

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: P635087

Luminaire Tested: GWS-SA3D-722-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635087
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-722-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11063.8 lumens
Efficiency: N/A
Efficacy: 91.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

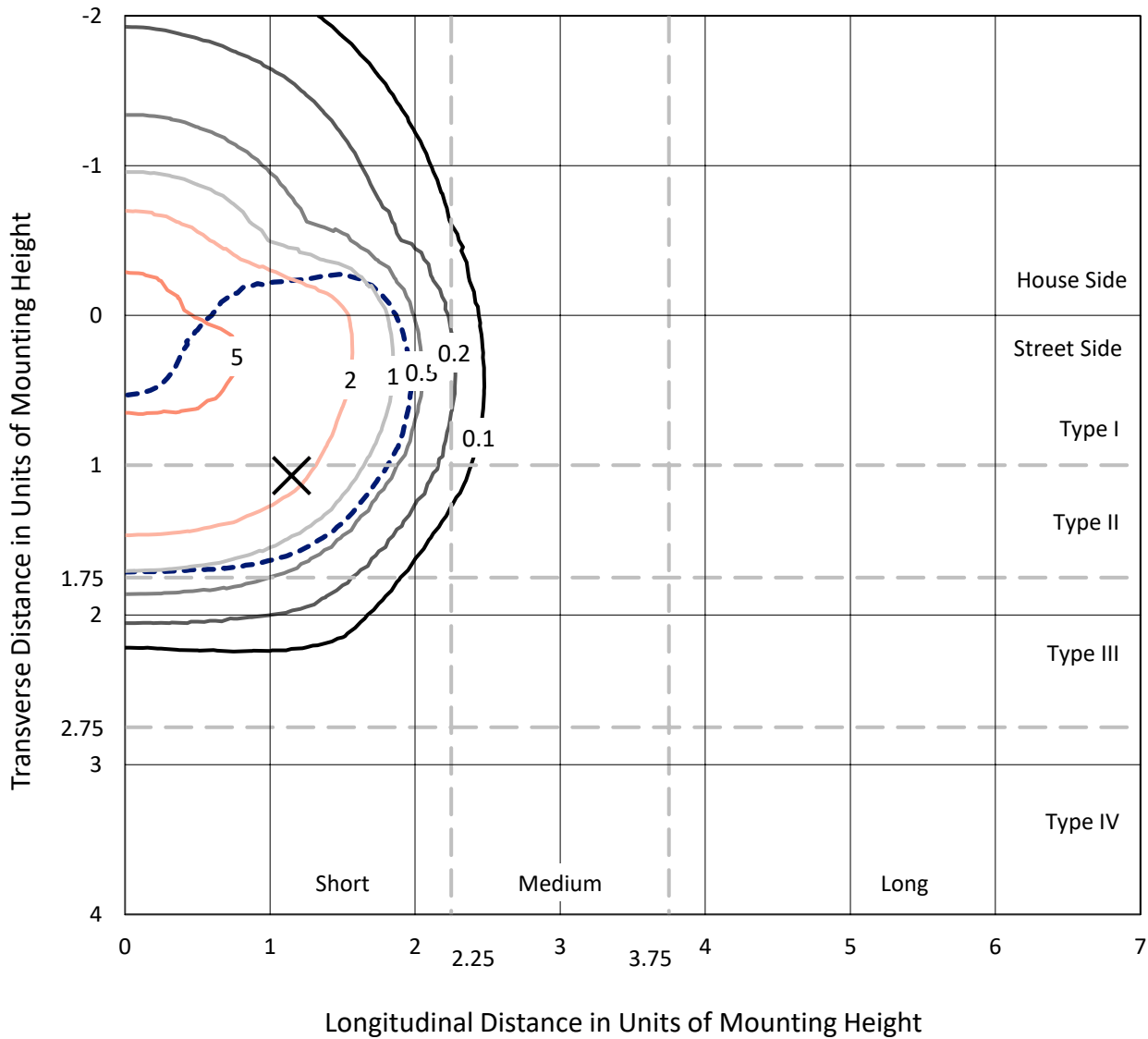
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

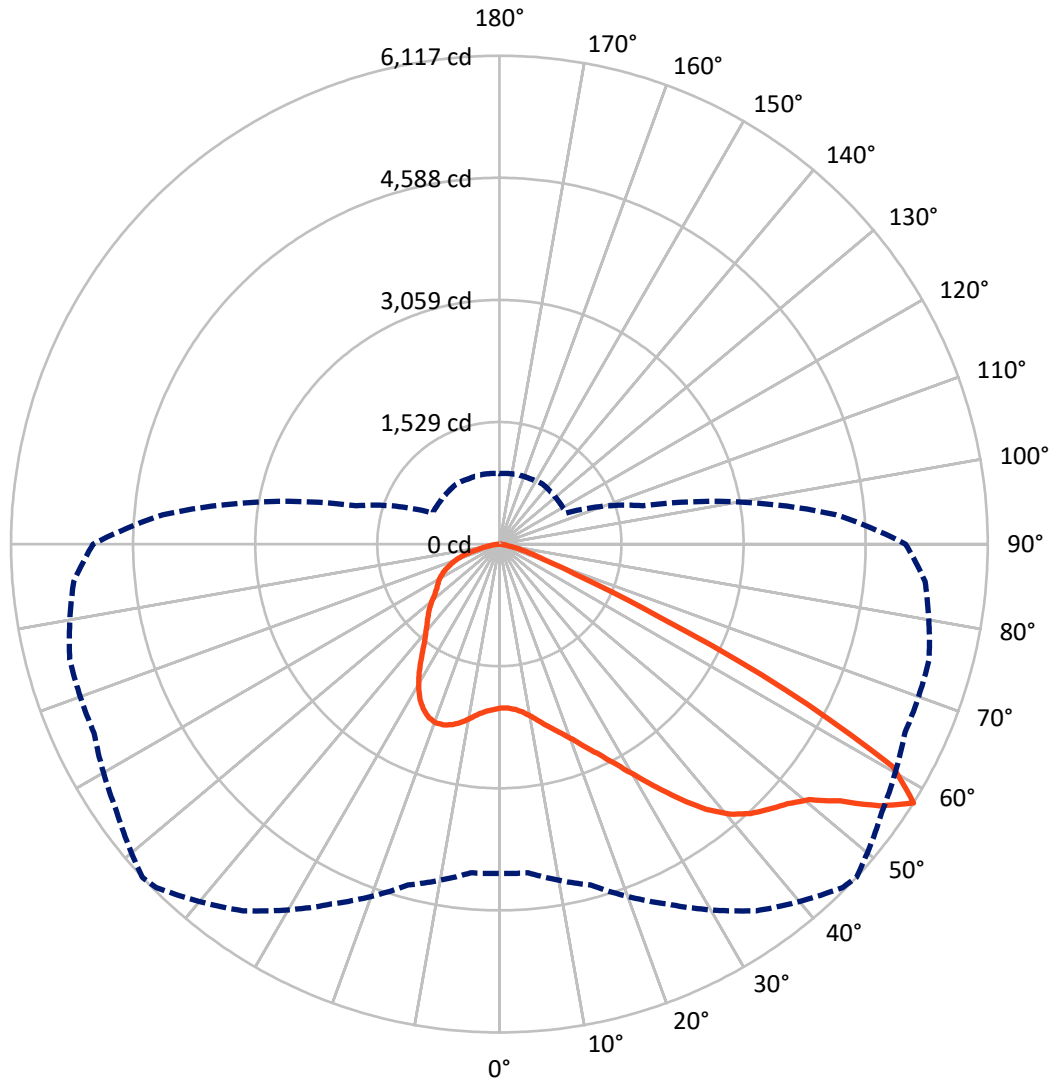
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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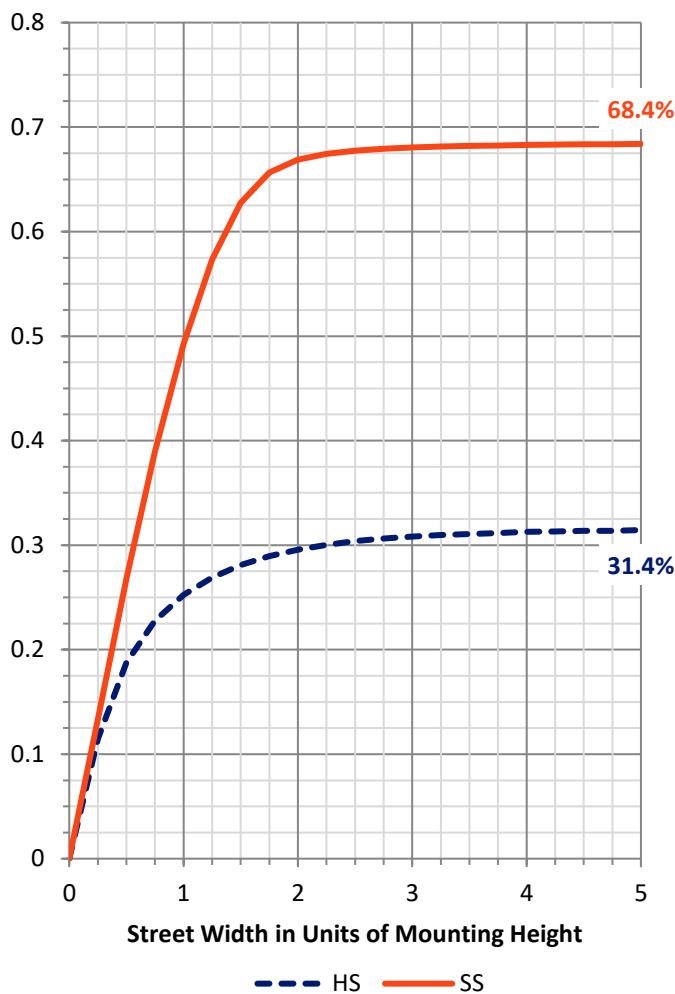
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3501.7	0.0	3501.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	7562.1	0.0	7562.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	11063.8	0.0	11063.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	1.8
10°-20°	665.6	6.0
20°-30°	1198.5	10.8
30°-40°	1810.2	16.4
40°-50°	2437.7	22.0
50°-60°	2929.2	26.5
60°-70°	1426.6	12.9
70°-80°	351.5	3.2
80°-90°	42.2	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°	11063.8	100.0
0°-180°	11063.8	100.0

Coefficient of Utilization



