

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: P636329

Luminaire Tested: GWS-SA3F-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636329
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-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20945.4 lumens
Efficiency: N/A
Efficacy: 114.3 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

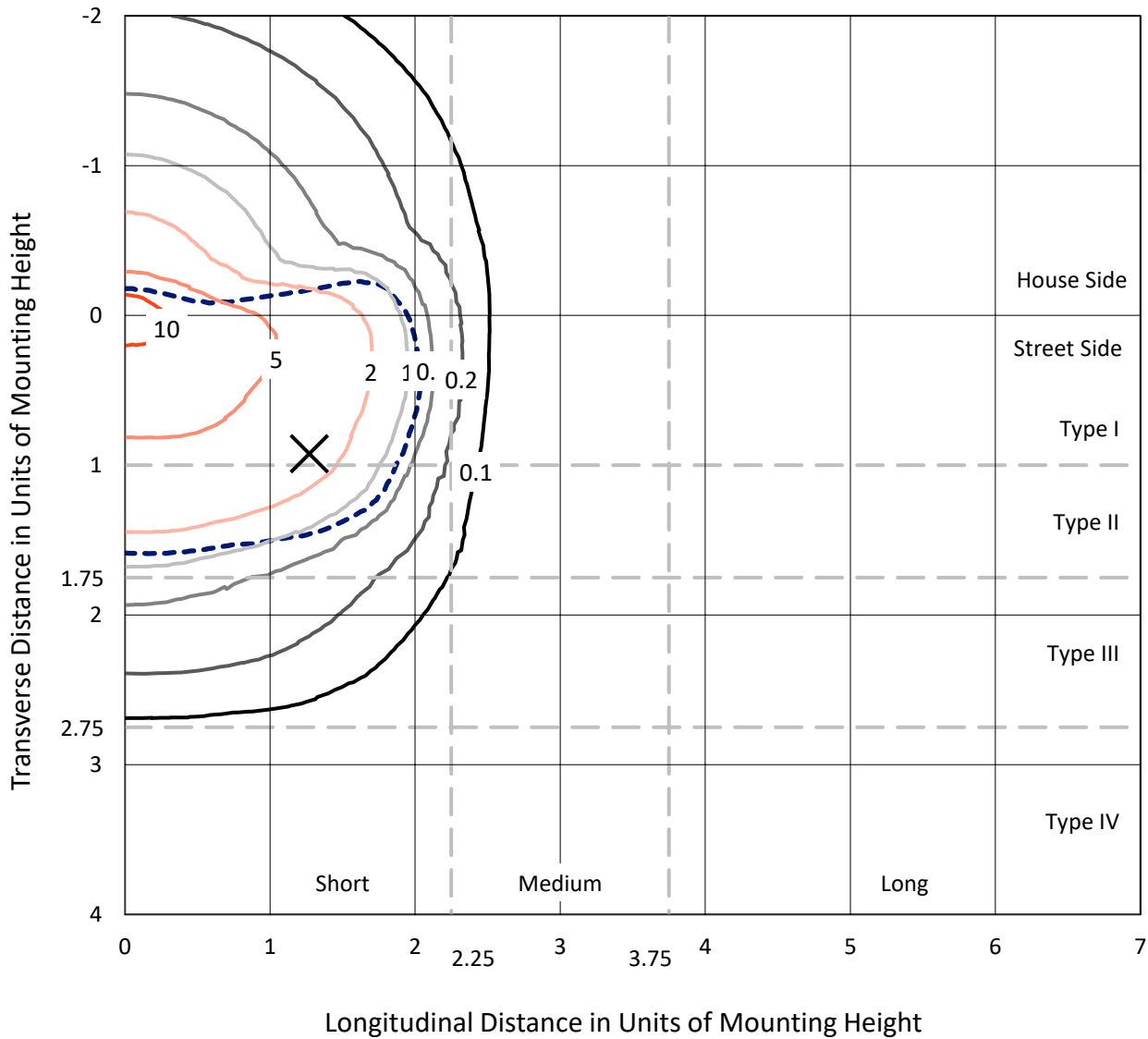
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

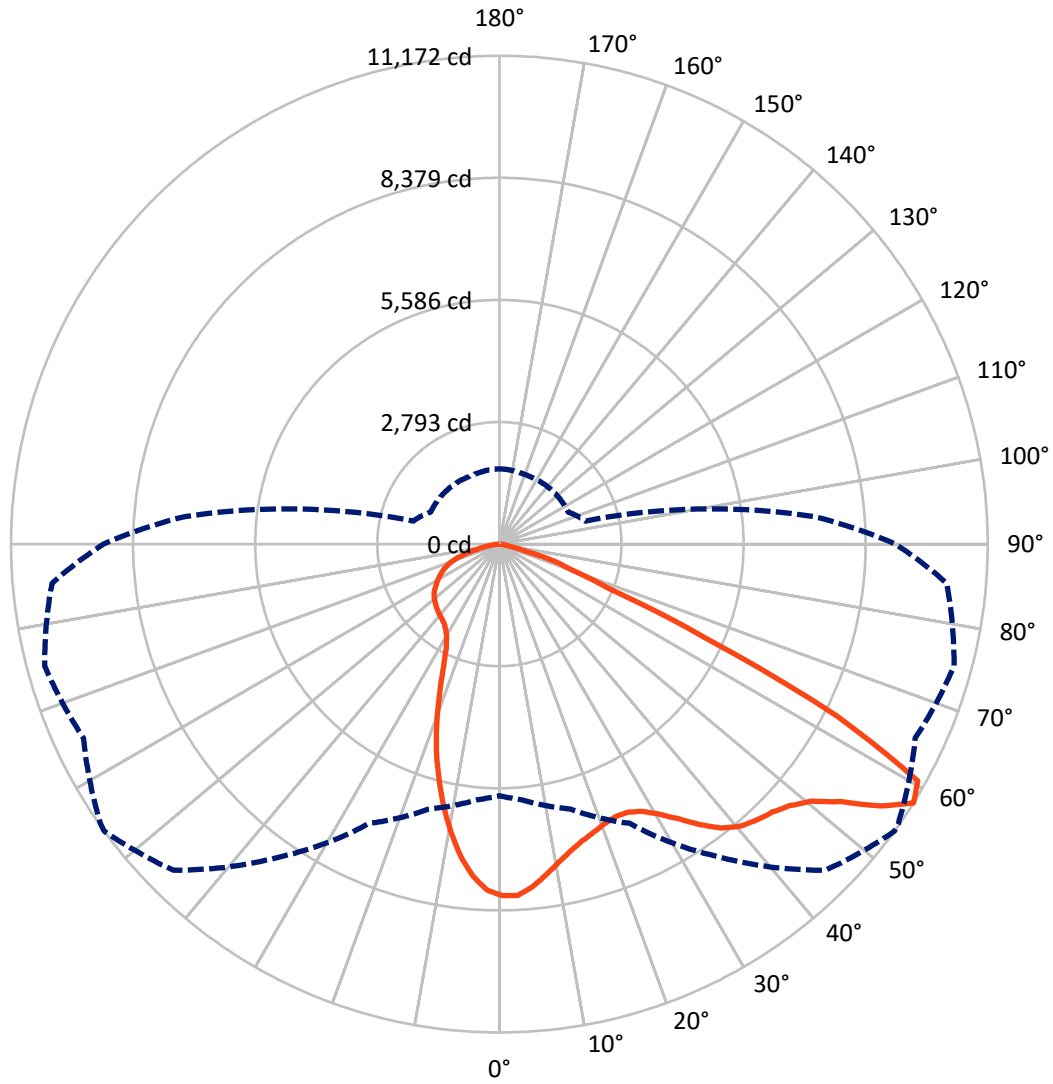
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 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	6089.1	0.0	6089.1
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	14856.3	0.0	14856.3
	% Fixture	70.9	0.0	70.9
Total	Lumens	20945.4	0.0	20945.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.8	3.4
10°-20°	1686.6	8.1
20°-30°	2334.0	11.1
30°-40°	3243.1	15.5
40°-50°	4283.1	20.4
50°-60°	5089.9	24.3
60°-70°	2819.9	13.5
70°-80°	702.2	3.4
80°-90°	79.9	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°	20945.4	100.0
0°-180°	20945.4	100.0

Coefficient of Utilization



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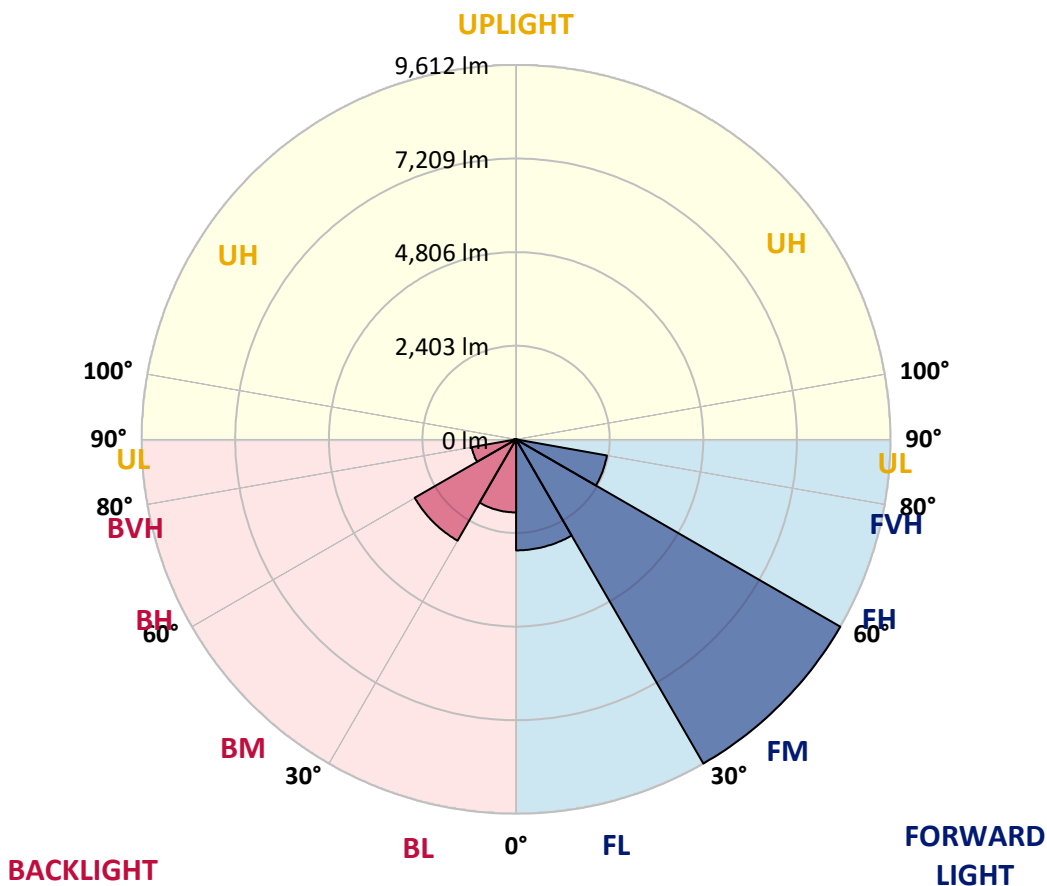
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2851.0	13.6			
FM (30°-60°)	9612.2	45.9			
FH (60°-80°)	2368.2	11.3			G2/5000
FVH (80°-90°)	25.0	0.1			G1/100
BL (0°-30°)	1876.4	9.0	B3/2500		
BM (30°-60°)	3003.9	14.3	B3/5000		
BH (60°-80°)	1153.9	5.5	B3/2500		G3/2500
