

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: P642286

Luminaire Tested: GWS-SA6C-750-U-T2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642286
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-750-U-T2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28817.4 lumens
Efficiency: N/A
Efficacy: 152.3 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

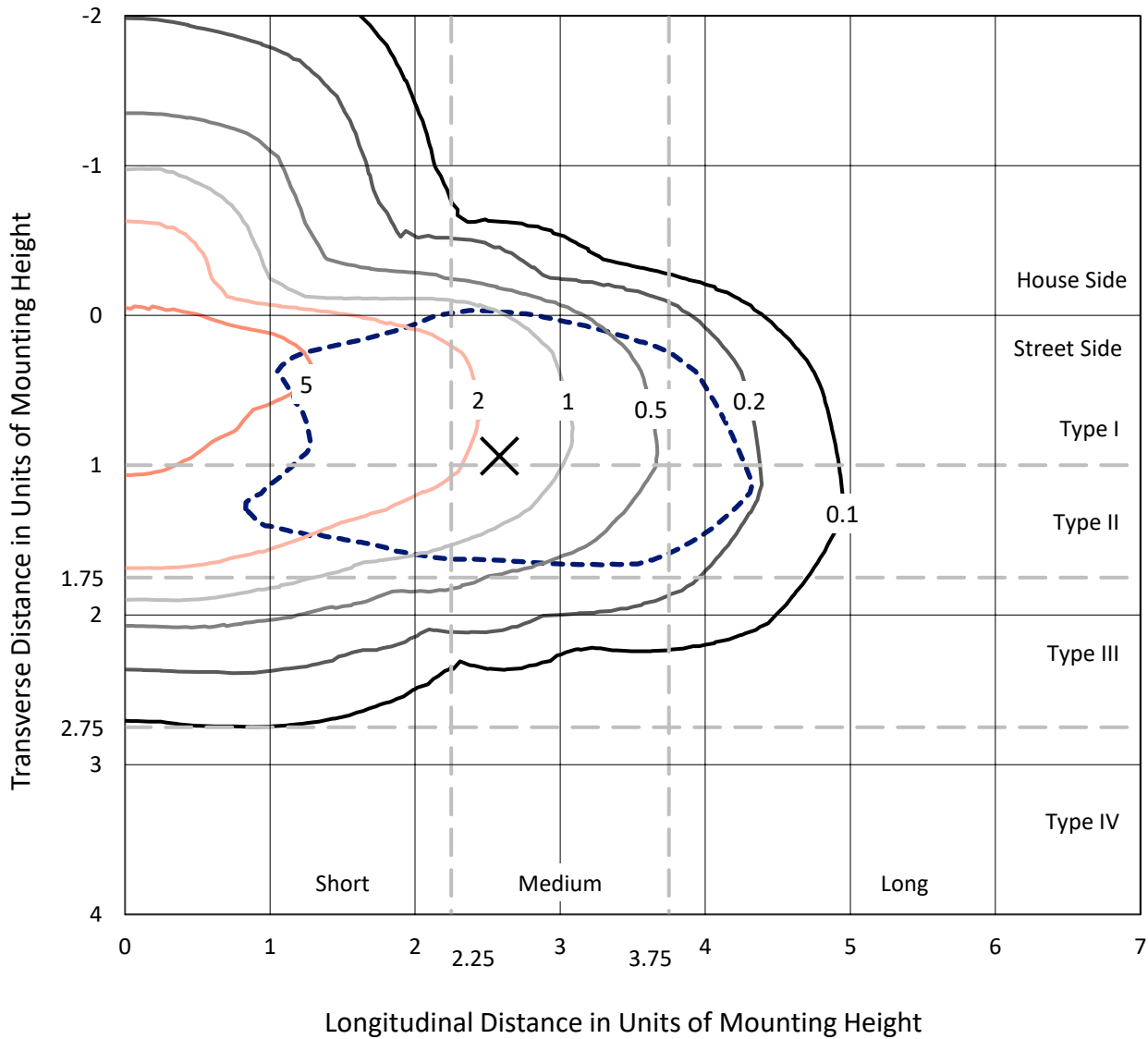
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

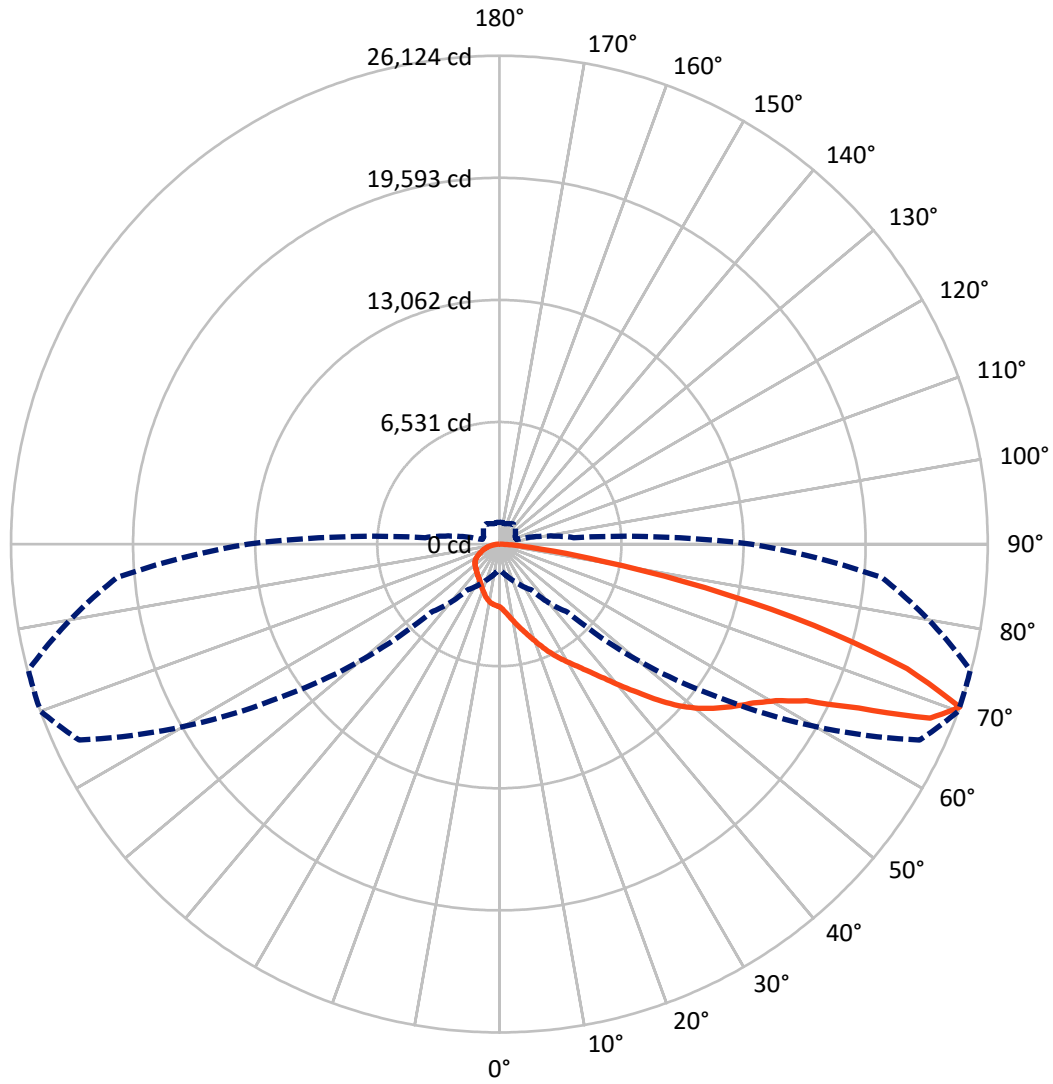
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5164.1	0.0	5164.1
	% Fixture	17.9	0.0	17.9
Street Side	Lumens	23653.3	0.0	23653.3
	% Fixture	82.1	0.0	82.1
Total	Lumens	28817.4	0.0	28817.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	341.6	1.2
10°-20°	1111.2	3.9
20°-30°	1968.4	6.8
30°-40°	2962.6	10.3
40°-50°	4482.0	15.6
50°-60°	6420.7	22.3
60°-70°	7097.4	24.6
70°-80°	4005.2	13.9
80°-90°	428.4	1.5
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°	28817.4	100.0
0°-180°	28817.4	100.0

Coefficient of Utilization



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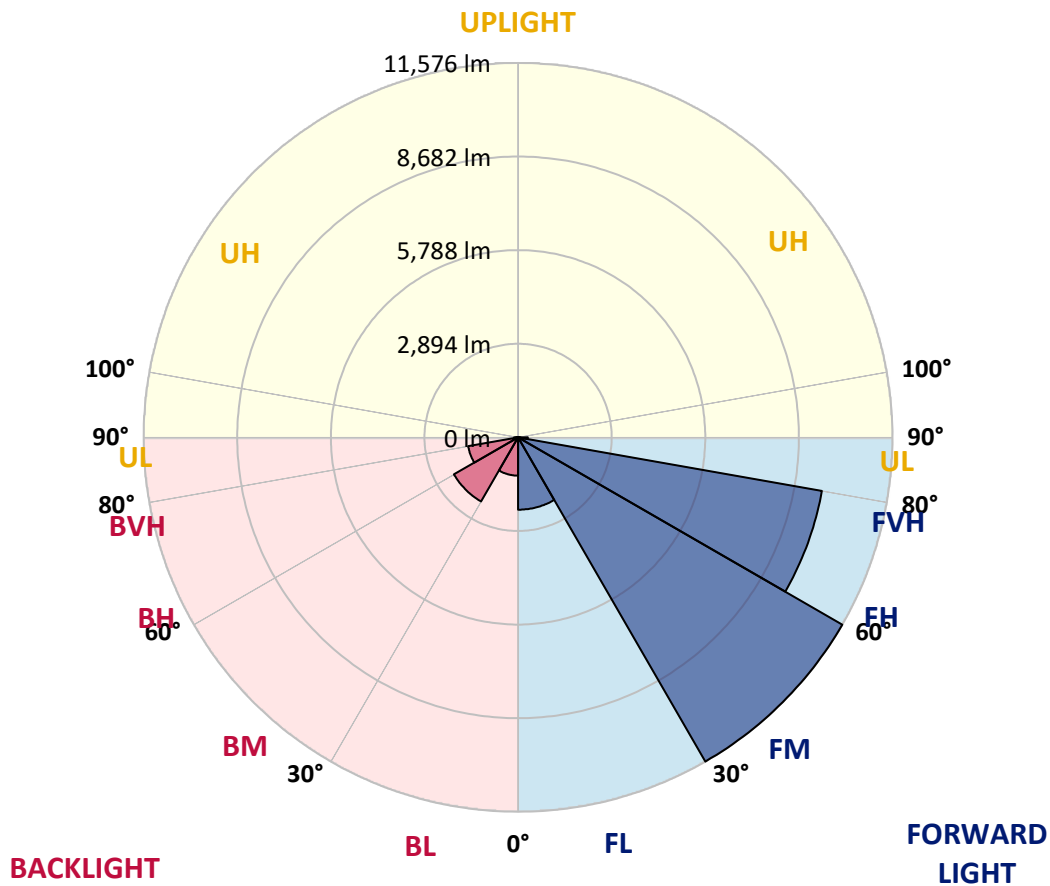
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2237.1	7.8			
FM (30°-60°)	11575.9	40.2			
FH (60°-80°)	9537.4	33.1			G4/12000
FVH (80°-90°)	302.9	1.1			G3/500
BL (0°-30°)	1184.1	4.1	B3/2500		
BM (30°-60°)	2289.3	7.9	B2/2500		
BH (60°-80°)	1565.2	5.4	B3/2500		G3/2500
BVH (80°-90°)	125.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7
