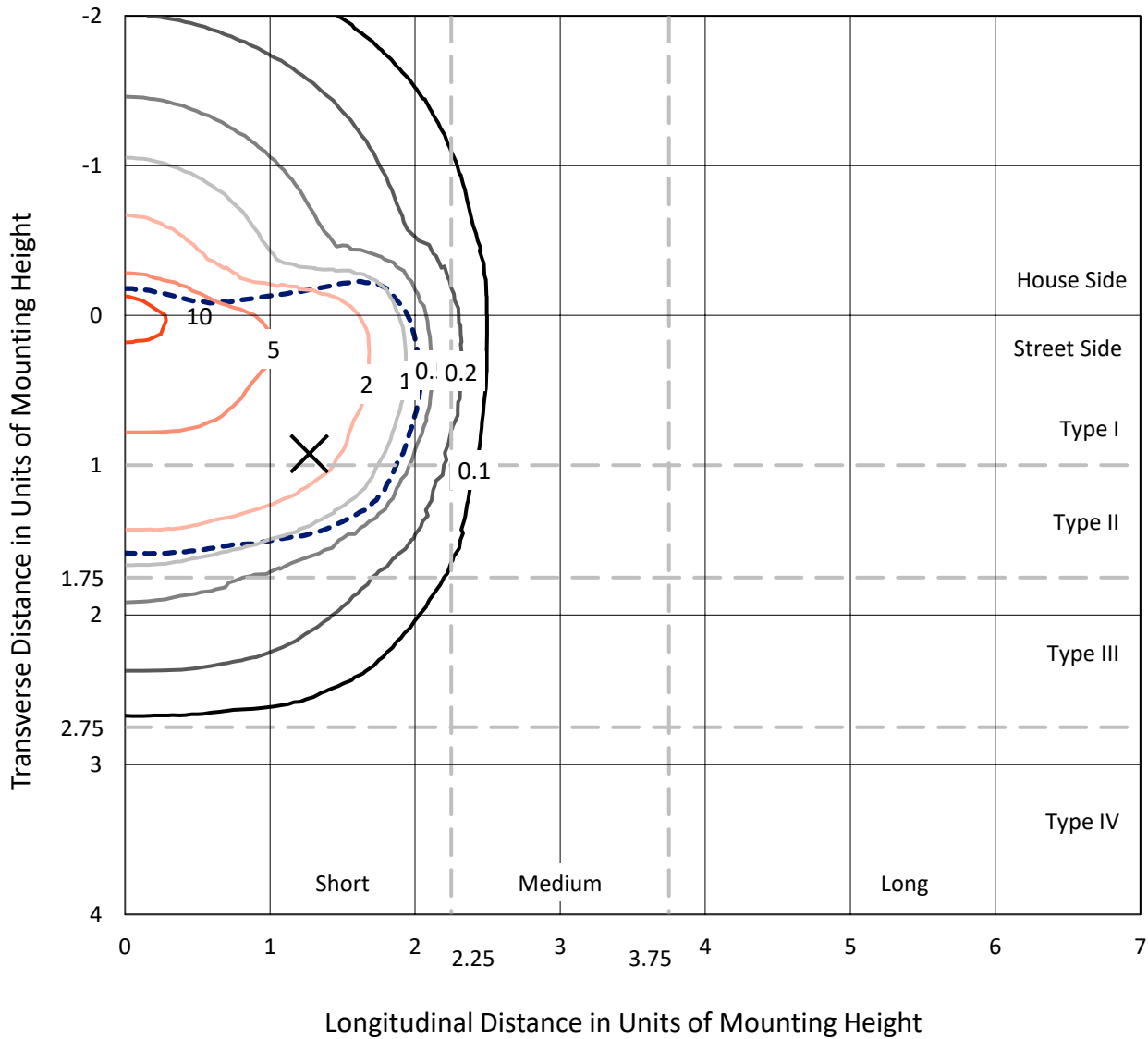
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

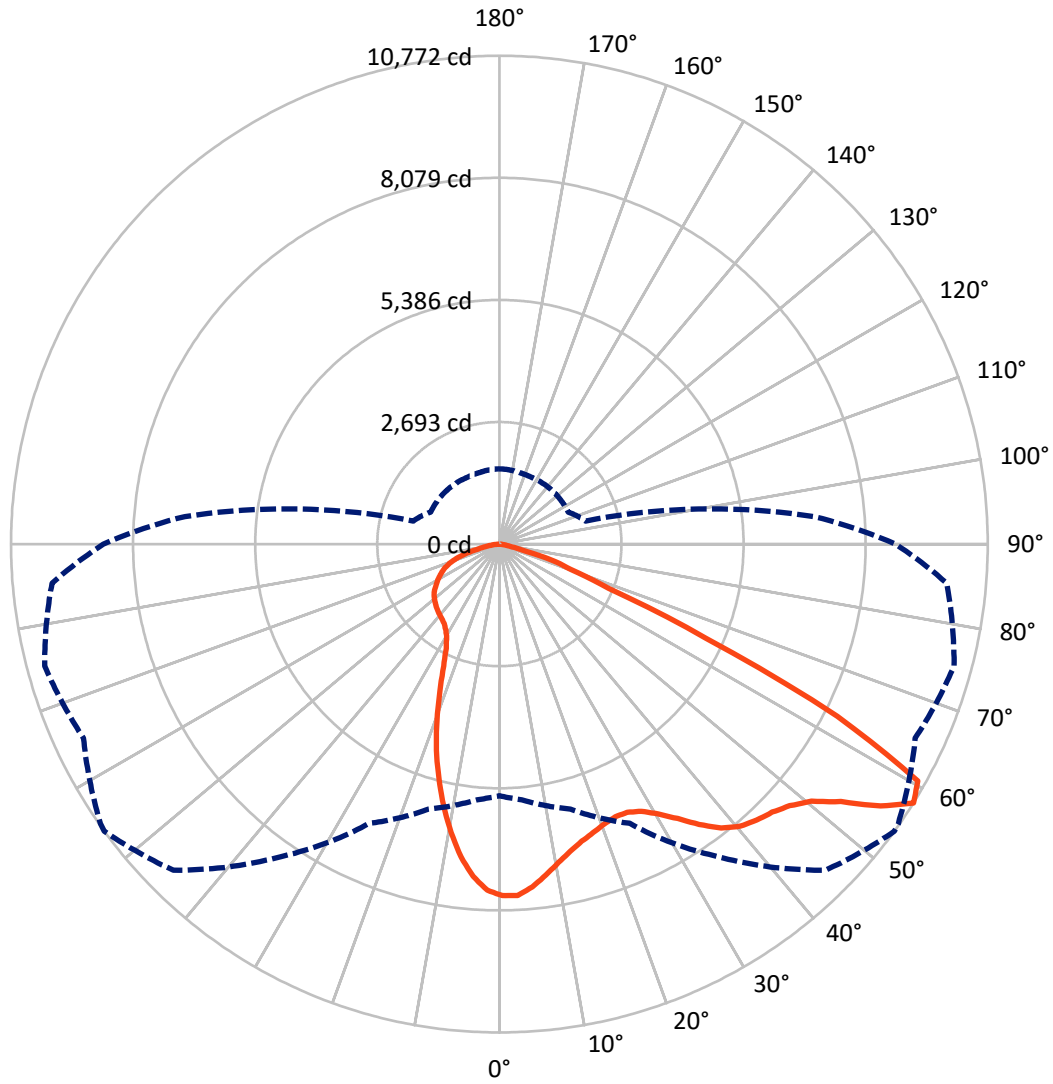
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.4 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	5871.1	0.0	5871.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	14324.4	0.0	14324.4
	% Fixture	70.9	0.0	70.9
Total	Lumens	20195.5	0.0	20195.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	681.5	3.4
10°-20°	1626.2	8.1
20°-30°	2250.4	11.1
30°-40°	3127.0	15.5
40°-50°	4129.8	20.4
50°-60°	4907.6	24.3
60°-70°	2718.9	13.5
70°-80°	677.1	3.4
80°-90°	77.0	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°	20195.5	100.0
0°-180°	20195.5	100.0

Coefficient of Utilization



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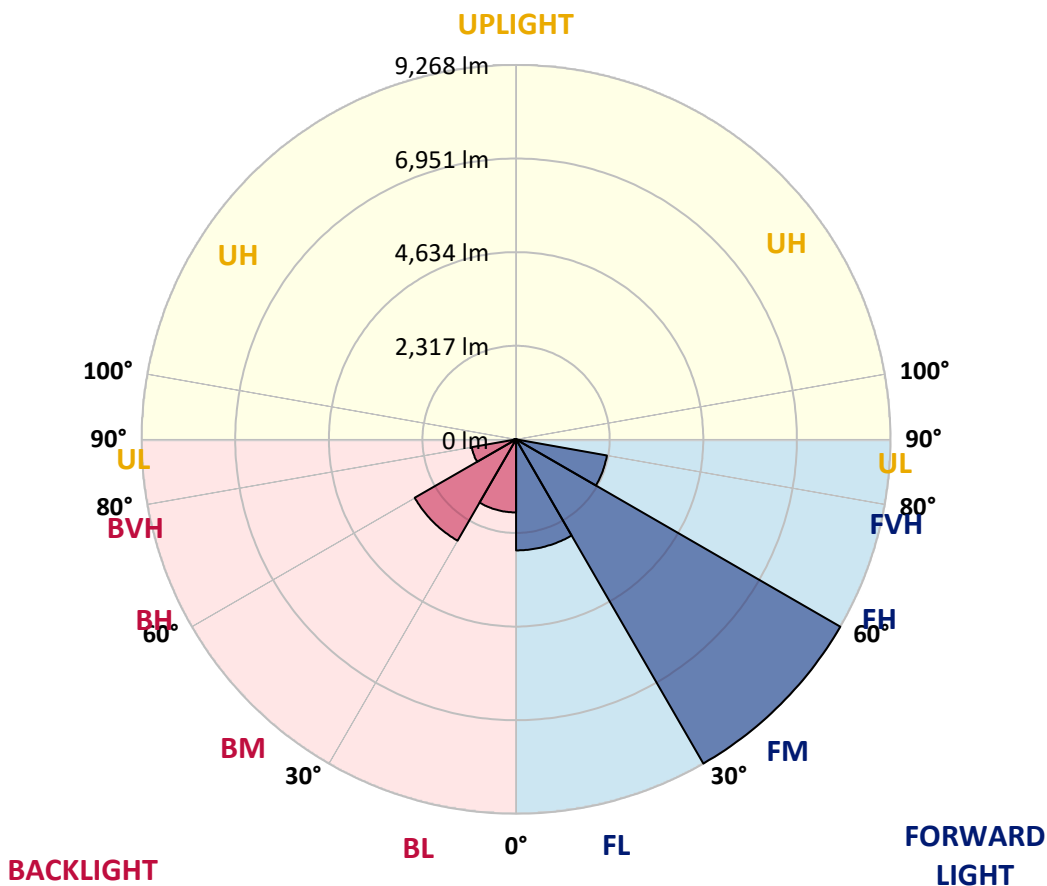
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2748.9	13.6			
FM (30°-60°)	9268.0	45.9			
FH (60°-80°)	2283.4	11.3			G2/5000
FVH (80°-90°)	24.1	0.1			G1/100
BL (0°-30°)	1809.2	9.0	B3/2500		
BM (30°-60°)	2896.3	14.3	B3/5000		
BH (60°-80°)	1112.6	5.5	B3/2500		G3/2500
BVH (80°-90°)	52.9	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5
2.5°	7608.3	7623.9	7634.2	7670.5	7701.6	7729.3	7758.7	7758.7	7757.0	7751.8	7741.4
5°	7307.5	7324.8	7349.0	7399.1	7466.5	7514.9	7594.5	7601.4	7636.0	7649.8	7642.9
7.5°	6958.3	6963.5	6994.6	7060.3	7167.5	7253.9	7368.0	7381.8	7464.8	7513.2	7504.6