BVH (80°-90°)	54.9	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°	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4
2.5°	7890.8	7906.9	7917.7	7955.4	7987.6	8016.3	8046.8	8046.8	8045.0	8039.6	8028.9
5°	7578.8	7596.8	7621.9	7673.9	7743.8	7794.0	7876.5	7883.6	7919.5	7933.8	7926.7
7.5°	7216.7	7222.0	7254.3	7322.4	7433.6	7523.2	7641.6	7655.9	7742.0	7792.2	7783.2
10°	6820.4	6802.5	6859.9	6960.3	7105.5	7256.1	7408.5	7421.1	7559.1	7654.1	7647.0
12.5°	6458.2	6460.0	6517.4	6639.3	6820.4	7006.9	7211.3	7240.0	7410.3	7532.2	7519.7
15°	6155.2	6162.4	6232.3	6370.4	6576.6	6798.9	7053.5	7080.4	7295.5	7456.9	7421.1
17.5°	5913.2	5920.3	5981.3	6139.1	6359.6	6628.6	6938.7	6965.6	7232.8	7424.6	7351.1
20°	5746.4	5742.8	5802.0	5952.6	6180.3	6472.6	6838.3	6877.8	7213.1	7437.2	7304.5
22.5°	5678.3	5676.5	5719.5	5843.2	6056.6	6352.4	6777.4	6831.2	7234.6	7492.8	7275.8
25°	5712.4	5705.2	5742.8	5834.3	6004.6	6305.8	6795.3	6852.7	7326.0	7607.5	7281.2
27.5°	5818.1	5809.2	5841.5	5923.9	6053.0	6354.2	6920.8	6987.2	7519.7	7817.3	7352.9
30°	5979.5	5974.1	6006.4	6085.3	6198.3	6515.6	7161.1	7236.4	7819.1	8143.6	7508.9
32.5°	6167.8	6158.8	6216.2	6307.6	6438.5	6809.7	7483.8	7582.4	8174.1	8563.2	7770.7
35°	6379.3	6372.2	6451.1	6583.7	6772.0	7218.4	7874.7	7982.2	8536.3	9038.3	8118.5
37.5°	6585.5	6585.5	6737.9	6935.2	7171.8	7663.1	8242.2	8310.4	8787.3	9459.6	8491.4
40°	6768.4	6779.2	7008.7	7304.5	7605.7	8064.7	8484.3	8541.6	8898.4	9750.1	8816.0