2.5°	3723.0	3716.8	3720.9	3716.8	3693.9	3637.6	3591.8	3533.5	3494.0	3471.1	3416.9
5°	4160.3	4154.0	4139.5	4118.6	4077.0	3999.9	3885.4	3758.4	3681.4	3623.1	3508.5
7.5°	4474.7	4474.7	4472.6	4447.6	4418.5	4337.3	4201.9	4035.3	3922.9	3823.0	3635.6
10°	4635.0	4645.4	4660.0	4695.4	4689.2	4645.4	4518.4	4339.3	4197.8	4081.2	3802.1
12.5°	4722.5	4728.7	4753.7	4826.6	4901.5	4912.0	4837.0	4649.6	4495.5	4339.3	3987.5
15°	4834.9	4837.0	4870.3	4957.8	5068.1	5178.5	5159.7	4972.3	4814.1	4641.3	4193.6
17.5°	4922.4	4936.9	4997.3	5099.4	5236.8	5388.8	5480.4	5363.8	5168.1	4970.3	4418.5
20°	4953.6	4964.0	5043.1	5199.3	5386.7	5601.2	5805.2	5774.0	5576.2	5343.0	4672.5
22.5°	5066.0	5066.0	5124.3	5255.5	5476.2	5788.6	6119.6	6200.9	6025.9	5753.2	4945.3
25°	5313.8	5305.5	5332.6	5386.7	5553.3	5938.5	6429.9	6673.5	6477.8	6171.7	5218.0
27.5°	5653.2	5649.1	5647.0	5655.3	5711.5	6069.7	6692.3	7115.0	6919.2	6573.6	5461.7
30°	6021.8	6009.3	6036.4	6011.4	5998.9	6225.8	6915.1	7510.6	7358.6	6971.3	5663.6
32.5°	6523.6	6500.7	6494.4	6413.2	6363.3	6469.5	7094.1	7960.3	7839.6	7400.2	5890.6
35°	7185.7	7164.9	7058.7	6929.6	6781.8	6831.8	7316.9	8399.7	8408.0	7937.4	6188.4
37.5°	7854.1	7858.3	7775.0	7471.0	7319.0	7289.9	7656.3	8934.8	9113.9	8578.8	6573.6
40°	8410.1	8435.1	8435.1	8114.4	7887.5	7860.4	8133.2	9569.9	9926.0	9365.8	7060.8
42.5°	8832.8	8855.7	8928.6	8697.4	8458.0	8551.7	8712.0	10207.1	10846.3	10338.2	7677.2
45°	9297.1	9315.9	9355.4	9222.2	9082.7	9332.5	9367.9	10969.1	11899.9	11429.3	8393.4
