

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: P631269

Luminaire Tested: GWS-SA1F-735-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1F-735-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6958.7 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

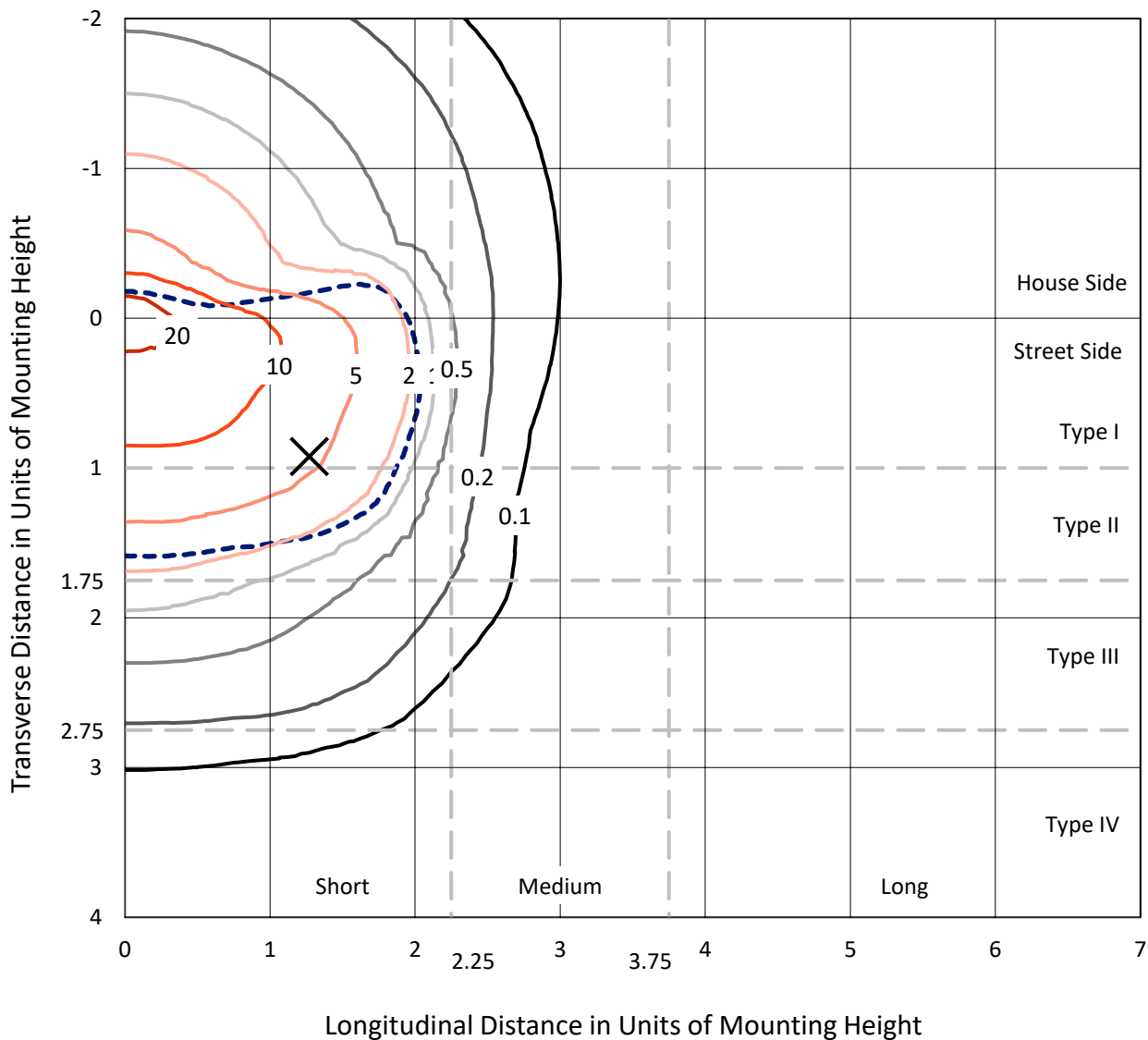
Input Watts (W): 67.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

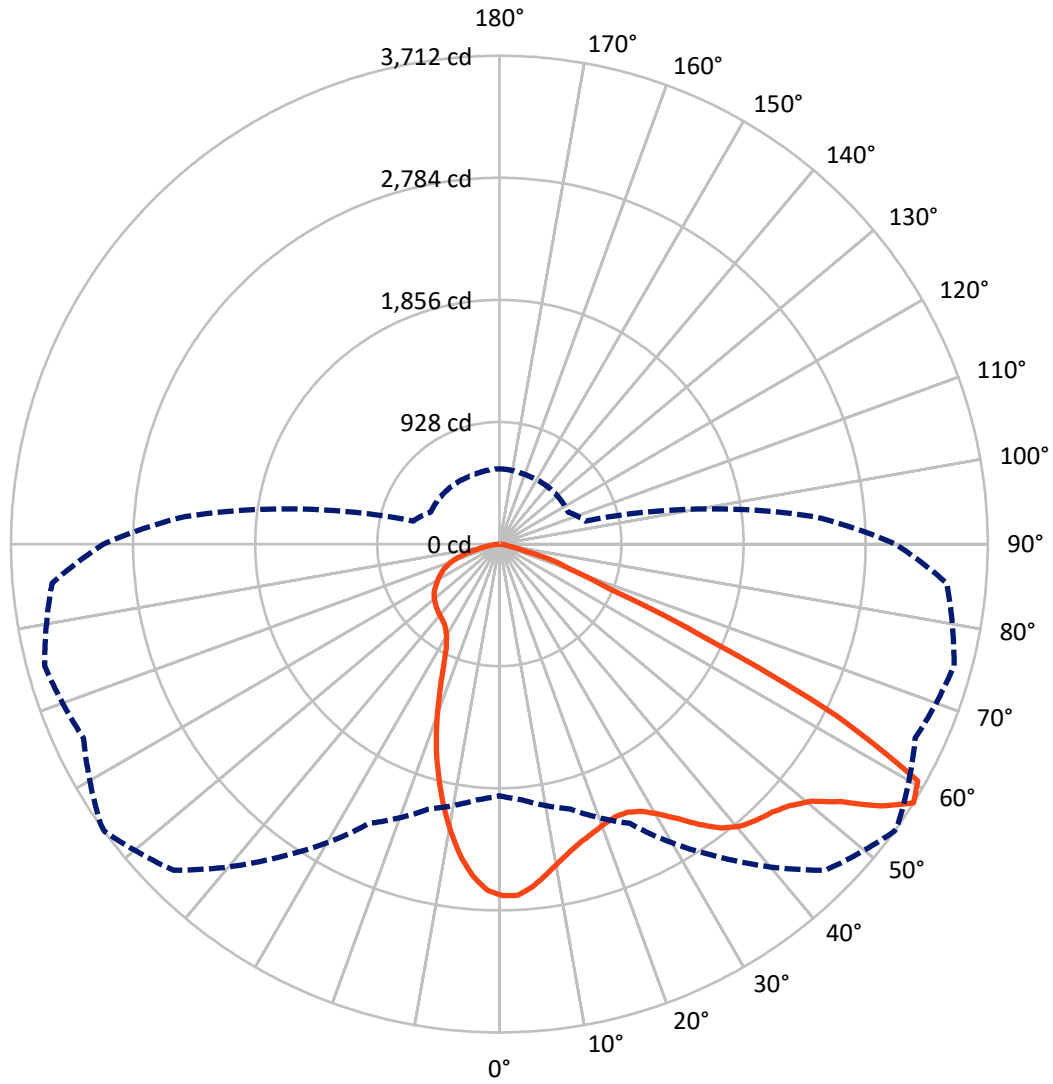
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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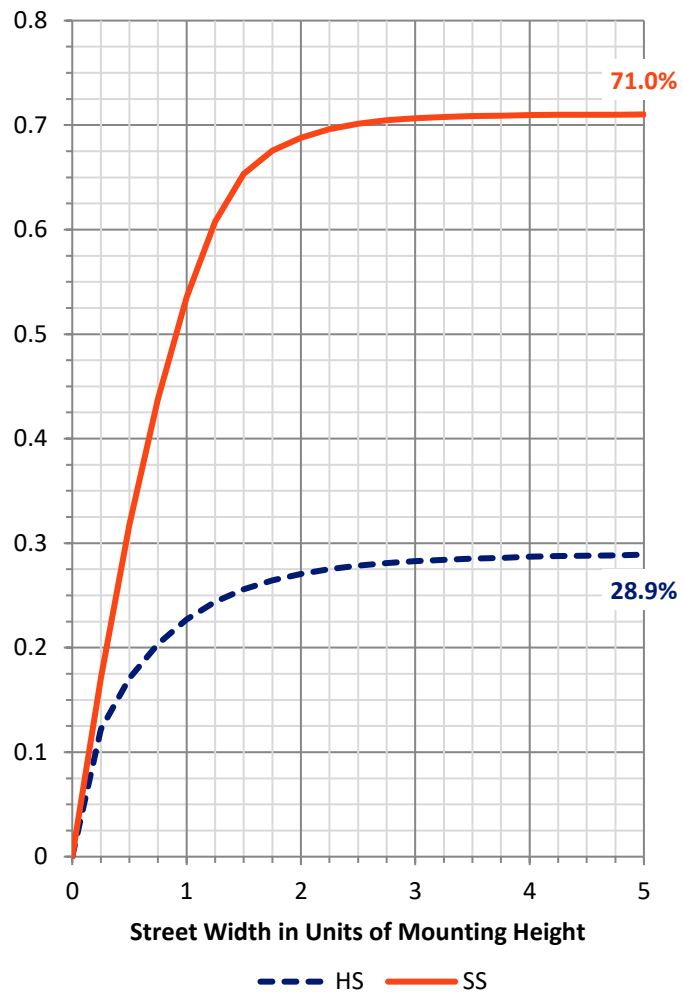
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2023.0	0.0	2023.0
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	4935.7	0.0	4935.7
	% Fixture	70.9	0.0	70.9
Total	Lumens	6958.7	0.0	6958.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.8	3.4
10°-20°	560.3	8.1
20°-30°	775.4	11.1
30°-40°	1077.4	15.5
40°-50°	1423.0	20.4
50°-60°	1691.0	24.3
60°-70°	936.8	13.5
70°-80°	233.3	3.4
80°-90°	26.5	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°	6958.7	100.0
0°-180°	6958.7	100.0

Coefficient of Utilization



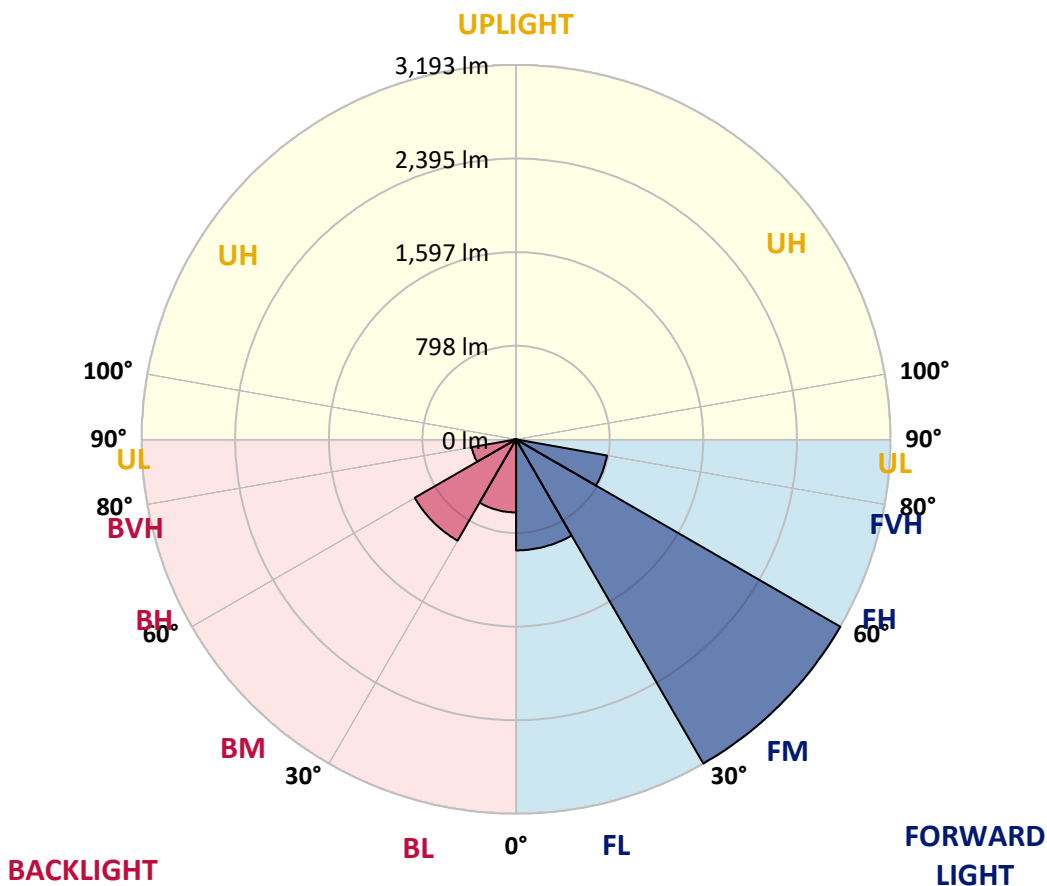