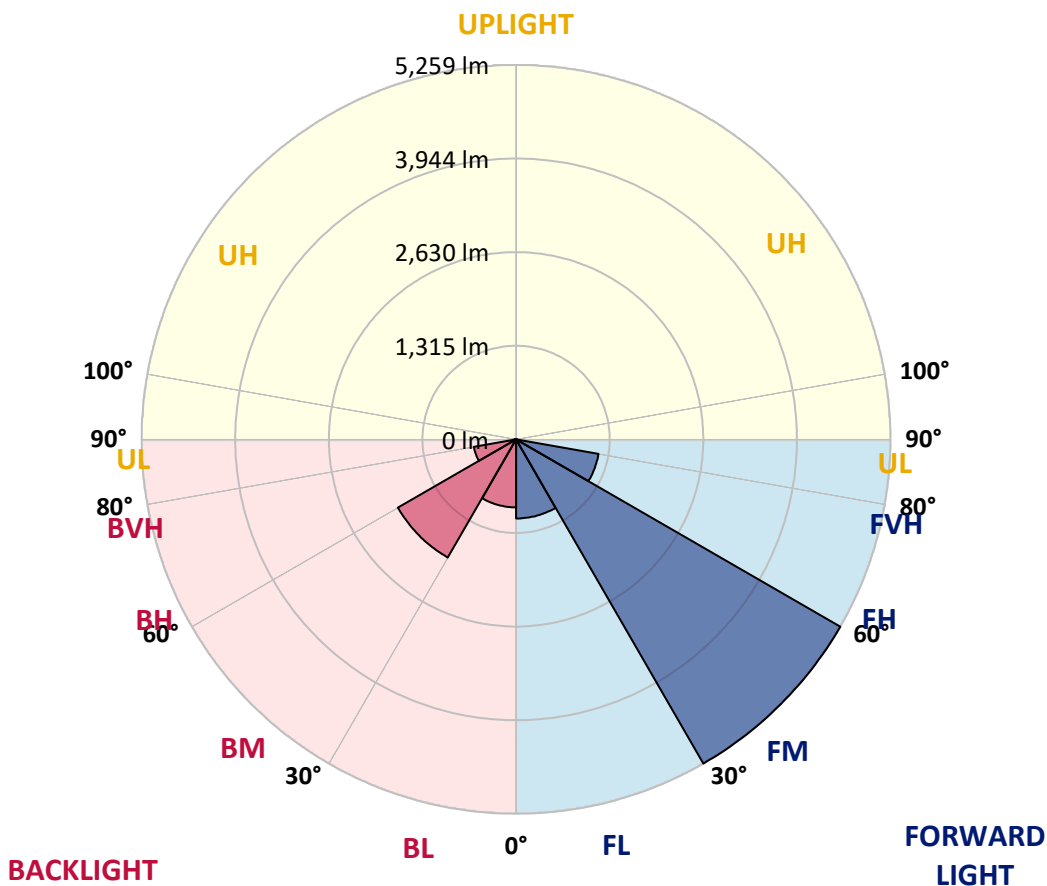
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1111.3	10.0			
FM (30°-60°)	5259.2	47.5			
FH (60°-80°)	1175.8	10.6			G1/1800
FVH (80°-90°)	15.9	0.1			G1/100
BL (0°-30°)	955.2	8.6	B2/1000		
BM (30°-60°)	1917.8	17.3	B2/2500		
BH (60°-80°)	602.3	5.4	B2/1000		G2/1000
BVH (80°-90°)	26.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8
2.5°	2048.1	2047.2	2047.2	2052.7	2052.7	2054.6	2057.4	2060.2	2061.1	2056.4	2046.2
5°	2070.4	2070.4	2070.4	2075.0	2075.0	2076.9	2080.6	2081.5	2080.6	2073.2	2062.9
7.5°	2105.7	2105.7	2106.6	2112.2	2116.8	2119.6	2126.1	2125.2	2122.4	2110.3	2097.3
10°	2163.3	2166.1	2168.9	2175.4	2184.7	2191.2	2195.8	2195.8	2192.1	2173.5	2156.8
12.5°	2245.1	2248.8	2251.6	2257.2	2264.6	2275.7	2286.0	2286.0	2281.3	2258.1	2233.0
15°	2340.8	2344.5	2343.6	2345.4	2359.4	2375.2	2383.5	2389.1	2391.0	2358.5	2319.4
17.5°	2450.4	2454.2	2450.4	2444.9	2446.7	2471.8	2486.7	2507.1	2519.2	2475.5	2413.3
20°	2549.9	2546.2	2546.2	2549.9	2555.5	2586.1	2608.4	2641.9	2656.7	2603.8	2507.1
22.5°	2654.9	2663.2	2659.5	2659.5	2681.8	2732.9	2759.9	2803.6	2819.4	2750.6	2620.5
25°	2790.6	2798.0	2796.1	2798.0	2824.0	2896.5	2923.4	3004.3	3020.1	2921.6	2746.0
