

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: P632310

Luminaire Tested: GWS-SA2C-740-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632310
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-740-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7882.9 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

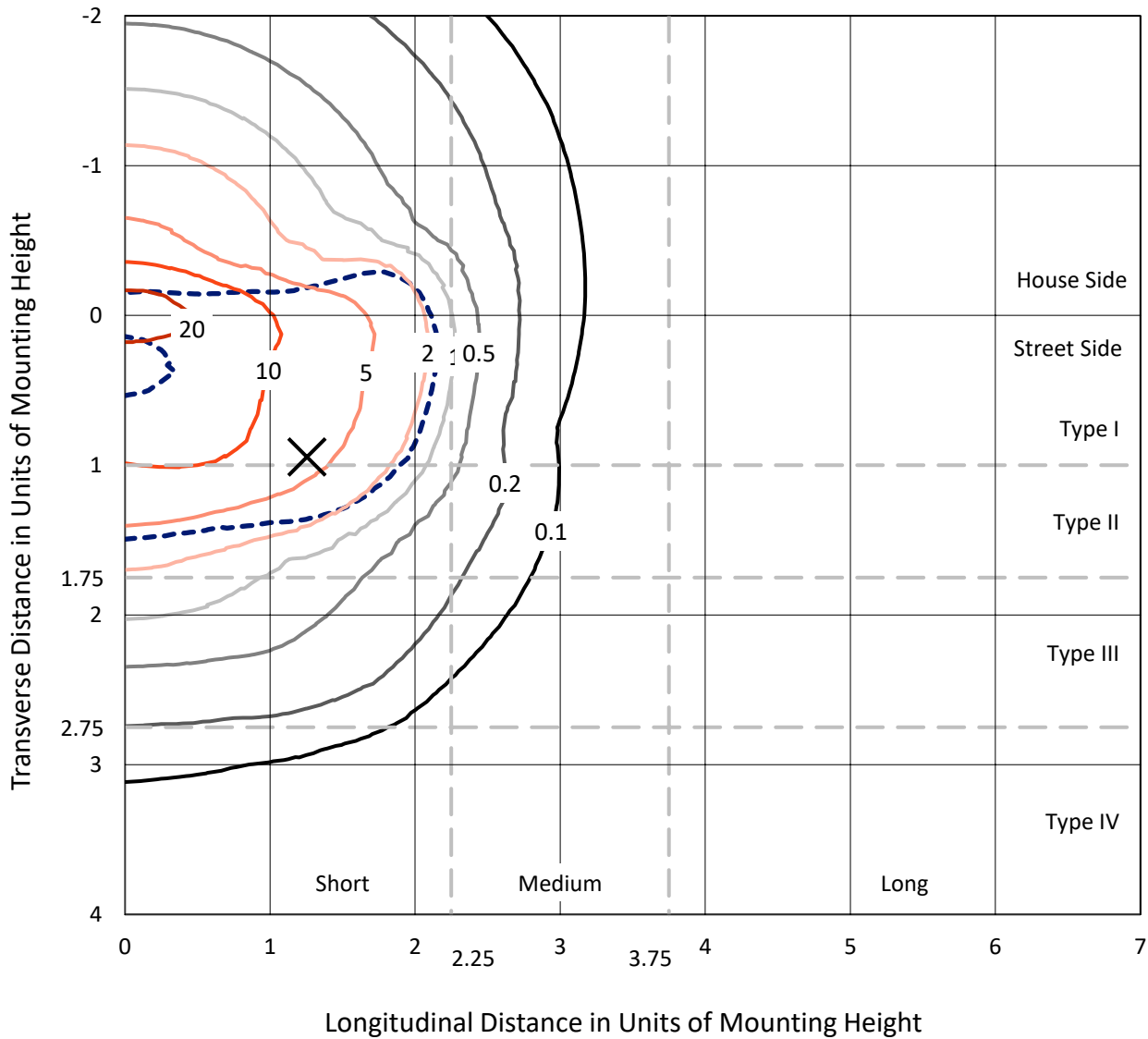
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

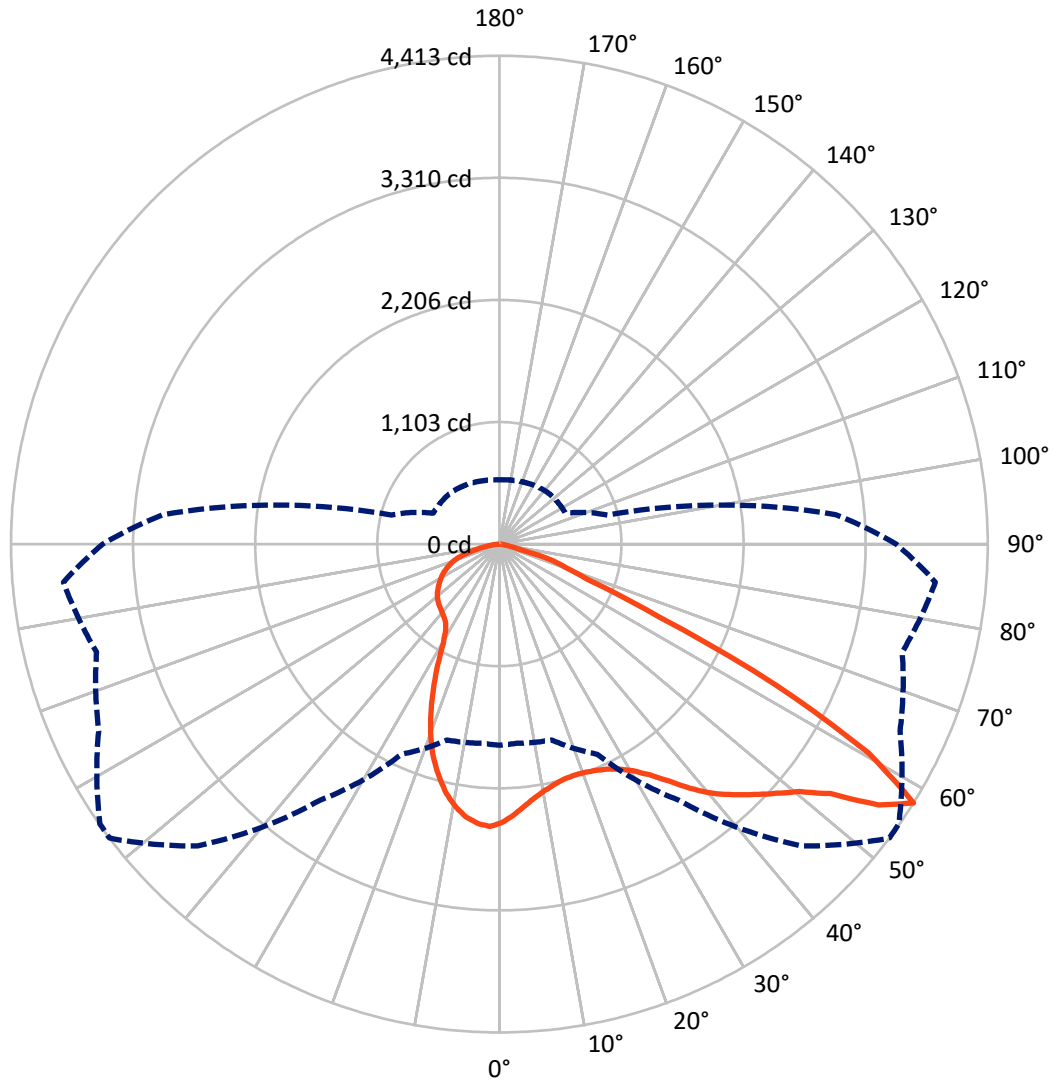
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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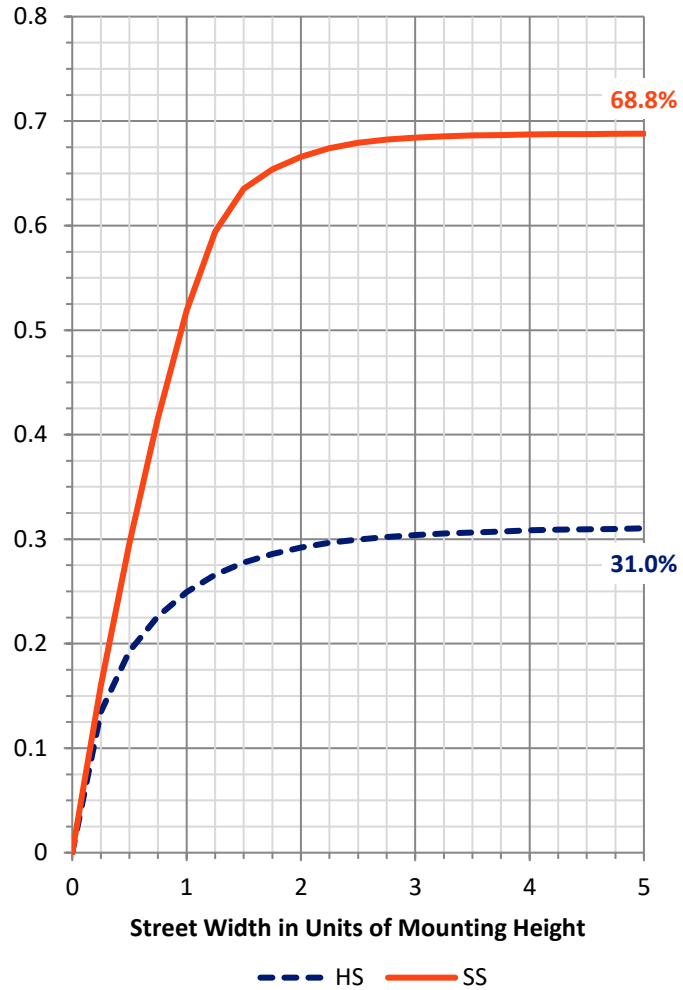
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2464.7	0.0	2464.7
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	5418.2	0.0	5418.2
	% Fixture	68.7	0.0	68.7
Total	Lumens	7882.9	0.0	7882.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.6	2.9
10°-20°	597.2	7.6
20°-30°	879.9	11.2
30°-40°	1231.6	15.6
40°-50°	1619.1	20.5
50°-60°	1898.3	24.1
60°-70°	1118.3	14.2
70°-80°	278.2	3.5
80°-90°	32.6	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°	7882.9	100.0
0°-180°	7882.9	100.0

Coefficient of Utilization



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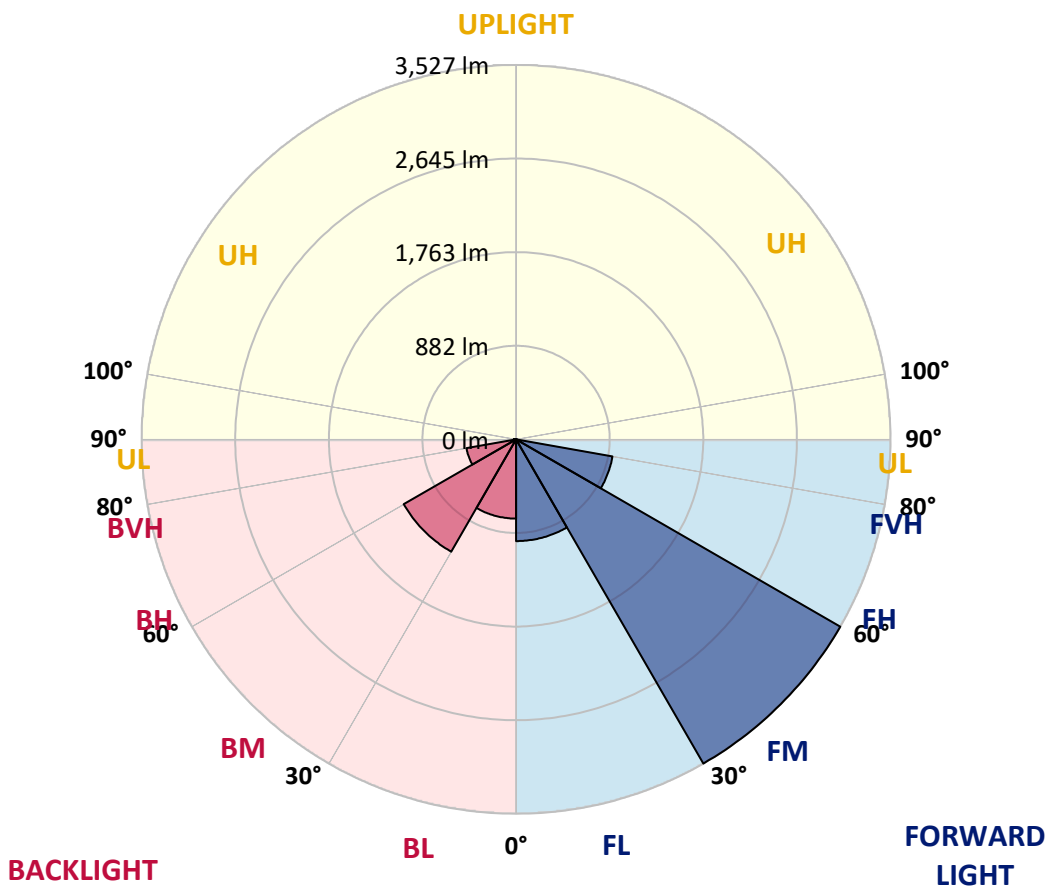
