

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: P635299

Luminaire Tested: GWS-SA3D-740-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635299  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-740-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

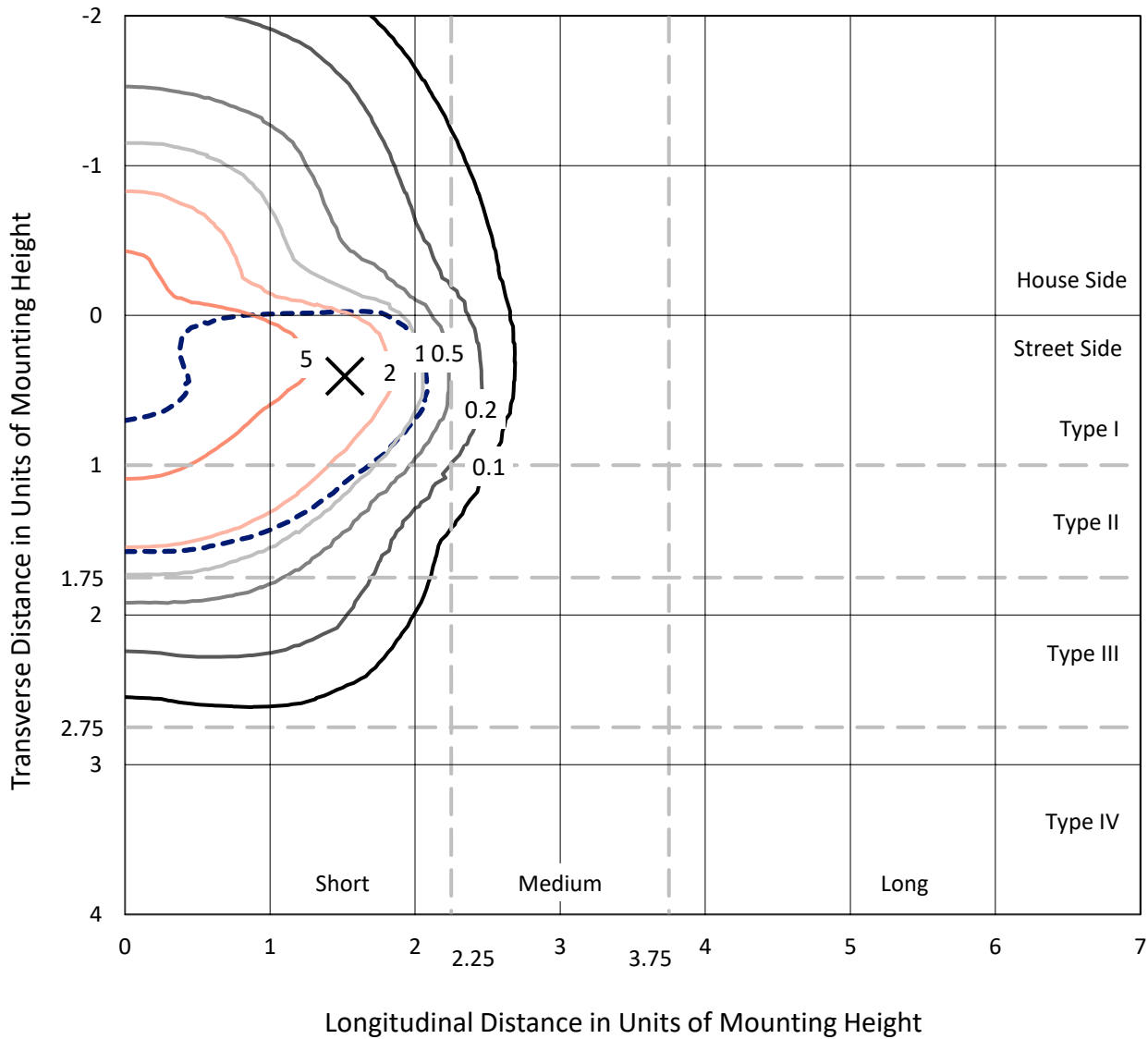
Lumens per Lamp: N/A  
Luminaire Lumens: 14672 lumens  
Efficiency: N/A  
Efficacy: 121.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

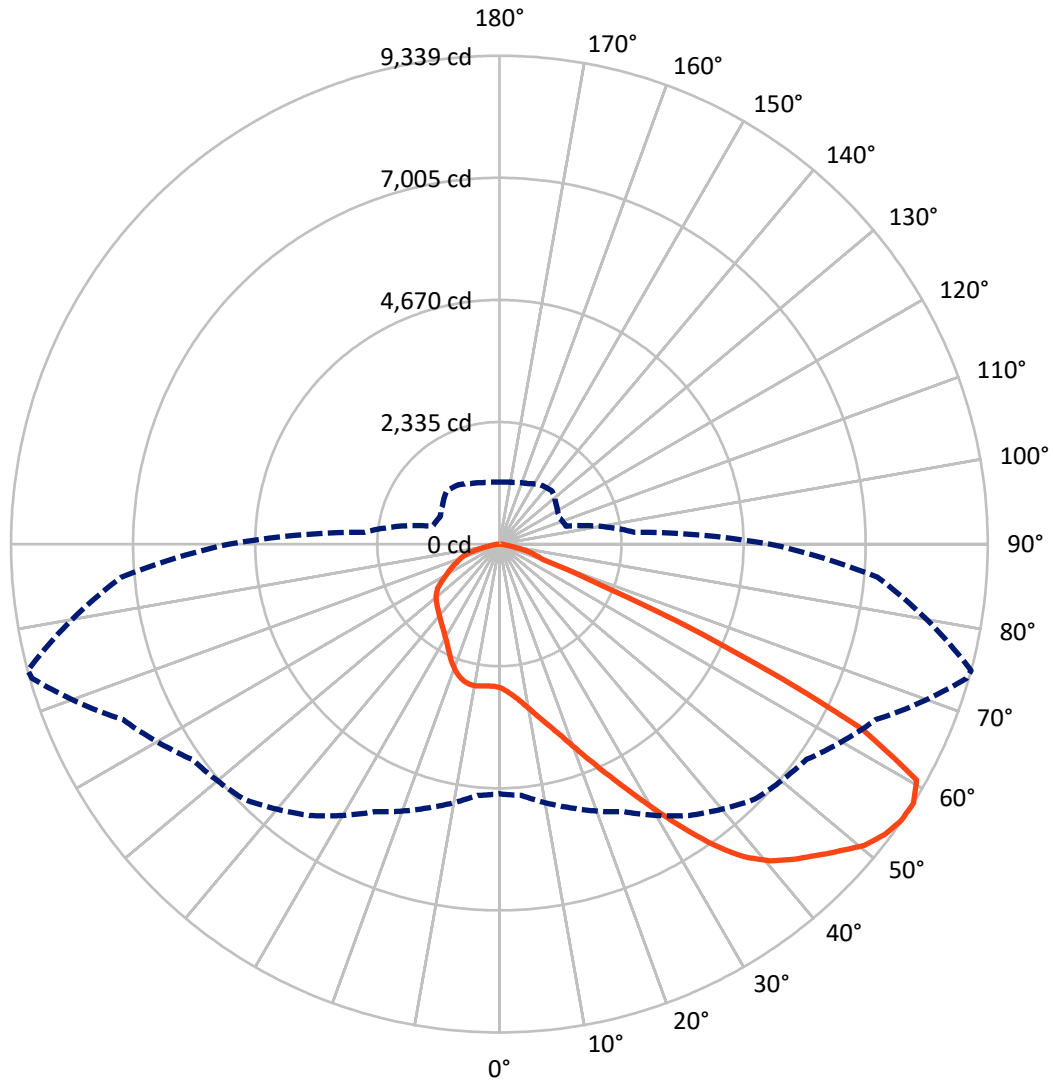
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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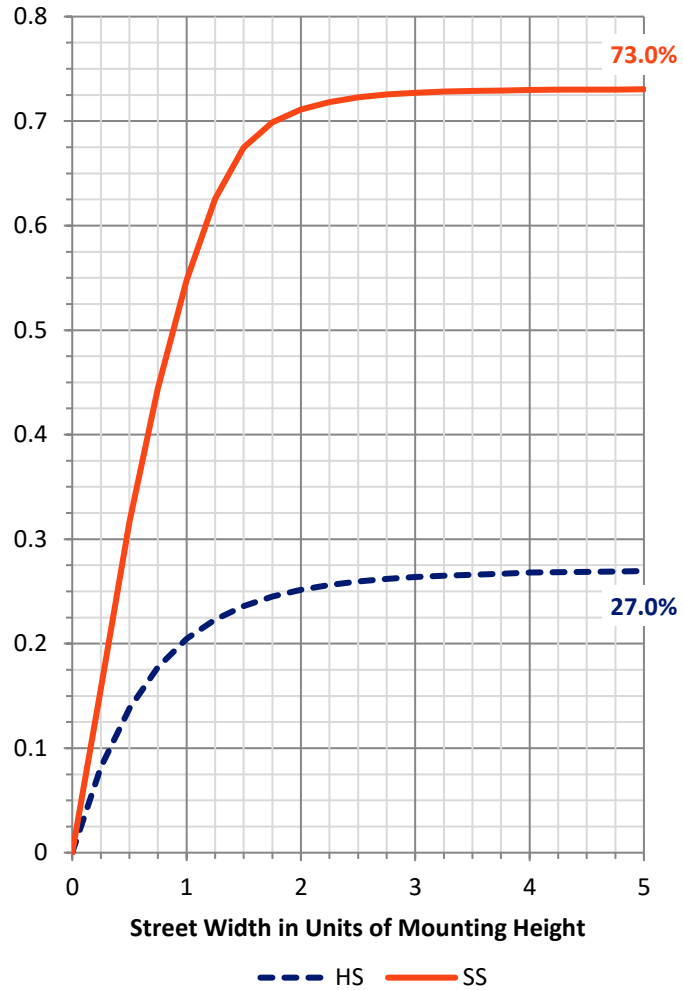
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3969.1	0.0	3969.1
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	10702.9	0.0	10702.9
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	14672.0	0.0	14672.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.0	1.9
10°-20°	875.4	6.0
20°-30°	1552.5	10.6
30°-40°	2376.7	16.2
40°-50°	3309.3	22.6
50°-60°	3791.8	25.8
60°-70°	1948.3	13.3
70°-80°	490.5	3.3
80°-90°	52.4	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°	14672.0	100.0
0°-180°	14672.0	100.0