47.5°	9913.5	9896.8	9901.0	9803.1	9694.8	10098.8	10090.4	11610.5	12918.1	12624.5	9170.1
50°	10679.7	10710.9	10681.8	10488.1	10361.1	10729.7	10777.6	12320.5	13813.5	13807.2	9953.0
52.5°	11416.8	11429.3	11583.4	11591.7	11331.4	11254.4	11379.3	13036.8	14569.3	14890.0	10704.7
55°	11454.3	11502.2	11964.4	12297.6	12718.2	12099.8	11987.3	13719.8	15300.2	15949.8	11485.5
57.5°	10656.8	10733.9	11518.8	12237.2	13407.4	13551.1	13028.5	14602.6	16031.0	16993.0	12389.2
60°	8953.6	9113.9	10180.0	11279.4	13097.2	14594.3	15158.6	15802.0	16990.9	18059.1	13486.5
62.5°	5717.8	5780.2	7275.3	9116.0	11700.0	14492.3	17478.2	17915.4	18452.6	19447.9	15177.3
65°	2863.1	3062.9	3939.6	5440.8	8437.2	12770.3	18650.5	21786.3	21128.3	21825.8	17917.5
67.5°	1942.7	2007.3	2450.8	3269.1	4947.4	9047.3	17923.8	25047.0	24853.4	24967.9	20838.9
70°	1432.6	1474.2	1824.0	2315.4	2992.2	5136.8	14269.5	24801.3	26123.6	26081.9	20532.8
72.5°	1045.3	1066.1	1330.5	1767.8	2217.6	2656.9	8714.1	20035.1	22804.5	24005.9	17957.1
75°	760.0	785.0	924.5	1322.2	1724.1	1657.4	4301.9	14471.4	17390.7	19702.0	14629.7
77.5°	566.4	597.6	662.1	828.7	1207.7	1186.9	1859.4	9397.1	11248.2	12868.1	8886.9
80°	408.1	414.4	451.8	531.0	766.3	695.5	884.9	4899.5	5617.8	6155.0	3483.6
82.5°	247.8	254.0	301.9	326.9	474.7	437.3	460.2	1586.7	2273.8	2413.3	1301.4
85°	72.9	77.0	137.4	149.9	197.8	187.4	185.3	645.5	770.4	984.9	512.2
87.5°	0.0	0.0	0.0	0.0	2.1	12.5	22.9	114.5	172.8	239.5	124.9