27.5°	2939.2	2951.3	2956.9	2955.0	2996.9	3091.6	3125.1	3237.5	3266.3	3113.0	2879.8
30°	3132.5	3145.5	3150.2	3148.3	3197.6	3326.7	3364.8	3493.1	3534.0	3339.7	3049.8
32.5°	3356.5	3369.5	3383.4	3389.0	3452.2	3584.1	3639.0	3771.9	3830.4	3601.8	3255.2
35°	3578.6	3589.7	3616.7	3660.3	3746.8	3881.5	3929.8	4060.8	4117.5	3874.1	3503.3
37.5°	3823.9	3831.3	3854.6	3915.0	4039.5	4167.7	4216.0	4341.5	4348.0	4137.0	3783.9
40°	4092.4	4092.4	4087.8	4147.3	4277.4	4406.5	4448.3	4520.8	4482.7	4339.6	4057.1
42.5°	4320.1	4316.4	4320.1	4375.9	4472.5	4577.5	4613.8	4599.8	4551.5	4494.8	4304.3
45°	4525.5	4528.3	4561.7	4604.5	4654.6	4716.9	4738.3	4659.3	4615.6	4619.3	4502.2
47.5°	4664.9	4667.7	4745.7	4817.3	4847.9	4867.4	4858.2	4748.5	4726.2	4768.0	4654.6
50°	4683.5	4698.3	4833.1	4979.9	5056.1	5058.9	5032.9	4899.0	4892.5	4939.9	4736.4
52.5°	4687.2	4702.0	4870.2	5135.1	5333.0	5374.8	5345.1	5205.7	5137.9	5090.5	4836.8
55°	4673.2	4690.0	4875.8	5239.1	5618.3	5785.5	5788.3	5591.3	5374.8	5343.2	5123.0
57.5°	4125.9	4132.4	4420.5	4974.3	5607.1	6081.1	6117.3	5849.7	5602.5	5572.7	5352.5
60°	2874.2	2900.2	3213.4	3944.7	4710.4	5545.8	5662.9	5584.8	5419.4	5202.9	4592.4