**Coefficient of Utilization**



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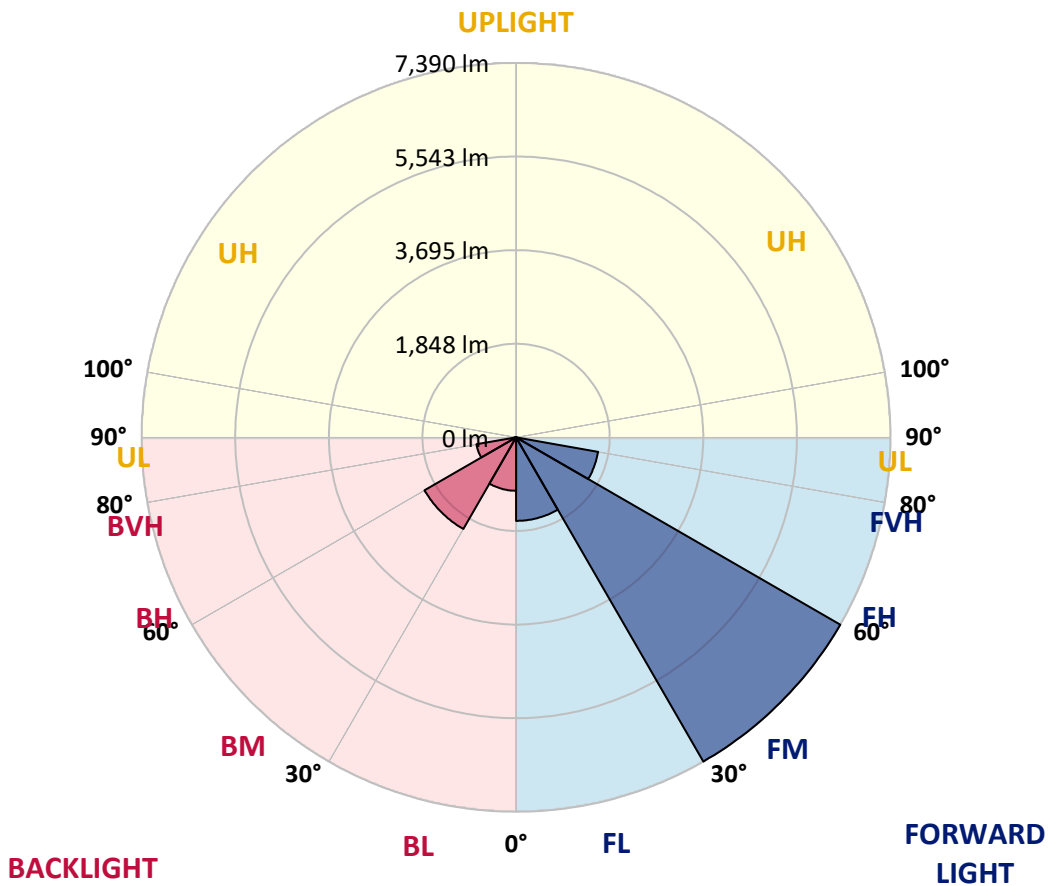
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1648.5	11.2			
FM (30°-60°)	7390.5	50.4			
FH (60°-80°)	1644.6	11.2			G1/1800
FVH (80°-90°)	19.4	0.1			G1/100
BL (0°-30°)	1054.4	7.2	B3/2500		
BM (30°-60°)	2087.4	14.2	B2/2500		
BH (60°-80°)	794.2	5.4	B2/1000		G2/1000
BVH (80°-90°)	33.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7
2.5°	2952.1	2959.7	2952.1	2964.7	2939.5	2928.1	2900.4	2858.7	2825.9	2820.9	2784.3
5°	3181.7	3198.1	3188.0	3183.0	3148.9	3123.7	3082.0	2998.8	2930.6	2920.5	2848.6
7.5°	3329.3	3340.7	3340.7	3344.4	3331.8	3302.8	3258.7	3160.2	3064.4	3049.2	2940.7
10°	3378.5	3387.3	3403.7	3435.3	3460.5	3469.3	3440.3	3345.7	3228.4	3213.2	3061.8
12.5°	3389.9	3399.9	3425.2	3483.2	3552.6	3615.7	3620.7	3551.3	3420.1	3403.7	3201.9
15°	3411.3	3421.4	3455.5	3527.4	3629.6	3750.7	3825.1	3777.2	3632.1	3614.4	3360.8
17.5°	3408.8	3420.1	3470.6	3566.5	3704.0	3879.3	4023.2	4043.4	3893.2	3862.9	3541.2
20°	3402.5	3412.6	3466.8	3584.1	3754.5	3995.4	4255.3	4360.0	4198.5	4170.8	3751.9
22.5°	3452.9	3464.3	3505.9	3603.1	3780.9	4085.0	4469.8	4722.1	4560.6	4521.5	3994.2
25°	3566.5	3582.9	3608.1	3675.0	3828.9	4164.5	4689.3	5132.1	4966.8	4920.1	4257.8
