

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: P635584

Luminaire Tested: GWS-SA3E-722-U-T3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635584
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-23)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-722-U-T3-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16209.9 lumens
Efficiency: N/A
Efficacy: 101.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

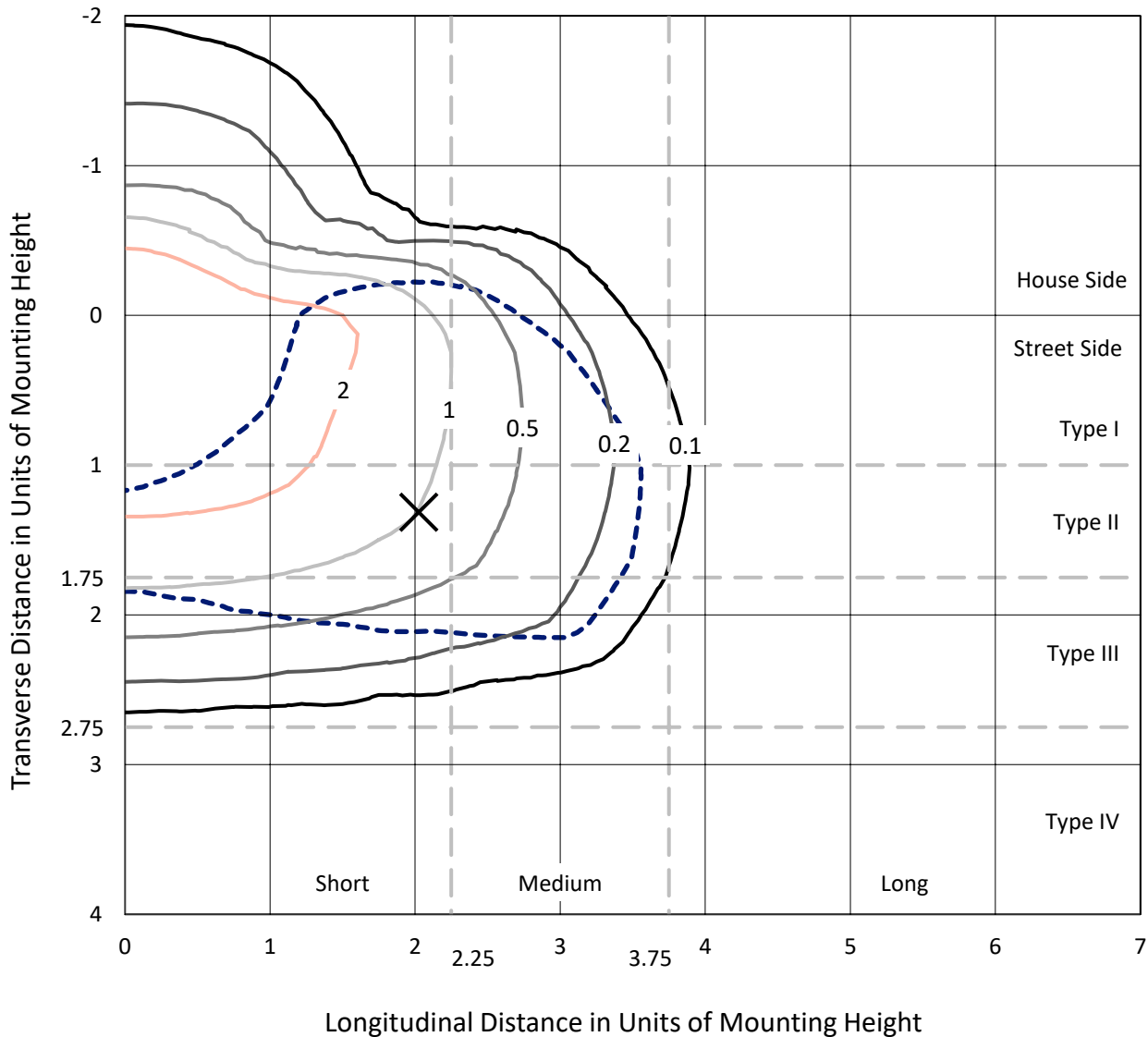
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

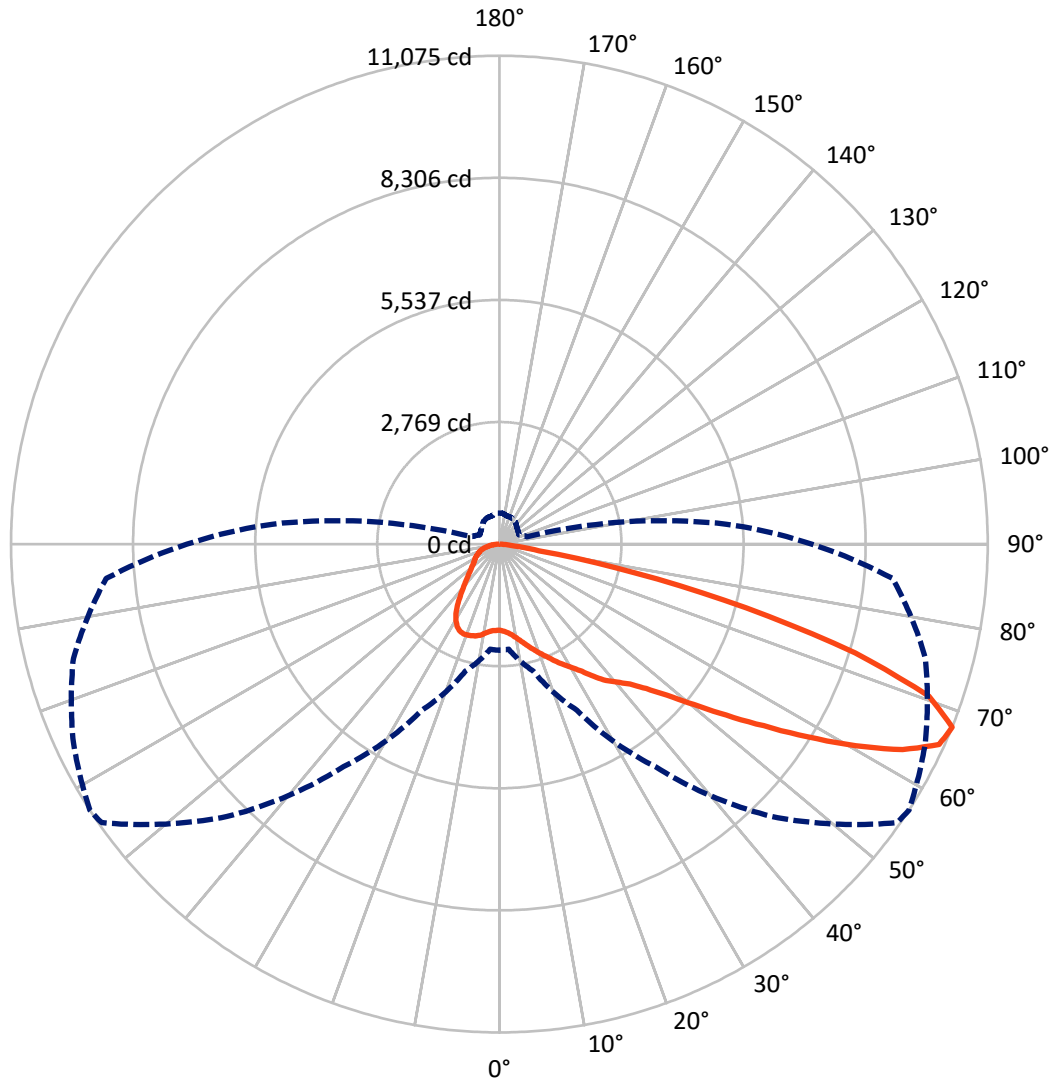
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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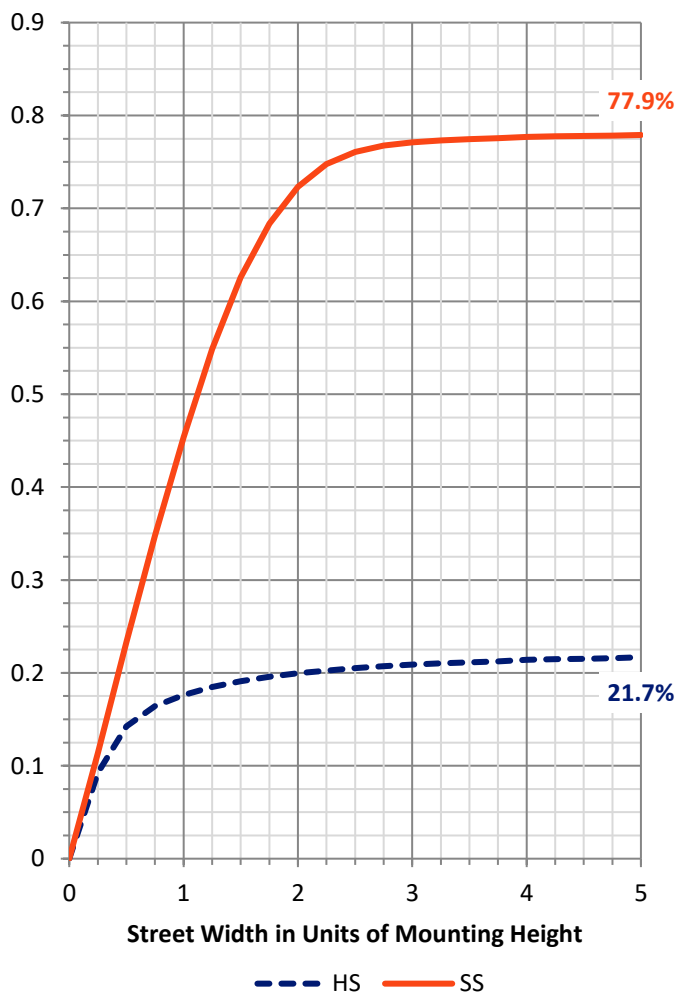
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3563.9	0.0	3563.9
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	12646.0	0.0	12646.0
	% Fixture	78.0	0.0	78.0
Total	Lumens	16209.9	0.0	16209.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.7	1.2
10°-20°	641.3	4.0
20°-30°	1143.3	7.1
30°-40°	1662.2	10.3
40°-50°	2405.8	14.8
50°-60°	3765.0	23.2
60°-70°	4392.1	27.1
70°-80°	1833.4	11.3
80°-90°	173.0	1.1
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°	16209.9	100.0
0°-180°	16209.9	100.0

