

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: P635333

Luminaire Tested: GWS-SA3D-750-U-RW-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635333  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-49)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-750-U-RW-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS  
Light Source: (48) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

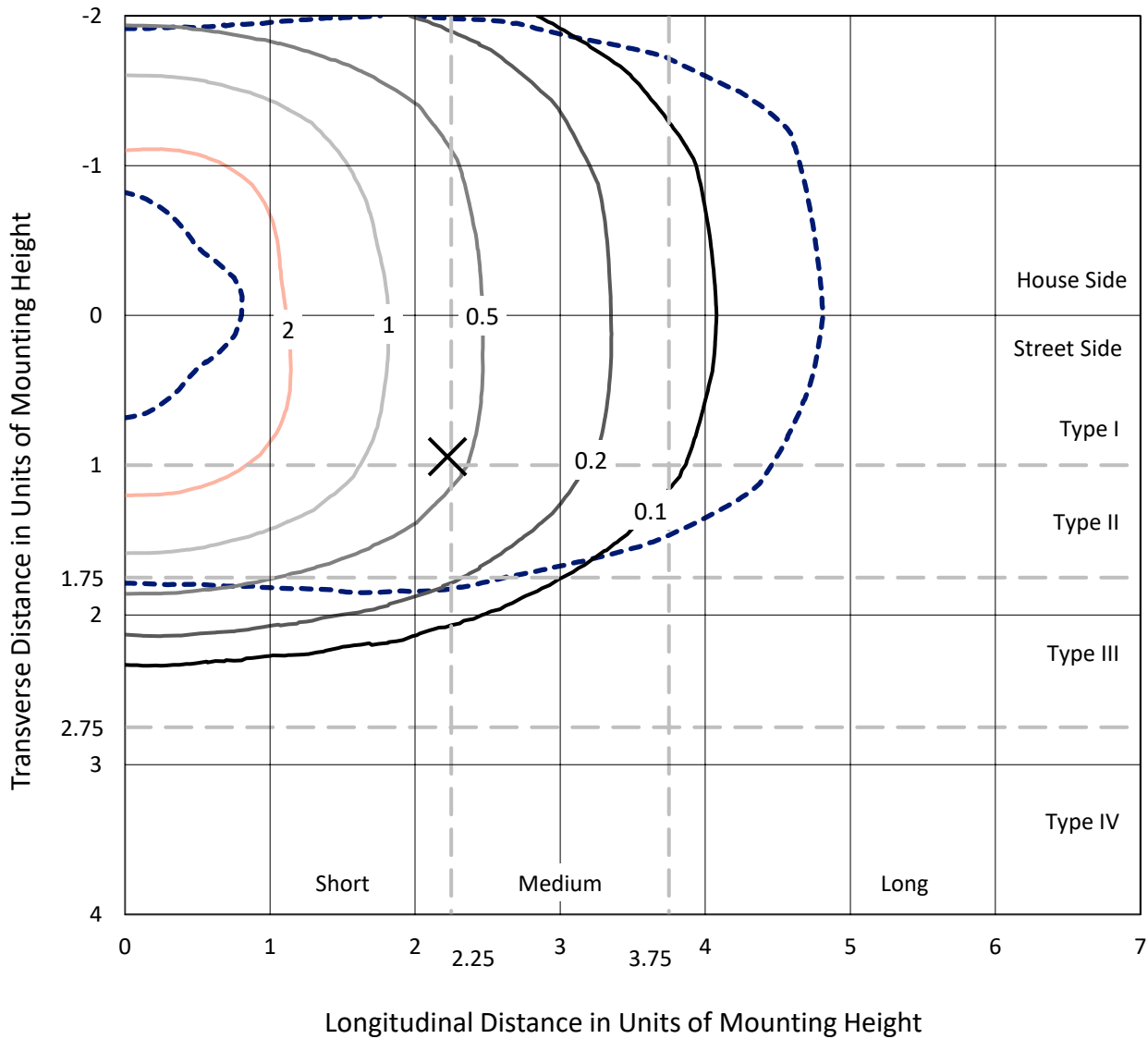
Lumens per Lamp: N/A  
Luminaire Lumens: 18531.2 lumens  
Efficiency: N/A  
Efficacy: 153.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G4  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

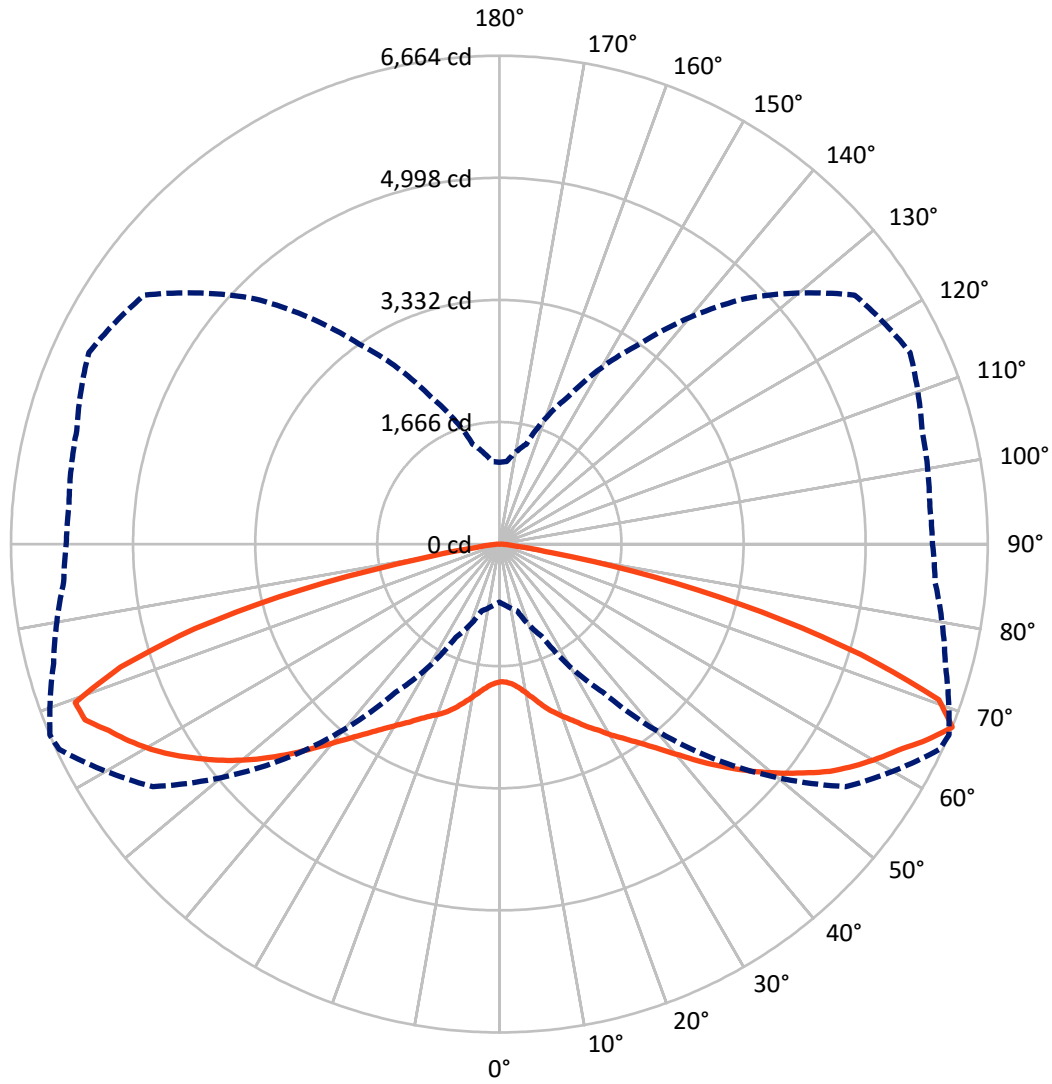
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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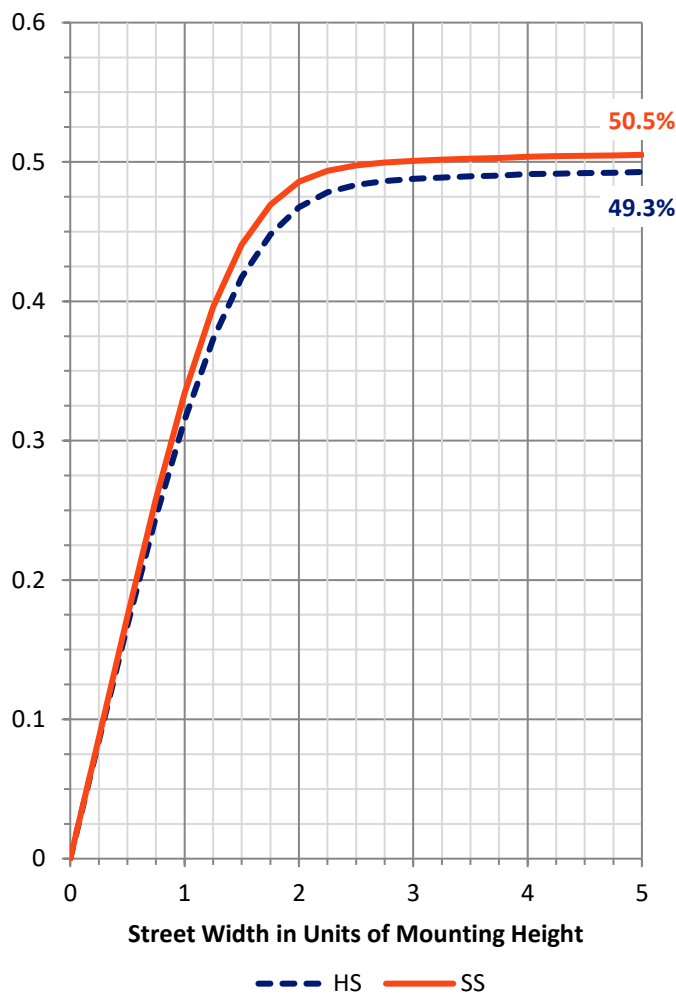
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9163.4	0.0	9163.4
	% Fixture	49.4	0.0	49.4
<b>Street Side</b>	Lumens	9367.9	0.0	9367.9
	% Fixture	50.6	0.0	50.6
<b>Total</b>	Lumens	18531.2	0.0	18531.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	184.1	1.0
10°-20°	622.0	3.4
20°-30°	1220.3	6.6
30°-40°	2078.9	11.2
40°-50°	3338.3	18.0
50°-60°	4536.1	24.5
60°-70°	4339.1	23.4
70°-80°	2063.0	11.1
80°-90°	149.5	0.8