27.5°	3741.8	3762.0	3797.3	3828.9	3936.1	4265.4	4907.5	5591.3	5426.0	5376.8	4536.6
30°	3956.3	3982.8	4028.2	4049.7	4122.8	4414.3	5144.7	6064.4	5968.5	5900.4	4850.8
32.5°	4252.8	4289.4	4332.3	4338.6	4382.7	4640.1	5379.4	6533.7	6532.4	6484.5	5207.8
35°	4638.8	4677.9	4686.8	4695.6	4717.0	4950.4	5663.2	6961.4	7126.6	7071.1	5596.4
37.5°	5060.2	5117.0	5130.8	5091.7	5122.0	5323.9	5982.4	7304.5	7643.9	7584.6	5972.3
40°	5510.6	5533.3	5571.1	5509.3	5547.2	5751.5	6295.3	7524.0	8029.9	7966.9	6268.8
42.5°	5833.5	5875.2	5931.9	5909.2	5930.7	6117.4	6514.8	7630.0	8305.0	8241.9	6482.0
45°	6184.2	6196.9	6233.4	6228.4	6241.0	6415.1	6672.5	7676.7	8551.0	8494.2	6663.6
47.5°	6489.5	6508.5	6532.4	6504.7	6476.9	6590.5	6801.2	7717.1	8834.8	8766.7	6854.1
50°	6783.5	6799.9	6828.9	6748.2	6644.7	6673.7	6864.2	7772.6	9101.0	9053.1	7004.3
52.5°	6837.7	6855.4	6991.7	7008.1	6875.6	6773.4	6975.3	7894.9	9257.4	9227.2	7058.5
55°	6155.2	6186.8	6458.0	6769.6	7096.4	7063.6	7153.1	7959.3	9319.3	9326.8	7155.7
57.5°	4777.6	4823.0	5219.1	5646.8	6334.4	6903.3	7175.8	7942.9	9297.8	9339.4	7255.3
60°	3133.8	3160.2	3629.6	4109.0	4821.7	5609.0	6422.7	7647.7	9107.3	9166.6	7230.1