Coefficient of Utilization



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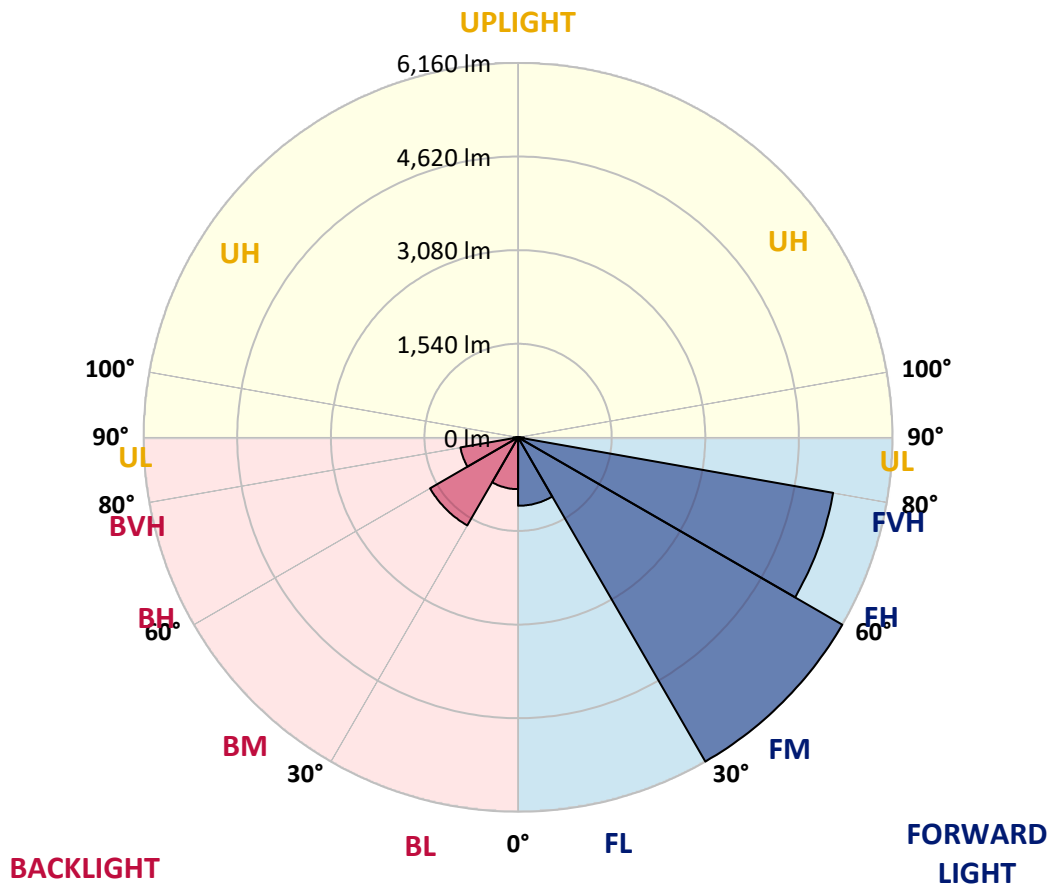
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1125.9	6.9			
FM (30°-60°)	6160.0	38.0			
FH (60°-80°)	5263.6	32.5			G3/7500
FVH (80°-90°)	96.4	0.6			G1/100
BL (0°-30°)	852.4	5.3	B2/1000		
BM (30°-60°)	1673.0	10.3	B2/2500		
BH (60°-80°)	961.9	5.9	B2/1000		G2/1000
BVH (80°-90°)	76.6	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2
2.5°	1981.1	1978.7	1977.6	1984.5	1982.2	1981.1	1981.1	1979.9	1977.6	1968.3	1955.5
5°	2035.6	2031.0	2026.3	2032.1	2027.5	2022.9	2021.7	2019.4	2011.2	1997.3	1977.6
7.5°	2092.5	2087.9	2089.0	2092.5	2089.0	2086.7	2083.2	2080.9	2068.1	2046.1	2019.4
10°	2172.7	2172.7	2175.0	2178.5	2179.6	2176.1	2169.2	2165.7	2150.6	2122.7	2085.6
12.5°	2288.8	2286.5	2286.5	2284.1	2287.6	2284.1	2277.2	2271.4	2252.8	2216.8	2163.4
15°	2442.1	2432.8	2424.6	2409.5	2404.9	2392.1	2394.4	2391.0	2373.5	2324.8	2257.4
17.5°	2605.8	2604.6	2591.9	2561.7	2531.5	2510.6	2515.2	2514.1	2504.8	2438.6	2352.6
20°	2749.8	2755.6	2744.0	2720.8	2680.1	2640.6	2638.3	2644.1	2632.5	2566.3	2446.7
22.5°	2911.2	2906.5	2894.9	2864.7	2834.6	2792.7	2778.8	2774.2	2769.5	2694.0	2543.1