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	947.2	13.6			
FM (30°-60°)	3193.5	45.9			
FH (60°-80°)	786.8	11.3			G1/1800
FVH (80°-90°)	8.3	0.1			G0/10
BL (0°-30°)	623.4	9.0	B2/1000		
BM (30°-60°)	998.0	14.3	B1/1000		
BH (60°-80°)	383.4	5.5	B1/500		G1/500
BVH (80°-90°)	18.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6
2.5°	2621.6	2626.9	2630.5	2643.0	2653.7	2663.3	2673.4	2673.4	2672.8	2671.0	2667.4
5°	2517.9	2523.9	2532.2	2549.5	2572.7	2589.4	2616.8	2619.2	2631.1	2635.9	2633.5
7.5°	2397.6	2399.4	2410.1	2432.7	2469.7	2499.5	2538.8	2543.5	2572.1	2588.8	2585.8
10°	2265.9	2260.0	2279.1	2312.4	2360.7	2410.7	2461.3	2465.5	2511.4	2542.9	2540.6
12.5°	2145.6	2146.2	2165.3	2205.8	2265.9	2327.9	2395.8	2405.3	2461.9	2502.4	2498.3
15°	2045.0	2047.3	2070.6	2116.4	2184.9	2258.8	2343.4	2352.3	2423.8	2477.4	2465.5
17.5°	1964.5	1966.9	1987.2	2039.6	2112.9	2202.2	2305.3	2314.2	2403.0	2466.7	2442.3
20°	1909.1	1907.9	1927.6	1977.6	2053.3	2150.4	2271.9	2285.0	2396.4	2470.9	2426.8
22.5°	1886.5	1885.9	1900.2	1941.3	2012.2	2110.5	2251.7	2269.5	2403.5	2489.3	2417.2
25°	1897.8	1895.4	1907.9	1938.3	1994.9	2095.0	2257.6	2276.7	2433.9	2527.4	2419.0