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°	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7	3360.7
2.5°	3396.1	3348.2	3323.2	3279.5	3248.3	3217.0	3185.8	3156.6	3144.2	3125.4	3129.6
5°	3456.5	3381.5	3306.6	3221.2	3148.3	3087.9	3033.8	2985.9	2965.1	2946.3	2954.7
7.5°	3548.1	3435.7	3292.0	3135.8	3021.3	2938.0	2881.8	2848.5	2838.1	2823.5	2823.5
10°	3664.7	3496.0	3244.1	3021.3	2883.9	2817.2	2792.3	2790.2	2800.6	2802.7	2798.5
12.5°	3793.8	3554.4	3173.3	2886.0	2769.4	2748.5	2767.3	2802.7	2838.1	2856.8	2852.6
15°	3927.1	3591.8	3052.5	2756.9	2686.1	2713.1	2773.5	2844.3	2913.0	2948.4	2946.3
17.5°	4052.0	3600.2	2896.4	2631.9	2613.2	2681.9	2786.0	2896.4	2990.1	3040.0	3042.1
20°	4191.5	3585.6	2736.0	2519.5	2540.3	2652.8	2790.2	2923.4	3033.8	3083.8	3096.3
22.5°	4318.5	3535.6	2579.9	2413.3	2477.8	2617.4	2756.9	2881.8	2979.7	3027.6	3044.2
25°	4433.0	3439.8	2409.1	2323.8	2430.0	2567.4	2673.6	2761.0	2829.7	2858.9	2881.8
27.5°	4495.5	3296.2	2280.0	2253.0	2384.1	2496.6	2554.9	2582.0	2604.9	2596.5	2613.2
30°	4508.0	3117.1	2167.6	2196.7	2315.4	2398.7	2411.2	2384.1	2344.6	2280.0	2294.6
32.5°	4495.5	2910.9	2073.9	2136.4	2238.4	2288.4	2271.7	2200.9	2105.1	2005.2	2011.4
35°	4499.7	2702.7	1996.9	2069.7	2148.9	2175.9	2134.3	2036.4	1934.4	1842.8	1838.6
37.5°	4545.5	2527.8	1932.3	2005.2	2061.4	2065.6	2019.8	1917.7	1865.7	1797.0	1788.6
40°	4672.5	2398.7	1874.0	1940.6	1976.0	1973.9	1921.9	1849.0	1884.4	1861.5	1855.3
42.5°	4880.7	2319.6	1826.1	1871.9	1896.9	1901.1	1859.4	1813.6	1890.7	1861.5	1851.1