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°	18531.2	100.0
0°-180°	18531.2	100.0

**Coefficient of Utilization**



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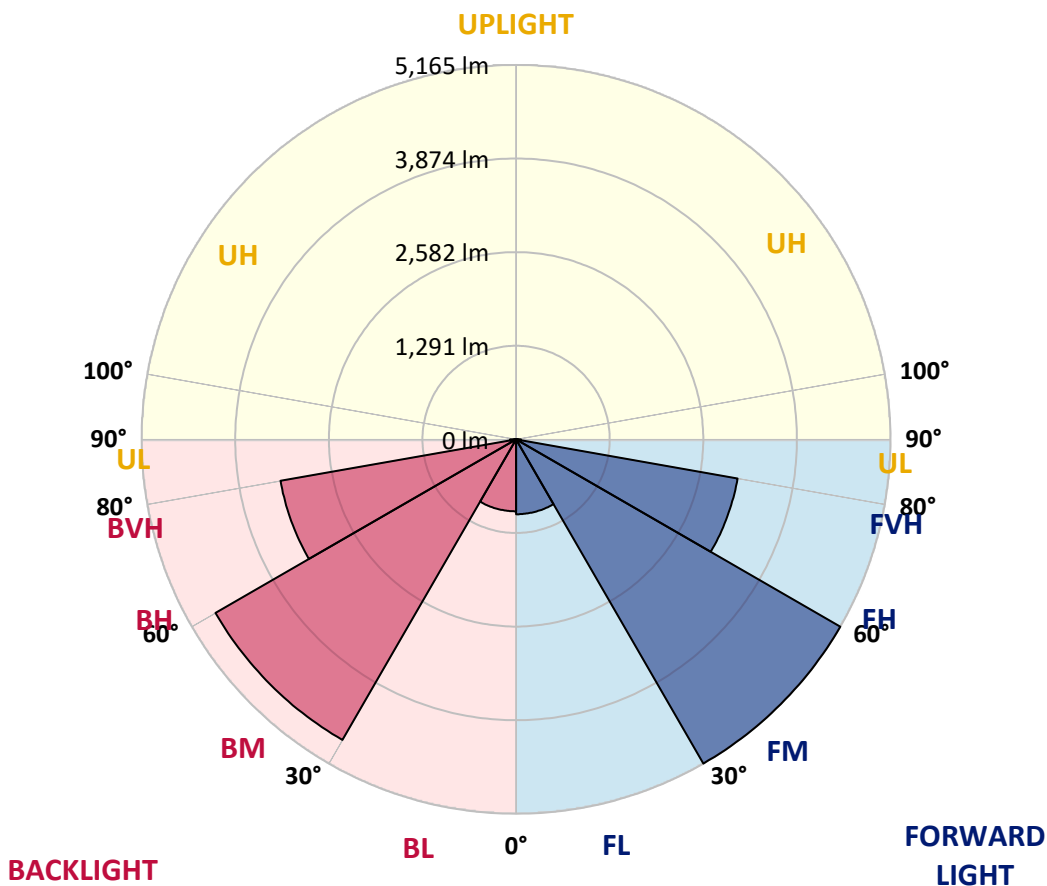
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1033.3	5.6			
FM (30°-60°)	5164.8	27.9			
FH (60°-80°)	3102.6	16.7			G2/5000
FVH (80°-90°)	67.2	0.4			G1/100
BL (0°-30°)	993.1	5.4	B2/1000		
BM (30°-60°)	4788.5	25.8	B3/5000		
BH (60°-80°)	3299.4	17.8	B4/5000		G4/5000
BVH (80°-90°)	82.3	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1837.7	1840.3	1844.1	1851.9	1859.6	1871.2	1882.8	1881.5	1886.7	1890.6	1894.5
5°	1827.3	1829.9	1836.4	1846.7	1858.3	1877.7	1902.2	1912.5	1920.3	1934.5	1947.4
7.5°	1849.3	1854.4	1863.5	1877.7	1895.7	1920.3	1953.8	1971.9	1983.5	2009.3	2031.2
10°	1879.0	1885.4	1903.5	1930.6	1957.7	1995.1	2037.7	2064.8	2072.5	2106.1	2147.4
12.5°	1907.4	1915.1	1944.8	1993.8	2042.9	2093.2	2143.5	2177.1	2179.7	2224.8	2271.3
15°	1952.5	1959.0	1999.0	2062.2	2137.1	2206.8	2268.7	2291.9	2302.3	2334.5	2392.6
17.5°	2051.9	2059.6	2111.3	2179.7	2258.4	2331.9	2393.9	2413.2	2413.2	2440.3	2488.1
20°	2159.0	2166.7	2235.1	2322.9	2418.4	2493.2	2541.0	2522.9	2516.5	2524.2	2557.8