27.5°	1933.0	1930.0	1940.7	1968.1	2011.0	2111.1	2299.3	2321.3	2498.3	2597.1	2442.9
30°	1986.6	1984.8	1995.5	2021.7	2059.2	2164.7	2379.1	2404.1	2597.7	2705.6	2494.7
32.5°	2049.1	2046.1	2065.2	2095.6	2139.1	2262.4	2486.3	2519.1	2715.7	2844.9	2581.7
35°	2119.4	2117.0	2143.2	2187.3	2249.9	2398.2	2616.2	2651.9	2836.0	3002.8	2697.2
37.5°	2187.9	2187.9	2238.5	2304.1	2382.7	2545.9	2738.3	2761.0	2919.4	3142.8	2821.1
40°	2248.7	2252.2	2328.5	2426.8	2526.9	2679.3	2818.7	2837.8	2956.3	3239.3	2928.9
42.5°	2316.0	2319.0	2407.7	2536.4	2655.5	2787.2	2867.6	2877.1	2963.5	3287.5	3005.2
45°	2369.6	2373.8	2484.0	2621.6	2767.5	2868.2	2906.3	2914.6	2973.6	3313.7	3060.6
47.5°	2397.6	2403.5	2529.8	2690.1	2843.2	2940.8	2970.0	2973.6	3015.3	3359.6	3127.3
50°	2392.8	2404.7	2547.1	2724.0	2899.2	3014.1	3072.5	3078.4	3100.5	3426.9	3205.3
52.5°	2435.1	2440.5	2584.0	2764.5	2979.0	3149.3	3250.6	3258.9	3248.8	3477.6	3251.8
55°	2364.8	2390.4	2538.2	2758.6	3100.5	3358.4	3514.5	3510.3	3383.4	3534.1	3329.2
57.5°	1912.7	1950.2	2085.5	2341.6	2900.3	3505.0	3711.7	3701.5	3487.7	3577.6	3413.2
60°	1324.2	1330.1	1452.3	1633.9	2238.5	3096.3	3653.9	3675.9	3506.7	3522.8	3257.7