62.5°	1439.4	1461.7	1775.8	2467.2	3248.7	3908.5	4033.9	4116.6	4155.6	3923.3	3126.9
65°	619.8	636.5	831.7	1288.9	1839.0	2157.7	2201.4	2300.8	2544.3	2270.2	1684.7
67.5°	414.4	425.6	525.0	786.2	1083.5	1104.0	1097.5	1118.8	1171.8	967.4	761.1
70°	317.8	327.1	394.0	576.1	778.7	666.3	631.0	572.4	621.7	633.8	617.0
72.5°	230.5	237.9	288.1	393.1	487.9	425.6	420.0	449.8	516.7	535.3	525.0
75°	148.7	152.4	183.1	215.6	251.8	273.2	284.4	338.2	406.1	420.0	407.9
77.5°	99.4	102.2	119.9	138.5	143.1	144.0	147.8	171.9	218.4	244.4	241.6
80°	52.0	52.0	58.5	58.5	66.9	79.9	83.6	99.4	120.8	133.8	134.7
82.5°	20.4	21.4	25.1	27.9	33.5	40.9	43.7	52.0	63.2	72.5	80.8
85°	8.4	9.3	10.2	12.1	14.9	18.6	19.5	22.3	29.7	37.2	41.8
87.5°	0.0	0.0	0.9	0.9	1.9	2.8	2.8	3.7	4.6	8.4	11.2
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°	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8	2051.8
2.5°	2058.3	2046.2	2058.3	2062.0	2072.2	2076.0	2069.5	2068.5	2068.5	2059.2	2056.4
5°	2072.2	2061.1	2073.2	2078.7	2093.6	2102.9	2104.8	2112.2	2116.8	2113.1	2112.2
7.5°	2106.6	2092.7	2105.7	2114.1	2133.6	2148.4	2154.9	2171.7	2183.8	2181.9	2181.0
10°	2167.0	2148.4	2163.3	2177.2	2198.6	2216.3	2217.2	2226.5	2238.6	2234.9	2233.0