42.5°	6971.0	6980.0	7247.1	7634.4	7993.0	8389.2	8631.3	8660.0	8920.0	9895.3	9045.5
45°	7132.4	7144.9	7476.6	7890.8	8330.1	8633.1	8747.8	8772.9	8950.4	9974.2	9212.2
47.5°	7216.7	7234.6	7614.7	8097.0	8557.8	8851.8	8939.7	8950.4	9076.0	10112.3	9413.0
50°	7202.3	7238.2	7666.7	8199.2	8726.3	9072.4	9248.1	9266.0	9332.3	10314.9	9647.9
52.5°	7329.6	7345.7	7777.8	8321.1	8966.6	9479.4	9784.2	9809.3	9778.8	10467.3	9787.8
55°	7118.0	7195.1	7639.8	8303.2	9332.3	10108.7	10578.4	10565.9	10184.0	10637.6	10020.8
57.5°	5757.2	5870.1	6277.1	7048.1	8729.9	10549.8	11171.9	11141.4	10497.8	10768.5	10273.6
60°	3985.7	4003.7	4371.2	4918.1	6737.9	9319.8	10998.0	11064.3	10555.1	10603.6	9805.7
62.5°	3187.9	3182.5	3216.6	3230.9	4285.2	6551.5	8681.5	8923.5	8769.4	8261.9	6949.5
65°	2721.7	2741.4	2841.8	2789.8	2797.0	3689.9	5187.0	5221.1	5113.5	4930.6	3675.6
67.5°	2130.0	2164.1	2341.6	2544.2	2479.7	2375.7	2691.2	2675.1	2108.5	1631.6	1348.3
70°	1334.0	1355.5	1545.5	1997.4	2158.7	1950.7	1730.2	1723.0	1129.6	928.8	1018.4
72.5°	778.1	781.7	835.5	1113.4	1432.6	1334.0	1273.0	1226.4	726.1	740.5	812.2
75°	428.5	428.5	426.7	480.5	564.8	500.2	484.1	471.5	485.9	550.4	604.2
77.5°	89.6	91.4	96.8	127.3	165.0	200.8	252.8	254.6	317.4	367.6	410.6
80°	41.2	43.0	53.8	68.1	87.9	116.5	154.2	156.0	191.8	231.3	260.0
82.5°	21.5	23.3	28.7	35.9	46.6	61.0	86.1	86.1	114.7	136.3	154.2
85°	7.2	7.2	10.8	14.3	19.7	25.1	34.1	34.1	50.2	66.3	77.1
87.5°	0.0	0.0	0.0	0.0	1.8	3.6	7.2	7.2	9.0	10.8	17.9