62.5°	1059.1	1057.3	1068.6	1073.4	1423.7	2176.6	2884.3	2964.7	2913.4	2744.9	2308.8
65°	904.2	910.8	944.1	926.9	929.3	1225.9	1723.3	1734.6	1698.9	1638.1	1221.1
67.5°	707.7	719.0	778.0	845.3	823.8	789.3	894.1	888.7	700.5	542.1	447.9
70°	443.2	450.3	513.5	663.6	717.2	648.1	574.8	572.4	375.3	308.6	338.3
72.5°	258.5	259.7	277.6	369.9	475.9	443.2	422.9	407.4	241.2	246.0	269.8
75°	142.4	142.4	141.8	159.6	187.6	166.2	160.8	156.7	161.4	182.9	200.7
77.5°	29.8	30.4	32.2	42.3	54.8	66.7	84.0	84.6	105.4	122.1	136.4
80°	13.7	14.3	17.9	22.6	29.2	38.7	51.2	51.8	63.7	76.8	86.4
82.5°	7.1	7.7	9.5	11.9	15.5	20.3	28.6	28.6	38.1	45.3	51.2
85°	2.4	2.4	3.6	4.8	6.6	8.3	11.3	11.3	16.7	22.0	25.6
87.5°	0.0	0.0	0.0	0.0	0.6	1.2	2.4	2.4	3.0	3.6	6.0
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°	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6	2671.6
2.5°	2659.7	2641.2	2641.8	2645.4	2634.1	2616.8	2605.5	2591.2	2582.3	2580.5	2587.0
5°	2621.6	2600.1	2585.2	2569.7	2537.6	2499.5	2469.7	2445.2	2429.2	2423.2	2416.1
7.5°	2569.1	2541.2	2503.6	2460.1	2401.8	2333.9	2286.2	2241.5	2210.6	2201.6	2197.4
10°	2516.7	2476.2	2409.5	2328.5	2231.4	2139.7	2053.3	1987.2	1934.8	1905.0	1914.5