10°	6576.2	6558.9	6614.3	6711.1	6851.1	6996.3	7143.3	7155.4	7288.5	7380.1	7373.2
12.5°	6227.0	6228.7	6284.1	6401.6	6576.2	6756.0	6953.1	6980.8	7145.0	7262.5	7250.4
15°	5934.9	5941.8	6009.2	6142.3	6341.1	6555.5	6801.0	6826.9	7034.3	7189.9	7155.4
17.5°	5701.5	5708.4	5767.2	5919.3	6131.9	6391.2	6690.3	6716.3	6973.8	7158.8	7087.9
20°	5540.7	5537.2	5594.3	5739.5	5959.1	6240.8	6593.5	6631.5	6954.8	7170.9	7043.0
22.5°	5475.0	5473.3	5514.8	5634.0	5839.8	6125.0	6534.7	6586.6	6975.6	7224.5	7015.3
25°	5507.8	5500.9	5537.2	5625.4	5789.6	6080.1	6552.0	6607.3	7063.7	7335.1	7020.5
27.5°	5609.8	5601.2	5632.3	5711.8	5836.3	6126.7	6673.0	6737.0	7250.4	7537.4	7089.7
30°	5765.4	5760.2	5791.4	5867.4	5976.3	6282.3	6904.7	6977.3	7539.1	7852.1	7240.1
32.5°	5947.0	5938.3	5993.6	6081.8	6208.0	6565.8	7215.9	7310.9	7881.4	8256.6	7492.5
35°	6150.9	6144.0	6220.1	6348.0	6529.5	6960.0	7592.7	7696.5	8230.7	8714.7	7827.8
37.5°	6349.8	6349.8	6496.7	6686.9	6915.1	7388.7	7947.1	8012.8	8472.7	9121.0	8187.4
40°	6526.1	6536.5	6757.7	7043.0	7333.4	7776.0	8180.5	8235.8	8579.9	9401.0	8500.3
42.5°	6721.4	6730.1	6987.7	7361.1	7706.8	8088.9	8322.3	8349.9	8600.6	9541.1	8721.6
45°	6877.0	6889.1	7209.0	7608.3	8031.8	8324.0	8434.6	8458.8	8630.0	9617.1	8882.4
47.5°	6958.3	6975.6	7342.1	7807.1	8251.4	8534.9	8619.6	8630.0	8751.0	9750.2	9076.0