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°	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4	8041.4
2.5°	8005.6	7950.0	7951.8	7962.5	7928.5	7876.5	7842.4	7799.4	7772.5	7767.1	7786.8
5°	7890.8	7826.3	7781.4	7734.8	7638.0	7523.2	7433.6	7360.1	7311.7	7293.8	7272.2
7.5°	7733.0	7648.8	7535.8	7404.9	7229.2	7024.8	6881.4	6746.9	6653.7	6626.8	6614.2
10°	7575.2	7453.3	7252.5	7008.7	6716.4	6440.3	6180.3	5981.3	5823.5	5733.9	5762.6
12.5°	7412.1	7261.5	6947.7	6573.0	6166.0	5750.0	5409.4	5079.4	4824.8	4697.5	4659.9
15°	7268.6	7064.3	6626.8	6119.4	5577.9	5054.3	4561.3	4066.4	3743.7	3568.0	3519.6
17.5°	7146.7	6881.4	6287.9	5656.8	5009.5	4263.7	3657.6	3198.6	2978.1	2881.3	2874.1
20°	7026.6	6702.1	5952.6	5158.3	4353.3	3517.8	2976.3	2761.2	2682.3	2648.2	2646.4
22.5°	6919.0	6513.8	5599.4	4659.9	3700.7	2956.6	2659.0	2565.7	2544.2	2544.2	2540.6
25°	6827.6	6325.6	5237.2	4131.0	3110.8	2632.1	2494.0	2454.6	2463.5	2479.7	2481.5
27.5°	6789.9	6178.5	4887.6	3587.7	2703.8	2443.8	2381.0	2375.7	2400.8	2425.9	2429.5
30°	6829.4	6078.1	4529.0	3067.8	2459.9	2329.1	2300.4	2311.1	2341.6	2366.7	2366.7
32.5°	6951.3	6027.9	4163.2	2687.6	2318.3	2248.4	2239.4	2250.2	2273.5	2287.8	2289.6
35°	7157.5	6047.6	3784.9	2431.3	2226.9	2189.2	2187.4	2194.6	2203.5	2212.5	2214.3
37.5°	7417.5	6135.5	3379.7	2282.4	2167.7	2146.2	2142.6	2140.8	2142.6	2142.6	2144.4
40°	7672.1	6268.2	3017.5	2194.6	2126.4	2108.5	2099.6	2087.0	2085.2	2081.6	2079.8
42.5°	7860.3	6370.4	2728.9	2131.8	2088.8	2067.3	2056.5	2036.8	2035.0	2033.2	2031.4