12.5°	2462.5	2412.5	2308.2	2183.7	2048.5	1910.3	1797.2	1687.5	1603.0	1560.7	1548.2
15°	2414.9	2347.0	2201.6	2033.0	1853.1	1679.2	1515.4	1351.0	1243.8	1185.4	1169.3
17.5°	2374.4	2286.2	2089.0	1879.4	1664.3	1416.5	1215.2	1062.7	989.4	957.2	954.9
20°	2334.5	2226.6	1977.6	1713.8	1446.3	1168.7	988.8	917.3	891.1	879.8	879.2
22.5°	2298.7	2164.1	1860.3	1548.2	1229.5	982.3	883.4	852.4	845.3	845.3	844.1
25°	2268.3	2101.5	1740.0	1372.4	1033.5	874.5	828.6	815.5	818.5	823.8	824.4
27.5°	2255.8	2052.7	1623.8	1191.9	898.3	811.9	791.1	789.3	797.6	805.9	807.1
30°	2268.9	2019.3	1504.7	1019.2	817.3	773.8	764.3	767.8	778.0	786.3	786.3
32.5°	2309.4	2002.7	1383.2	892.9	770.2	747.0	744.0	747.6	755.3	760.1	760.7
35°	2377.9	2009.2	1257.5	807.7	739.8	727.3	726.7	729.1	732.1	735.1	735.7
37.5°	2464.3	2038.4	1122.8	758.3	720.2	713.0	711.8	711.2	711.8	711.8	712.4
40°	2548.9	2082.5	1002.5	729.1	706.5	700.5	697.5	693.4	692.8	691.6	691.0
42.5°	2611.4	2116.4	906.6	708.3	694.0	686.8	683.2	676.7	676.1	675.5	674.9
45°	2658.5	2145.0	826.8	688.0	680.9	674.3	666.6	660.6	661.8	663.0	663.0
47.5°	2711.5	2170.0	768.4	668.9	664.8	658.2	648.7	644.5	648.7	652.9	652.9