25°	3064.5	3078.4	3063.3	3035.4	2989.0	2943.7	2932.1	2936.7	2924.0	2824.1	2646.4
27.5°	3258.4	3264.2	3254.9	3216.6	3177.1	3113.2	3091.2	3091.2	3086.5	2946.0	2727.7
30°	3465.1	3481.4	3465.1	3433.7	3393.1	3301.4	3253.8	3249.1	3235.2	3071.4	2822.9
32.5°	3673.0	3684.6	3673.0	3642.8	3596.3	3516.2	3447.7	3437.2	3418.7	3208.5	2920.5
35°	3857.6	3868.0	3865.7	3872.7	3834.4	3733.3	3691.5	3686.9	3638.1	3387.3	3052.9
37.5°	4059.6	4072.4	4055.0	4068.9	4053.8	3958.6	3945.8	3922.6	3852.9	3555.7	3192.2
40°	4289.6	4301.2	4273.3	4279.1	4261.7	4208.3	4143.3	4111.9	4008.6	3738.0	3411.7
42.5°	4535.7	4562.5	4575.2	4564.8	4524.1	4493.9	4380.1	4340.7	4254.7	4066.6	3772.8
45°	4892.2	4931.7	4950.3	4923.6	4906.2	4863.2	4723.9	4676.3	4631.0	4529.9	4276.8
47.5°	5276.6	5312.6	5371.8	5383.4	5397.4	5364.9	5168.6	5122.2	5130.3	5118.7	4896.9
50°	5583.2	5613.4	5746.9	5889.7	6008.2	6017.5	5766.6	5716.7	5760.8	5798.0	5643.6
52.5°	5806.1	5832.8	6009.3	6304.3	6572.5	6771.1	6500.5	6443.6	6479.6	6563.3	6492.4
55°	5987.3	6024.4	6209.1	6662.0	7204.2	7517.8	7344.8	7272.8	7257.7	7361.0	7401.7
57.5°	6082.5	6094.1	6353.1	6941.8	7667.6	8250.5	8326.0	8244.7	8100.7	8157.6	8369.0
60°	5865.4	5885.1	6239.3	7013.8	8033.4	8977.4	9356.0	9288.6	8982.1	9013.4	9246.8
