

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: P634238

Luminaire Tested: GWS-SA3B-735-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634238
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6000.4 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

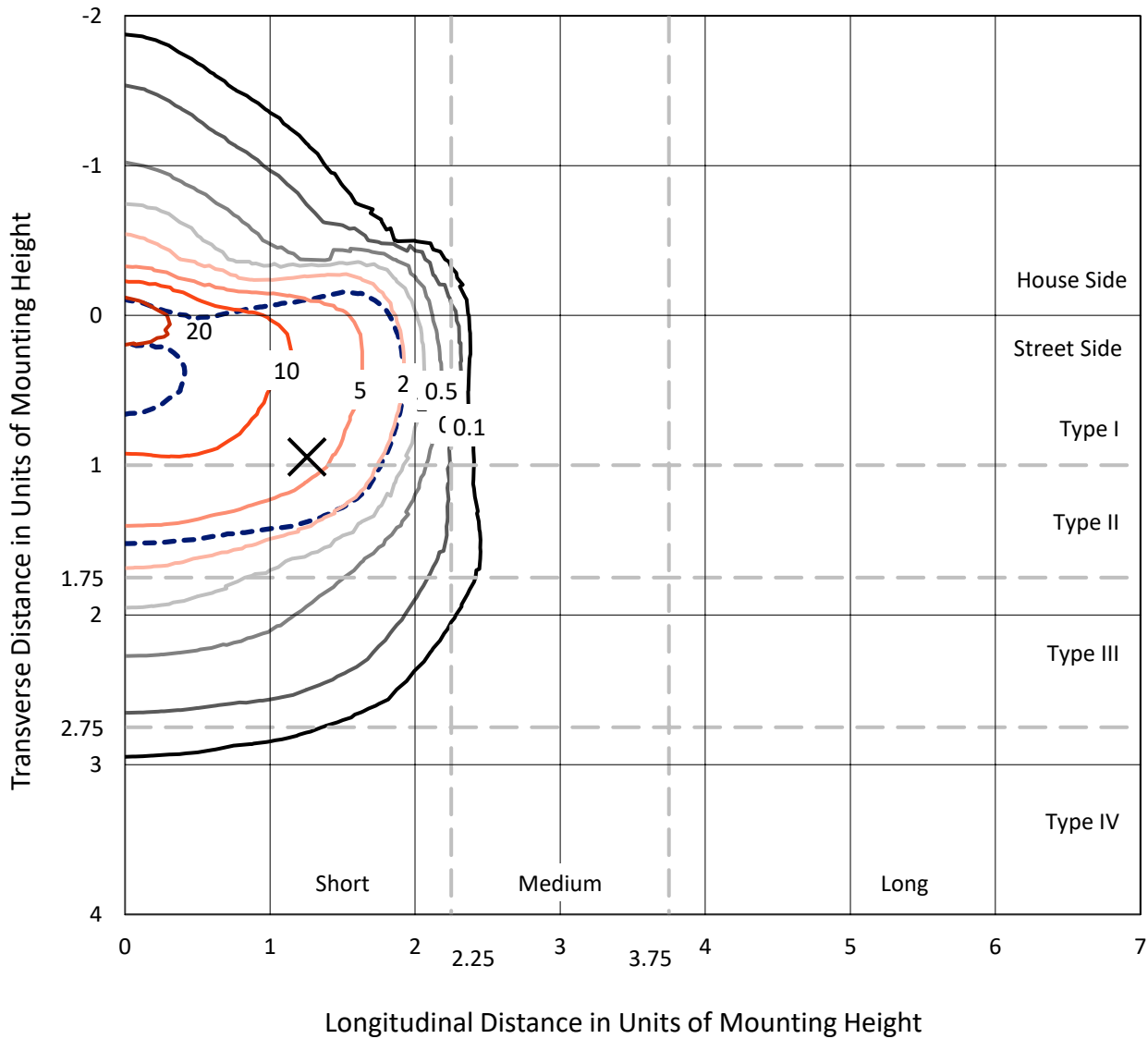
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634238
 CATALOG NUMBER: GWS-SA3B-735-U-SL3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