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.4	12.2			
FM (30°-60°)	3526.9	44.7			
FH (60°-80°)	922.0	11.7			G1/1800
FVH (80°-90°)	10.9	0.1			G1/100
BL (0°-30°)	746.3	9.5	B2/1000		
BM (30°-60°)	1222.1	15.5	B2/2500		
BH (60°-80°)	474.5	6.0	B1/500		G1/500
BVH (80°-90°)	21.7	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°	53°	55°	65°	75°	85°
0°	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2
2.5°	2372.6	2379.2	2380.5	2401.1	2402.4	2432.3	2452.2	2448.2	2468.8	2494.0	2513.9
5°	2259.1	2259.8	2266.4	2291.0	2304.2	2343.4	2376.6	2376.6	2416.4	2468.1	2512.6
7.5°	2165.6	2164.9	2170.9	2198.1	2220.0	2267.1	2312.2	2317.5	2373.2	2448.9	2521.2
10°	2078.7	2083.3	2089.9	2123.1	2151.0	2209.4	2263.1	2271.7	2342.1	2435.6	2533.1
12.5°	2022.9	2023.6	2033.5	2070.7	2106.5	2168.9	2225.3	2235.9	2316.9	2423.0	2541.8
15°	1987.1	1987.8	1998.4	2039.5	2081.3	2144.4	2202.1	2214.0	2302.3	2421.0	2558.4
17.5°	1971.2	1970.5	1980.5	2021.6	2067.4	2133.1	2194.8	2209.4	2308.9	2436.3	2587.6
20°	1971.2	1971.8	1977.2	2014.3	2060.8	2130.4	2202.1	2220.0	2334.8	2470.8	2632.7
22.5°	1999.0	2001.7	2004.4	2029.6	2066.1	2134.4	2221.3	2245.2	2390.5	2528.5	2691.7