22.5°	2279.0	2293.2	2359.0	2461.0	2578.4	2670.0	2694.6	2640.4	2622.3	2604.2	2612.0
25°	2432.6	2449.4	2513.9	2622.3	2737.2	2833.9	2848.1	2764.3	2753.9	2690.7	2667.5
27.5°	2609.4	2622.3	2702.3	2809.4	2916.5	2997.8	3013.3	2910.1	2875.2	2787.5	2733.3
30°	2837.8	2849.4	2919.1	3024.9	3117.8	3174.6	3194.0	3052.0	3024.9	2890.7	2806.8
32.5°	3086.9	3092.0	3163.0	3265.0	3347.6	3401.8	3374.7	3209.5	3169.5	3018.5	2903.6
35°	3372.1	3372.1	3463.7	3546.3	3612.1	3627.6	3576.0	3387.6	3341.1	3177.2	3034.0
37.5°	3652.1	3659.9	3745.0	3843.1	3901.2	3898.6	3804.4	3597.9	3545.0	3366.9	3208.2
40°	3955.4	3972.2	4057.3	4167.0	4222.5	4214.8	4070.2	3840.5	3786.3	3576.0	3421.1
42.5°	4234.1	4261.2	4360.6	4472.9	4533.5	4528.4	4377.4	4119.3	4066.4	3828.9	3674.1
45°	4456.1	4484.5	4608.4	4764.5	4861.3	4852.3	4700.0	4408.3	4343.8	4094.8	3924.4
47.5°	4651.0	4680.6	4818.7	4983.9	5137.5	5153.0	5013.6	4700.0	4631.6	4380.0	4187.7
50°	4800.7	4814.9	4969.7	5150.4	5328.5	5414.9	5293.6	4992.9	4910.4	4661.3	4444.5
52.5°	4789.0	4808.4	4999.4	5244.6	5483.3	5625.3	5541.4	5269.1	5189.1	4918.1	4706.5
55°	4552.9	4572.2	4799.4	5156.8	5569.8	5778.9	5769.8	5532.4	5474.3	5180.1	4978.7
57.5°	4208.3	4250.9	4476.7	4862.6	5456.2	5901.5	5937.6	5772.4	5711.8	5436.9	5248.5
60°	3591.5	3648.2	3908.9	4409.6	5092.3	5860.2	6117.0	5975.0	5937.6	5675.6	5492.4