50°	6944.4	6979.0	7392.2	7905.6	8413.9	8747.6	8917.0	8934.3	8998.2	9945.6	9302.5
52.5°	7067.2	7082.8	7499.4	8023.2	8645.6	9140.0	9433.9	9458.1	9428.7	10092.5	9437.3
55°	6863.2	6937.5	7366.3	8005.9	8998.2	9746.8	10199.7	10187.6	9819.4	10256.8	9662.1
57.5°	5551.1	5660.0	6052.4	6795.8	8417.4	10172.1	10771.9	10742.5	10121.9	10383.0	9905.8
60°	3843.0	3860.3	4214.7	4742.0	6496.7	8986.1	10604.2	10668.2	10177.2	10223.9	9454.6
62.5°	3073.7	3068.6	3101.4	3115.2	4131.7	6316.9	8370.7	8604.1	8455.4	7966.1	6700.7
65°	2624.3	2643.3	2740.1	2690.0	2696.9	3557.8	5001.3	5034.2	4930.4	4754.1	3544.0
67.5°	2053.8	2086.6	2257.8	2453.1	2390.9	2290.6	2594.9	2579.3	2033.0	1573.2	1300.0
70°	1286.2	1306.9	1490.2	1925.8	2081.4	1880.9	1668.3	1661.3	1089.1	895.5	981.9
72.5°	750.3	753.7	805.6	1073.6	1381.3	1286.2	1227.4	1182.5	700.1	714.0	783.1
75°	413.2	413.2	411.4	463.3	544.6	482.3	466.8	454.7	468.5	530.7	582.6
77.5°	86.4	88.2	93.4	122.7	159.0	193.6	243.8	245.5	306.0	354.4	395.9
80°	39.8	41.5	51.9	65.7	84.7	112.4	148.7	150.4	185.0	223.0	250.7
82.5°	20.7	22.5	27.7	34.6	44.9	58.8	83.0	83.0	110.6	131.4	148.7
85°	6.9	6.9	10.4	13.8	19.0	24.2	32.8	32.8	48.4	64.0	74.3
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	6.9	6.9	8.6	10.4	17.3
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°	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5	7753.5
2.5°	7718.9	7665.3	7667.1	7677.4	7644.6	7594.5	7561.6	7520.1	7494.2	7489.0	7508.0