25°	2053.5	2054.1	2056.8	2077.3	2093.9	2145.7	2253.2	2289.0	2477.4	2612.8	2766.0
27.5°	2126.4	2135.7	2138.4	2151.6	2151.6	2173.5	2302.9	2354.7	2594.8	2734.2	2860.9
30°	2228.6	2231.9	2236.6	2251.2	2235.2	2226.0	2375.9	2442.3	2730.9	2880.8	2975.0
32.5°	2318.2	2325.5	2350.7	2374.6	2346.0	2316.9	2483.4	2561.7	2861.6	3033.4	3096.4
35°	2394.5	2412.4	2460.8	2513.9	2494.0	2464.8	2626.0	2707.6	2969.0	3142.9	3203.9
37.5°	2486.7	2500.6	2567.0	2653.2	2671.1	2657.2	2799.9	2858.2	3040.7	3170.7	3262.3
40°	2580.3	2601.5	2687.1	2806.5	2874.8	2884.8	2960.4	2999.6	3065.3	3116.3	3251.0
42.5°	2675.8	2712.3	2829.7	2969.0	3090.5	3113.0	3095.8	3112.4	3057.3	3041.4	3198.6
45°	2792.6	2835.7	2968.4	3146.2	3306.1	3341.3	3228.5	3213.2	3056.0	3012.8	3166.1
47.5°	2930.6	2973.7	3100.4	3307.4	3511.8	3537.6	3364.5	3336.6	3102.4	3056.6	3209.9
50°	3052.6	3082.5	3196.0	3427.5	3703.5	3718.8	3514.4	3480.6	3217.9	3178.0	3346.6
52.5°	2928.6	2925.3	3044.7	3330.0	3803.0	3986.8	3745.3	3712.8	3440.8	3379.7	3558.2
55°	2484.7	2446.9	2553.7	2834.4	3525.0	4225.0	4159.3	4094.3	3738.0	3582.8	3756.6
57.5°	1816.6	1806.0	1831.9	2095.3	2823.7	3856.1	4412.8	4406.8	3994.8	3768.5	3954.3