62.5°	5265.0	5292.9	5719.0	6671.2	8063.6	9462.8	10307.0	10264.1	9853.0	9683.5	9753.1
65°	4223.4	4232.7	4673.9	5823.5	7463.2	9523.2	10970.1	10959.7	10461.5	10064.3	9765.9
67.5°	2408.4	2392.1	2982.0	4153.7	6159.1	8738.2	11013.1	11074.6	10658.9	10001.6	8953.1
70°	1043.9	1046.3	1318.0	2049.6	3986.5	7062.6	10229.2	10334.9	10087.6	8957.7	7123.0
72.5°	483.1	490.0	607.3	887.2	1702.4	4381.3	8341.1	8436.3	8223.8	7169.4	5182.6
75°	341.4	347.2	405.3	508.6	782.7	1707.0	5579.7	5779.4	5882.8	5362.5	3415.2
77.5°	259.0	267.1	296.1	353.0	483.1	605.0	2669.7	3145.8	3747.3	3336.2	1759.3
80°	164.9	164.9	196.2	235.7	295.0	314.7	771.1	913.9	1833.6	1374.9	690.9
82.5°	111.5	115.0	133.5	149.8	169.5	178.8	330.9	353.0	529.5	468.0	284.5
85°	59.2	61.5	69.7	68.5	81.3	70.8	139.3	138.2	193.9	212.5	108.0
87.5°	0.0	0.0	1.2	1.2	2.3	3.5	15.1	16.3	40.6	65.0	36.0
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°	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2	1953.2
2.5°	1962.5	1948.5	1955.5	1953.2	1960.1	1960.1	1947.4	1943.9	1945.1	1931.1	1926.5
5°	1979.9	1963.6	1967.1	1962.5	1969.4	1975.2	1969.4	1969.4	1976.4	1966.0	1960.1
7.5°	2019.4	2000.8	2000.8	1995.0	2003.1	2007.8	2003.1	2010.1	2022.9	2012.4	2006.6