62.5°	2609.4	2650.7	2997.8	3654.7	4552.9	5565.9	6268.0	6184.1	6155.7	5889.8	5713.0
65°	1562.8	1657.0	1935.8	2584.9	3672.8	5011.0	6185.4	6457.7	6428.0	6110.5	5901.5
67.5°	791.1	833.7	943.4	1401.5	2470.0	4146.4	5771.1	6628.0	6664.1	6298.9	5968.6
70°	490.4	502.0	533.0	691.7	1233.7	2724.2	4719.4	6184.1	6360.9	6269.2	5794.3
72.5°	393.6	396.2	401.3	431.0	592.3	1273.7	2983.6	4843.2	5162.0	5855.0	5545.3
75°	326.5	327.8	329.1	338.1	369.1	520.1	1451.8	3328.2	3701.2	4976.2	5141.4
77.5°	262.0	255.5	260.7	264.6	272.3	290.4	500.7	1775.7	2153.8	3266.3	3976.0
80°	170.3	167.8	178.1	182.0	189.7	201.3	267.1	602.7	731.7	1188.6	1264.7
82.5°	91.6	86.5	108.4	104.5	108.4	117.4	157.4	220.7	247.8	358.8	303.3
85°	28.4	28.4	29.7	34.8	42.6	41.3	68.4	108.4	120.0	153.6	113.6
87.5°	5.2	5.2	5.2	5.2	5.2	6.5	14.2	21.9	29.7	52.9	40.0
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°	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4	1876.4
2.5°	1902.2	1890.6	1897.0	1900.9	1899.6	1897.0	1884.1	1881.5	1875.1	1864.8	1862.2
5°	1959.0	1946.1	1947.4	1943.5	1930.6	1913.8	1885.4	1871.2	1859.6	1846.7	1845.4
7.5°	2048.0	2033.8	2030.0	2011.9	1975.8	1937.0	1891.9	1866.1	1846.7	1829.9	1827.3
10°	2161.6	2147.4	2134.5	2091.9	2032.5	1980.9	1921.6	1884.1	1855.7	1835.1	1831.2