60°	1420.5	1404.6	1335.6	1342.9	1924.7	3012.2	3829.6	4005.4	4154.0	3880.0	4092.3
62.5°	1261.3	1249.3	1213.5	1114.6	1146.5	2019.6	2807.2	2968.4	3629.9	3426.8	3515.1
65°	1044.3	1041.0	1070.8	1066.9	960.7	1115.3	1584.4	1746.9	2282.4	2310.9	2282.4
67.5°	759.0	753.0	828.7	978.0	924.9	841.9	883.1	939.5	1170.4	1050.9	946.1
70°	493.6	485.0	528.8	706.6	828.0	733.8	636.3	627.0	643.6	400.1	432.6
72.5°	331.1	321.1	320.5	388.8	500.3	494.3	493.0	488.3	435.9	315.8	350.3
75°	184.4	176.5	174.5	167.9	179.1	182.5	194.4	201.0	217.6	239.5	265.4
77.5°	31.2	30.5	38.5	49.1	67.7	86.9	107.5	113.5	140.0	165.9	182.5
80°	17.3	17.9	23.2	28.5	37.8	51.8	66.3	70.3	86.3	100.2	113.5
82.5°	9.3	9.3	11.9	15.3	20.6	27.2	35.8	39.1	49.8	58.4	67.7
85°	3.3	3.3	4.6	6.0	8.6	11.3	13.9	15.9	21.9	29.9	33.8
87.5°	0.0	0.0	0.0	0.0	0.7	1.3	2.7	2.7	3.3	6.0	8.6
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°	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2	2517.2
2.5°	2530.5	2512.6	2537.1	2548.4	2552.4	2555.0	2537.8	2525.8	2521.9	2509.3	2502.0
5°	2539.8	2527.8	2551.1	2551.1	2534.5	2517.2	2482.1	2457.5	2440.3	2419.7	2416.4
7.5°	2555.7	2547.1	2559.7	2533.8	2492.0	2445.6	2384.5	2336.8	2298.3	2273.1	2273.7