10°	2082.1	2060.0	2061.2	2054.2	2057.7	2055.4	2036.8	2031.0	2034.5	2025.2	2020.5
12.5°	2163.4	2133.2	2133.2	2119.2	2111.1	2086.7	2048.4	2034.5	2036.8	2028.7	2025.2
15°	2241.2	2213.3	2207.5	2179.6	2142.5	2097.2	2062.3	2053.0	2055.4	2047.2	2041.4
17.5°	2332.9	2296.9	2276.0	2224.9	2156.4	2109.9	2075.1	2053.0	2034.5	2015.9	2011.2
20°	2417.7	2372.4	2334.1	2255.1	2171.5	2107.6	2042.6	1988.0	1942.7	1918.3	1912.5
22.5°	2504.8	2446.7	2379.4	2276.0	2170.3	2065.8	1946.2	1863.8	1796.4	1760.4	1767.4
25°	2587.2	2514.1	2422.3	2295.7	2133.2	1972.9	1810.4	1687.3	1610.6	1582.8	1574.6
27.5°	2655.7	2565.1	2461.8	2286.5	2056.5	1839.4	1624.6	1487.5	1413.2	1381.9	1373.7
30°	2732.4	2630.2	2518.7	2243.5	1935.8	1652.4	1414.4	1302.9	1249.5	1219.3	1220.4
32.5°	2820.6	2713.8	2598.8	2161.0	1781.3	1450.4	1241.4	1164.7	1121.7	1091.6	1086.9
35°	2939.1	2833.4	2652.2	2036.8	1585.1	1264.6	1122.9	1060.2	1006.8	967.3	959.2
37.5°	3085.4	3013.4	2658.0	1870.7	1374.9	1136.8	1038.1	970.8	905.8	853.5	847.7
40°	3336.2	3253.8	2610.4	1662.9	1196.1	1054.4	967.3	889.5	814.0	756.0	747.8
42.5°	3693.9	3524.3	2508.2	1428.3	1061.4	989.4	900.0	801.2	724.6	684.0	678.2
45°	4149.1	3826.2	2355.0	1207.7	961.5	925.5	829.1	725.8	685.1	656.1	650.3
47.5°	4706.5	4178.1	2178.5	1035.8	883.7	867.4	757.1	700.2	664.2	639.8	634.0