12.5°	2236.7	2219.1	2235.8	2249.7	2274.8	2282.3	2270.2	2266.5	2268.3	2263.7	2260.0
15°	2322.2	2297.1	2312.0	2327.8	2341.7	2333.4	2307.3	2297.1	2296.2	2289.7	2286.0
17.5°	2407.7	2376.1	2387.3	2395.6	2389.1	2363.1	2330.6	2312.9	2304.6	2291.5	2287.8
20°	2492.3	2452.3	2450.4	2443.9	2414.2	2366.8	2323.1	2287.8	2266.5	2248.8	2242.3
22.5°	2588.9	2533.2	2505.3	2475.5	2410.5	2333.4	2267.4	2217.2	2182.8	2160.5	2153.1
25°	2693.0	2614.0	2556.4	2496.9	2373.3	2261.8	2169.8	2101.0	2060.2	2036.0	2027.6
27.5°	2796.1	2687.4	2601.0	2499.7	2299.0	2158.7	2035.1	1942.1	1901.3	1881.7	1875.2
30°	2935.5	2785.0	2654.0	2463.5	2201.4	2015.6	1861.3	1767.4	1740.5	1726.6	1721.0
32.5°	3096.3	2908.6	2724.6	2387.3	2076.9	1848.3	1685.7	1620.6	1602.0	1575.1	1574.2
35°	3308.2	3085.1	2791.5	2274.8	1919.8	1668.9	1550.9	1504.5	1471.0	1428.3	1424.5
37.5°	3555.3	3305.4	2827.7	2131.7	1736.8	1521.2	1450.6	1398.5	1344.6	1287.9	1280.5
40°	3810.9	3562.8	2830.5	1962.6	1557.4	1423.6	1364.1	1296.3	1229.4	1166.2	1157.9
42.5°	4079.4	3802.5	2781.3	1767.4	1410.6	1339.1	1278.7	1193.2	1117.9	1075.1	1070.5
45°	4319.2	3995.8	2669.8	1562.1	1301.9	1268.4	1191.3	1099.3	1059.4	1028.7	1022.2
47.5°	4507.8	4124.0	2519.2	1378.1	1213.6	1196.0	1095.6	1048.2	1017.5	989.7	983.2