12.5°	2288.1	2276.4	2244.2	2182.2	2111.3	2050.6	1990.0	1943.5	1902.2	1871.2	1867.4
15°	2428.7	2402.9	2353.9	2273.9	2206.8	2157.7	2084.2	2020.9	1955.1	1913.8	1904.8
17.5°	2526.8	2504.9	2446.8	2369.4	2316.4	2273.9	2187.4	2097.1	2008.0	1947.4	1934.5
20°	2596.5	2573.3	2507.4	2450.7	2433.9	2397.7	2297.1	2192.6	2089.3	2014.5	1997.7
22.5°	2646.8	2622.3	2555.2	2526.8	2550.0	2543.6	2445.5	2326.8	2204.2	2115.1	2094.5
25°	2694.6	2671.3	2612.0	2622.3	2684.2	2703.6	2597.8	2459.7	2320.3	2215.8	2191.3
27.5°	2739.7	2710.1	2682.9	2739.7	2827.5	2863.6	2751.3	2595.2	2444.2	2337.1	2317.7
30°	2809.4	2774.6	2770.7	2853.3	2992.7	3023.6	2899.8	2743.6	2593.9	2485.5	2461.0
32.5°	2897.2	2864.9	2867.5	2991.4	3152.7	3178.5	3072.7	2926.9	2777.2	2668.8	2635.2
35°	3015.9	2975.9	2997.8	3150.1	3312.7	3360.5	3275.3	3154.0	3008.2	2897.2	2859.7
37.5°	3179.8	3121.7	3166.9	3326.9	3490.8	3561.8	3496.0	3405.6	3261.1	3148.8	3114.0
40°	3388.9	3341.1	3359.2	3536.0	3705.0	3790.2	3748.9	3659.9	3516.6	3399.2	3359.2
42.5°	3636.6	3588.9	3582.4	3770.8	3939.9	4068.9	4028.9	3947.6	3799.2	3665.0	3626.3
45°	3879.2	3835.4	3844.4	4036.7	4226.4	4367.1	4327.0	4231.6	4070.2	3915.4	3884.4
47.5°	4132.2	4096.0	4103.8	4307.7	4516.8	4657.4	4607.1	4490.9	4302.5	4137.3	4099.9