5°	7608.3	7546.1	7502.8	7457.9	7364.5	7253.9	7167.5	7096.6	7049.9	7032.6	7011.9
7.5°	7456.2	7374.9	7266.0	7139.8	6970.4	6773.3	6635.0	6505.3	6415.4	6389.5	6377.4
10°	7304.0	7186.5	6992.9	6757.7	6476.0	6209.7	5959.1	5767.2	5615.0	5528.6	5556.3
12.5°	7146.7	7001.5	6699.0	6337.7	5945.2	5544.1	5215.7	4897.6	4652.1	4529.4	4493.1
15°	7008.4	6811.3	6389.5	5900.3	5378.2	4873.4	4398.0	3920.8	3609.7	3440.2	3393.6
17.5°	6890.9	6635.0	6062.8	5454.3	4830.2	4111.0	3526.7	3084.1	2871.5	2778.1	2771.2
20°	6775.0	6462.1	5739.5	4973.7	4197.4	3391.8	2869.7	2662.3	2586.2	2553.4	2551.7
22.5°	6671.3	6280.6	5398.9	4493.1	3568.2	2850.7	2563.8	2473.9	2453.1	2453.1	2449.7
25°	6583.1	6099.1	5049.7	3983.1	2999.4	2537.8	2404.7	2366.7	2375.3	2390.9	2392.6
27.5°	6546.8	5957.3	4712.6	3459.3	2607.0	2356.3	2295.8	2290.6	2314.8	2339.0	2342.5
30°	6584.9	5860.5	4366.9	2957.9	2371.9	2245.7	2218.0	2228.4	2257.8	2282.0	2282.0
32.5°	6702.4	5812.1	4014.2	2591.4	2235.3	2167.9	2159.2	2169.6	2192.1	2205.9	2207.6
35°	6901.2	5831.1	3649.4	2344.2	2147.1	2110.8	2109.1	2116.0	2124.7	2133.3	2135.0
37.5°	7151.9	5915.8	3258.7	2200.7	2090.1	2069.3	2065.9	2064.1	2065.9	2065.9	2067.6
40°	7397.4	6043.8	2909.5	2116.0	2050.3	2033.0	2024.4	2012.3	2010.6	2007.1	2005.4
42.5°	7578.9	6142.3	2631.2	2055.5	2014.0	1993.3	1982.9	1963.9	1962.1	1960.4	1958.7