50°	5373.0	4626.3	2033.3	901.1	814.0	800.1	733.9	685.1	656.1	636.4	631.7
52.5°	6133.6	5124.5	1962.5	804.7	753.6	739.7	725.8	681.6	657.3	642.2	636.4
55°	6923.2	5649.4	1896.3	730.4	702.5	710.7	726.9	693.3	674.7	654.9	649.1
57.5°	7686.2	6141.7	1733.7	672.4	665.4	696.7	732.7	704.9	682.8	663.1	656.1
60°	8212.2	6411.1	1458.5	625.9	637.5	679.3	717.6	687.4	659.6	651.4	648.0
62.5°	8353.9	6378.6	1132.2	578.3	603.8	641.0	678.2	658.4	629.4	642.2	643.3
65°	8022.9	6030.2	850.0	531.8	559.7	591.1	637.5	629.4	618.9	653.8	654.9
67.5°	7085.8	5174.4	648.0	491.2	514.4	552.7	624.7	658.4	660.7	704.9	700.2
70°	5361.4	3865.7	507.5	452.9	479.6	552.7	665.4	680.5	652.6	693.3	684.0
72.5°	3706.6	2551.2	432.0	419.2	436.6	527.2	664.2	664.2	634.0	634.0	616.6
75°	2302.7	1500.3	376.2	376.2	376.2	461.0	645.6	612.0	558.5	534.2	520.2
77.5°	1136.8	729.3	315.9	327.5	314.7	385.5	527.2	500.5	468.0	442.4	433.1
80°	485.4	364.6	255.5	268.2	253.1	290.3	418.0	412.2	380.9	347.2	336.8
82.5°	223.0	188.1	204.4	210.2	184.6	218.3	305.4	305.4	288.0	241.5	224.1
85°	95.2	99.9	141.7	141.7	116.1	123.1	163.7	155.6	139.3	113.8	104.5
87.5°	32.5	48.8	72.0	62.7	24.4	10.5	5.8	2.3	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)