10°	2576.9	2566.3	2556.4	2498.6	2422.3	2336.8	2243.2	2173.5	2109.8	2080.7	2064.7
12.5°	2590.9	2575.6	2533.8	2438.3	2326.1	2211.4	2079.3	1975.8	1883.6	1841.8	1838.5
15°	2608.1	2580.3	2496.7	2360.0	2204.1	2047.5	1877.6	1733.7	1608.9	1543.9	1540.6
17.5°	2630.7	2584.9	2452.2	2270.4	2075.3	1844.5	1630.8	1449.7	1317.0	1266.6	1275.2
20°	2662.5	2590.2	2401.8	2170.9	1915.5	1613.6	1347.5	1181.0	1129.9	1126.6	1119.9
22.5°	2698.4	2593.5	2346.0	2059.4	1721.7	1367.4	1113.3	1042.3	1041.7	1058.2	1062.2
25°	2738.8	2596.2	2283.0	1929.4	1512.1	1121.9	984.6	963.4	980.0	1011.1	1015.1
27.5°	2790.6	2601.5	2206.7	1786.7	1289.1	969.3	913.6	908.3	928.2	957.4	956.1
30°	2866.9	2620.7	2125.8	1622.9	1060.2	897.0	870.5	871.1	879.1	893.0	895.0
32.5°	2944.5	2650.6	2046.8	1438.4	928.9	855.9	843.9	842.6	842.6	848.6	849.9
35°	3018.1	2684.4	1961.2	1246.0	865.2	832.0	824.0	820.1	818.1	816.7	814.7
37.5°	3059.3	2701.0	1877.6	1056.3	831.3	816.1	808.1	802.8	795.5	790.2	788.9
40°	3041.4	2681.8	1780.8	914.3	810.8	800.8	791.5	784.2	774.3	769.6	767.0
42.5°	2981.7	2622.1	1675.3	847.3	794.2	784.2	772.9	761.0	754.4	750.4	749.7
45°	2918.6	2549.7	1547.9	808.1	778.3	766.3	753.0	739.8	732.5	730.5	729.8
47.5°	2916.6	2513.9	1412.5	776.9	759.0	747.1	730.5	717.2	709.3	706.6	703.9