45°	7715.5	6225.3	2399.5	1996.7	1976.0	1957.0	1934.5	1917.2	1920.7	1924.1	1924.1
47.5°	7869.3	6297.9	2230.1	1941.4	1929.3	1910.3	1882.6	1870.5	1882.6	1894.7	1894.7
50°	8056.0	6399.9	2091.8	1886.1	1880.9	1858.4	1834.2	1829.0	1842.9	1860.2	1860.2
52.5°	8192.6	6488.1	1993.3	1830.8	1830.8	1801.4	1780.6	1778.9	1794.5	1811.7	1813.5
55°	8448.5	6693.8	1958.7	1766.8	1759.9	1737.4	1721.8	1709.7	1728.8	1744.3	1744.3
57.5°	8737.2	6966.9	1967.3	1675.2	1666.5	1659.6	1647.5	1633.7	1638.9	1656.2	1657.9
60°	8125.2	6437.9	1872.3	1583.5	1578.4	1574.9	1559.3	1535.1	1542.1	1555.9	1557.6
62.5°	5675.5	4278.7	1514.4	1469.5	1486.7	1485.0	1464.3	1436.6	1438.3	1457.3	1457.3
65°	2945.8	2314.8	1329.4	1365.7	1391.7	1381.3	1346.7	1322.5	1319.0	1343.3	1338.1
67.5°	1270.6	1263.7	1210.1	1256.8	1284.5	1262.0	1225.7	1185.9	1189.4	1198.0	1191.1
70°	1023.4	1054.5	1077.0	1127.2	1149.6	1108.1	1068.4	1045.9	1026.9	1025.2	1013.1
72.5°	817.7	860.9	911.1	962.9	969.8	928.3	878.2	857.5	828.1	826.3	814.2
75°	615.4	651.7	691.5	733.0	733.0	693.2	660.4	650.0	615.4	605.1	594.7
77.5°	420.1	442.6	473.7	484.1	494.4	478.9	446.0	428.7	389.0	378.6	364.8
80°	264.5	280.1	299.1	306.0	316.4	297.3	271.4	252.4	224.7	216.1	209.2
82.5°	159.0	169.4	181.5	185.0	193.6	179.8	155.6	141.8	126.2	119.3	114.1
85°	81.3	86.4	93.4	95.1	93.4	79.5	70.9	64.0	53.6	51.9	48.4
87.5°	20.7	24.2	25.9	24.2	22.5	17.3	12.1	8.6	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)