62.5°	1892.4	1922.6	2299.9	2663.2	3083.3	3609.4	4356.2	6146.4	7633.8	7766.3	5790.6
65°	1320.9	1361.2	1691.8	1990.8	2135.8	2027.4	2206.5	3432.7	4756.1	4811.7	3538.7
67.5°	957.5	985.3	1256.5	1612.3	1772.5	1431.9	1091.3	1520.2	2071.5	2091.7	1459.6
70°	627.0	658.5	904.6	1227.5	1447.0	1160.7	816.2	822.5	871.7	881.8	847.8
72.5°	344.4	363.3	558.9	815.0	855.3	693.9	637.1	683.8	717.8	717.8	726.7
75°	177.9	194.3	228.3	268.7	324.2	379.7	459.2	528.6	565.2	567.7	563.9
77.5°	90.8	97.1	122.4	132.5	145.1	169.1	219.5	281.3	314.1	326.7	324.2
80°	42.9	45.4	51.7	60.6	74.4	94.6	118.6	141.3	161.5	164.0	177.9
82.5°	22.7	25.2	27.8	32.8	40.4	50.5	69.4	83.3	95.9	98.4	109.8
85°	8.8	10.1	11.4	12.6	17.7	21.4	29.0	39.1	47.9	47.9	56.8
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.0	6.3	8.8	8.8	15.1
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°	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7	2747.7
2.5°	2775.5	2738.9	2722.5	2696.0	2674.5	2650.6	2631.6	2617.8	2608.9	2603.9	2598.8
5°	2820.9	2765.4	2721.2	2668.2	2631.6	2596.3	2567.3	2547.1	2537.0	2529.5	2524.4
7.5°	2891.5	2817.1	2733.8	2651.8	2587.5	2530.7	2494.1	2472.7	2458.8	2453.8	2450.0
10°	2988.7	2885.2	2747.7	2617.8	2521.9	2460.1	2434.8	2424.7	2426.0	2423.5	2422.2