50°	4391.6	4350.3	4361.9	4576.1	4802.0	4934.9	4857.4	4685.8	4478.0	4316.7	4284.5
52.5°	4649.7	4600.6	4630.3	4832.9	5066.5	5172.3	5029.1	4821.3	4620.0	4460.0	4423.8
55°	4946.5	4894.9	4862.6	5079.4	5310.4	5354.3	5158.1	4915.5	4676.8	4494.8	4472.9
57.5°	5217.5	5173.6	5113.0	5329.8	5500.1	5467.8	5257.5	4889.7	4538.7	4305.1	4274.1
60°	5460.1	5422.7	5369.8	5554.3	5631.7	5559.5	5177.5	4583.9	4198.0	3954.1	3939.9
62.5°	5683.4	5643.4	5594.3	5751.8	5741.4	5573.7	4813.6	4114.1	3597.9	3335.9	3312.7
65°	5860.2	5824.0	5809.8	5933.7	5916.9	5296.2	4247.0	3345.0	2628.7	2333.2	2324.2
67.5°	5910.5	5896.3	5972.4	6182.8	5920.8	4738.7	3330.8	2218.4	1411.8	1131.8	1115.0
70°	5722.1	5720.8	5938.9	6239.6	5384.0	3619.9	1965.4	1000.1	709.8	629.8	619.4
72.5°	5476.9	5473.0	5645.9	5382.7	3992.8	1980.9	827.2	535.6	443.9	422.0	422.0
75°	5074.2	5063.9	5194.3	4094.8	2245.5	745.9	438.8	367.8	348.4	344.6	344.6
77.5°	4136.1	4049.6	3844.4	2530.7	783.3	366.5	290.4	289.1	277.5	276.2	276.2
80°	1360.2	1360.2	1580.9	965.3	345.9	225.8	205.2	215.5	203.9	196.2	194.9
82.5°	222.0	305.8	434.9	276.2	187.1	140.7	126.5	134.2	140.7	112.3	112.3
85°	87.8	114.9	167.8	129.1	86.5	56.8	60.7	67.1	59.4	51.6	50.3
87.5°	33.6	41.3	59.4	31.0	18.1	10.3	6.5	6.5	5.2	5.2	5.2
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)