45°	8002.0	6456.4	2488.6	2070.9	2049.4	2029.6	2006.3	1988.4	1992.0	1995.6	1995.6
47.5°	8161.5	6531.7	2312.9	2013.5	2000.9	1981.2	1952.5	1940.0	1952.5	1965.1	1965.1
50°	8355.2	6637.5	2169.5	1956.1	1950.7	1927.4	1902.3	1896.9	1911.3	1929.2	1929.2
52.5°	8496.8	6729.0	2067.3	1898.7	1898.7	1868.3	1846.7	1845.0	1861.1	1879.0	1880.8
55°	8762.2	6942.3	2031.4	1832.4	1825.2	1801.9	1785.8	1773.2	1793.0	1809.1	1809.1
57.5°	9061.6	7225.6	2040.4	1737.4	1728.4	1721.2	1708.7	1694.3	1699.7	1717.7	1719.4
60°	8426.9	6677.0	1941.8	1642.3	1637.0	1633.4	1617.2	1592.1	1599.3	1613.7	1615.5
62.5°	5886.3	4437.6	1570.6	1524.0	1541.9	1540.2	1518.6	1489.9	1491.7	1511.5	1511.5
65°	3055.2	2400.8	1378.8	1416.4	1443.3	1432.6	1396.7	1371.6	1368.0	1393.1	1387.7
67.5°	1317.8	1310.7	1255.1	1303.5	1332.2	1308.9	1271.2	1230.0	1233.6	1242.5	1235.3
70°	1061.4	1093.7	1117.0	1169.0	1192.3	1149.3	1108.0	1084.7	1065.0	1063.2	1050.7
72.5°	848.1	892.9	944.9	998.7	1005.8	962.8	910.8	889.3	858.8	857.0	844.5
75°	638.3	675.9	717.2	760.2	760.2	719.0	684.9	674.2	638.3	627.5	616.8
77.5°	435.7	459.0	491.3	502.0	512.8	496.6	462.6	444.7	403.4	392.7	378.3
80°	274.3	290.5	310.2	317.4	328.1	308.4	281.5	261.8	233.1	224.1	216.9
82.5°	165.0	175.7	188.3	191.8	200.8	186.5	161.4	147.0	130.9	123.7	118.3
85°	84.3	89.6	96.8	98.6	96.8	82.5	73.5	66.3	55.6	53.8	50.2
87.5°	21.5	25.1	26.9	25.1	23.3	17.9	12.6	9.0	3.6	3.6	1.8
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)