12.5°	3098.4	2957.1	2743.9	2557.2	2451.2	2414.7	2415.9	2432.3	2451.2	2456.3	2457.6
15°	3217.0	3027.8	2707.3	2479.0	2395.7	2399.5	2432.3	2471.4	2506.8	2520.6	2523.2
17.5°	3345.7	3087.1	2640.5	2393.2	2350.3	2390.7	2451.2	2515.6	2567.3	2590.0	2596.3
20°	3489.5	3137.5	2545.9	2308.7	2307.4	2374.3	2462.6	2547.1	2612.7	2643.0	2648.0
22.5°	3642.2	3169.1	2429.8	2230.5	2263.3	2352.8	2453.8	2542.1	2611.5	2641.7	2648.0
25°	3796.1	3179.2	2302.4	2158.6	2217.9	2318.8	2410.9	2481.5	2547.1	2573.6	2578.7
27.5°	3939.9	3150.2	2181.3	2096.7	2176.2	2268.3	2330.1	2368.0	2413.4	2433.6	2437.4
30°	4086.2	3092.1	2079.1	2047.5	2129.5	2198.9	2226.7	2229.2	2246.9	2246.9	2249.4
32.5°	4233.9	3006.3	1989.5	1999.6	2071.5	2116.9	2120.7	2091.7	2070.2	2034.9	2033.7
35°	4404.2	2919.3	1916.3	1945.4	2003.4	2031.1	2019.8	1964.3	1912.5	1854.5	1852.0
37.5°	4561.9	2829.7	1854.5	1889.8	1926.4	1946.6	1920.1	1853.3	1810.4	1751.1	1742.2
40°	4691.8	2749.0	1795.2	1831.8	1849.5	1867.1	1824.2	1770.0	1776.3	1743.5	1742.2
42.5°	4767.5	2670.8	1739.7	1767.5	1778.8	1791.4	1753.6	1713.2	1747.3	1722.1	1723.3
45°	4823.0	2602.6	1689.3	1699.3	1727.1	1746.0	1710.7	1665.3	1672.9	1575.7	1553.0
47.5°	4886.1	2564.8	1641.3	1631.2	1680.4	1713.2	1659.0	1593.4	1548.0	1452.1	1443.2