45°	5216.0	2315.4	1792.8	1803.2	1842.8	1871.9	1842.8	1790.7	1819.9	1678.3	1651.2
47.5°	5613.7	2386.2	1767.8	1742.8	1811.5	1863.6	1817.8	1734.5	1674.1	1545.0	1526.3
50°	6092.6	2529.9	1744.9	1678.3	1765.7	1832.4	1786.5	1672.0	1580.4	1511.7	1501.3
52.5°	6661.0	2719.4	1715.8	1605.4	1697.0	1815.7	1786.5	1665.8	1545.0	1482.5	1472.1
55°	7256.5	2938.0	1682.4	1517.9	1620.0	1819.9	1801.1	1622.1	1517.9	1484.6	1476.3
57.5°	7995.7	3200.4	1622.1	1415.9	1551.3	1782.4	1742.8	1597.1	1499.2	1472.1	1463.8
60°	8955.6	3589.7	1507.5	1311.8	1472.1	1715.8	1690.8	1555.4	1449.2	1426.3	1420.1
62.5°	10475.7	4249.8	1368.0	1211.9	1378.4	1576.2	1613.7	1476.3	1386.8	1384.7	1382.6
65°	12953.5	5043.1	1203.5	1122.3	1280.6	1461.7	1511.7	1395.1	1322.2	1345.1	1343.0
67.5°	14690.1	5111.9	1068.2	1028.6	1166.0	1336.8	1409.7	1311.8	1232.7	1276.4	1274.3
70°	13455.3	3987.5	951.6	930.8	1043.2	1201.4	1299.3	1207.7	1128.6	1170.2	1161.9
72.5°	11348.1	3056.7	841.2	828.7	918.3	1059.9	1157.7	1103.6	1020.3	1020.3	1001.5
75°	9120.1	2521.6	724.6	718.4	778.8	916.2	1026.5	934.9	857.9	853.7	841.2
77.5°	5230.5	1653.3	608.0	603.8	622.6	766.3	797.5	778.8	720.4	693.4	685.1
80°	2084.3	860.0	478.9	451.8	470.6	562.2	628.8	597.6	547.6	514.3	495.6
82.5°	807.9	431.0	337.3	295.7	322.7	406.0	456.0	445.6	412.3	337.3	316.5
85°	329.0	210.3	202.0	170.7	187.4	218.6	262.4	227.0	187.4	133.3	127.0
87.5°	87.5	77.0	75.0	45.8	35.4	10.4	2.1	0.0	0.0	0.0	0.0
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)