50°	3004.2	2550.4	1259.9	749.7	739.1	726.5	707.9	693.3	683.4	680.1	679.4
52.5°	3186.0	2687.7	1123.3	722.5	712.6	698.0	682.7	668.1	656.2	650.2	649.5
55°	3382.4	2862.2	1038.3	694.7	681.4	668.8	654.8	638.9	625.7	616.4	615.0
57.5°	3585.4	3052.6	1012.5	659.5	649.5	640.9	624.3	607.1	591.8	583.2	581.2
60°	3752.6	3216.5	1060.9	622.3	617.0	605.8	590.5	573.9	563.3	556.7	555.3
62.5°	3141.6	2618.7	856.5	581.9	581.9	569.9	552.7	540.7	533.4	528.8	527.5
65°	1993.7	1621.5	584.5	541.4	540.7	524.8	510.2	502.3	498.9	491.6	490.3
67.5°	868.5	741.1	499.6	500.3	497.6	480.4	465.8	459.8	453.2	445.2	444.5
70°	450.5	459.1	447.2	454.5	449.8	429.3	415.3	406.0	392.1	384.2	384.8
72.5°	363.6	372.9	386.1	397.4	387.5	370.9	349.0	337.7	319.8	311.2	311.8
75°	277.3	287.3	299.9	311.8	303.9	283.3	269.4	258.1	237.5	227.6	229.6
77.5°	191.1	196.4	211.6	211.0	208.3	202.4	181.8	168.5	147.3	135.3	136.7
80°	118.8	122.1	129.4	132.7	131.4	123.4	106.8	96.9	84.3	77.0	77.6
82.5°	71.7	73.6	80.3	80.9	80.3	74.3	61.7	54.4	46.4	42.5	42.5
85°	36.5	37.8	41.8	41.8	37.8	31.8	28.5	25.2	20.6	18.6	18.6
87.5°	10.0	10.0	12.6	10.6	8.6	8.0	4.0	3.3	1.3	0.7	0.7
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)