50°	4952.9	2550.9	1590.8	1563.1	1622.4	1653.9	1590.8	1508.8	1449.6	1397.8	1392.8
52.5°	4975.7	2549.6	1527.8	1481.1	1540.4	1584.5	1531.6	1448.3	1377.6	1327.2	1324.7
55°	5065.2	2586.2	1447.0	1368.8	1424.3	1515.2	1476.0	1356.2	1299.4	1276.7	1274.2
57.5°	5169.9	2592.5	1319.6	1246.4	1323.4	1430.6	1381.4	1278.0	1216.2	1188.4	1185.9
60°	5127.0	2437.4	1183.4	1153.1	1237.6	1351.1	1305.7	1216.2	1144.2	1117.8	1115.2
62.5°	3907.1	1720.8	1083.7	1072.3	1145.5	1236.3	1227.5	1134.2	1066.0	1047.1	1044.6
65°	2350.3	1208.6	987.8	986.6	1038.3	1125.3	1136.7	1061.0	989.1	962.6	962.6
67.5°	1161.9	924.7	879.3	873.0	905.8	967.6	1015.6	953.8	893.2	868.0	864.2
70°	821.3	815.0	799.8	782.2	788.5	813.7	833.9	782.2	717.8	692.6	687.6
72.5°	710.3	711.5	701.4	687.6	682.5	664.9	647.2	609.3	570.2	543.7	546.3
75°	551.3	553.8	560.1	555.1	541.2	522.3	503.4	455.4	423.9	398.7	393.6
77.5°	321.7	334.3	354.5	349.5	352.0	325.5	317.9	271.2	242.2	224.6	220.8
80°	181.7	189.2	198.1	204.4	196.8	185.5	169.1	143.8	135.0	122.4	119.8
82.5°	109.8	117.3	121.1	126.2	123.6	108.5	95.9	79.5	71.9	65.6	64.3
85°	55.5	60.6	64.3	66.9	59.3	49.2	44.2	35.3	30.3	26.5	26.5
87.5°	13.9	15.1	17.7	15.1	13.9	6.3	5.0	1.3	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)