50°	4600.7	4152.8	2323.1	1228.5	1131.8	1110.5	1041.7	1005.5	985.0	962.7	957.1
52.5°	4716.0	4185.4	2154.0	1103.0	1051.9	1023.1	997.1	968.3	953.4	939.5	934.8
55°	4980.8	4308.0	2064.8	1002.7	975.7	962.7	959.0	934.8	930.2	920.9	912.5
57.5°	5088.6	4229.0	1853.9	920.9	915.3	917.2	926.5	904.2	899.5	888.4	882.8
60°	4092.4	3196.6	1255.4	850.3	865.1	877.2	886.5	864.2	857.7	855.8	848.4
62.5°	2622.4	1966.3	876.3	784.3	806.6	821.5	827.0	805.7	801.0	815.9	816.8
65°	1365.1	1071.4	710.9	713.7	732.3	754.6	765.7	758.3	756.4	772.2	773.1
67.5°	696.9	655.1	619.8	630.0	644.9	673.7	699.7	732.3	743.4	745.3	746.2
70°	593.8	575.2	557.6	564.1	579.9	595.7	620.7	636.5	618.0	613.3	611.5
72.5°	505.5	491.6	483.2	490.6	499.0	496.2	488.8	496.2	499.0	499.9	500.9
75°	393.1	382.9	376.3	377.3	377.3	367.1	353.1	344.8	335.5	328.0	328.0
77.5°	240.7	242.5	249.0	248.1	247.2	243.5	229.5	222.1	199.8	193.3	193.3
80°	137.5	140.3	146.8	148.7	148.7	144.0	130.1	121.7	111.5	106.9	105.9
82.5°	83.6	87.4	91.1	92.9	93.9	88.3	76.2	69.7	64.1	59.5	59.5
85°	43.7	45.5	49.3	50.2	47.4	41.8	35.3	32.5	26.9	26.0	26.0
87.5°	12.1	13.0	14.9	12.1	11.2	8.4	4.6	3.7	1.9	0.9	0.9
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)