50°	2775.8	2205.2	720.8	649.9	648.1	640.4	632.0	630.2	635.0	640.9	640.9
52.5°	2822.9	2235.6	686.8	630.8	630.8	620.7	613.5	612.9	618.3	624.3	624.9
55°	2911.1	2306.5	674.9	608.8	606.4	598.7	593.3	589.1	595.7	601.0	601.0
57.5°	3010.5	2400.6	677.9	577.2	574.2	571.8	567.7	562.9	564.7	570.7	571.3
60°	2799.7	2218.3	645.1	545.6	543.9	542.7	537.3	529.0	531.3	536.1	536.7
62.5°	1955.6	1474.3	521.8	506.3	512.3	511.7	504.5	495.0	495.6	502.2	502.2
65°	1015.0	797.6	458.1	470.6	479.5	475.9	464.0	455.7	454.5	462.8	461.1
67.5°	437.8	435.4	417.0	433.1	442.6	434.8	422.3	408.6	409.8	412.8	410.4
70°	352.6	363.4	371.1	388.4	396.1	381.8	368.1	360.4	353.8	353.2	349.1
72.5°	281.8	296.6	313.9	331.8	334.2	319.9	302.6	295.5	285.3	284.7	280.6
75°	212.1	224.6	238.3	252.6	252.6	238.9	227.5	224.0	212.1	208.5	204.9
77.5°	144.7	152.5	163.2	166.8	170.4	165.0	153.7	147.7	134.0	130.5	125.7
80°	91.1	96.5	103.1	105.4	109.0	102.5	93.5	87.0	77.4	74.5	72.1
82.5°	54.8	58.4	62.5	63.7	66.7	62.0	53.6	48.8	43.5	41.1	39.3
85°	28.0	29.8	32.2	32.8	32.2	27.4	24.4	22.0	18.5	17.9	16.7
87.5°	7.1	8.3	8.9	8.3	7.7	6.0	4.2	3.0	1.2	1.2	0.6
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)