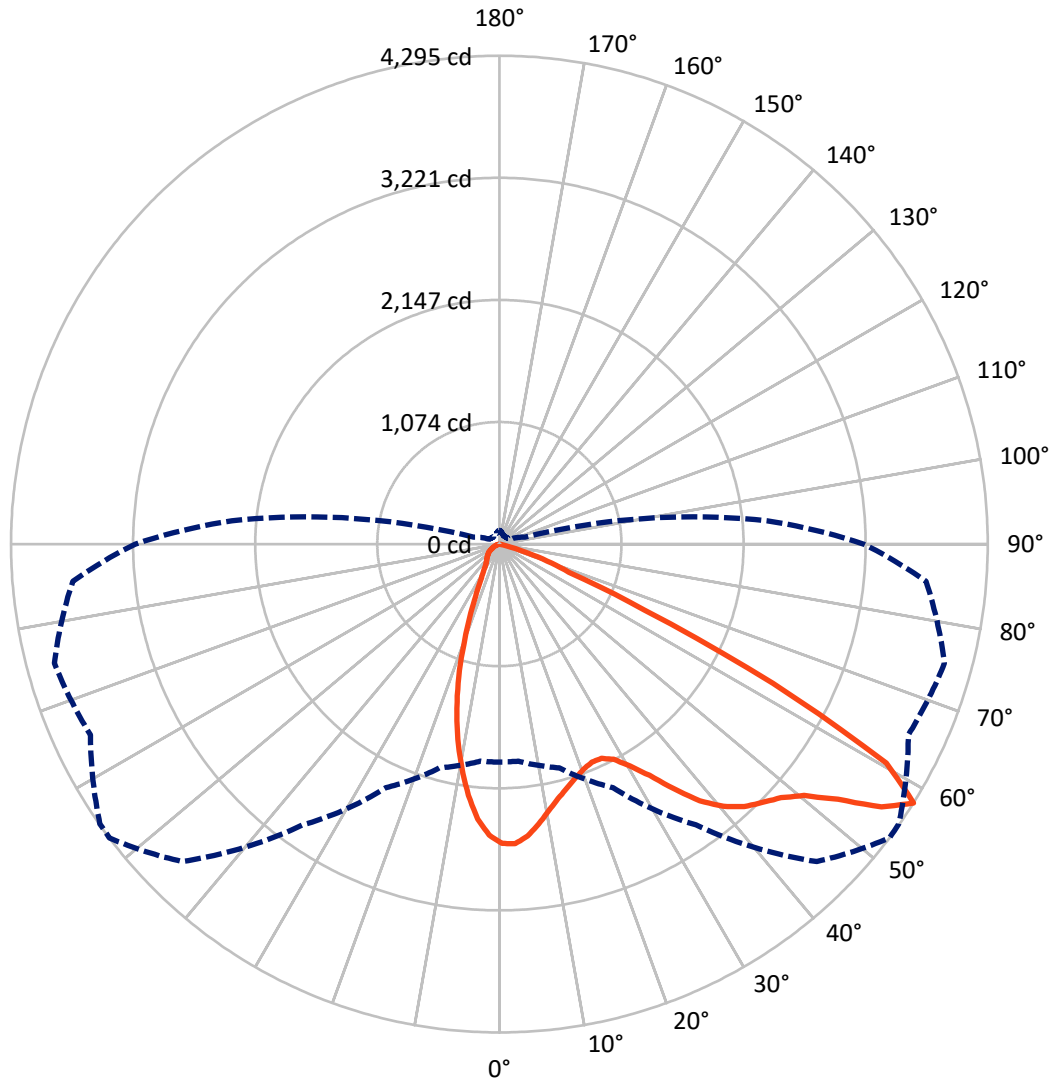
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.3 fc
 Type II - Short - N/A

REPORT NUMBER: P634238
CATALOG NUMBER: GWS-SA3B-735-U-SL3-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P634238

CATALOG NUMBER: GWS-SA3B-735-U-SL3-W-GRSBK

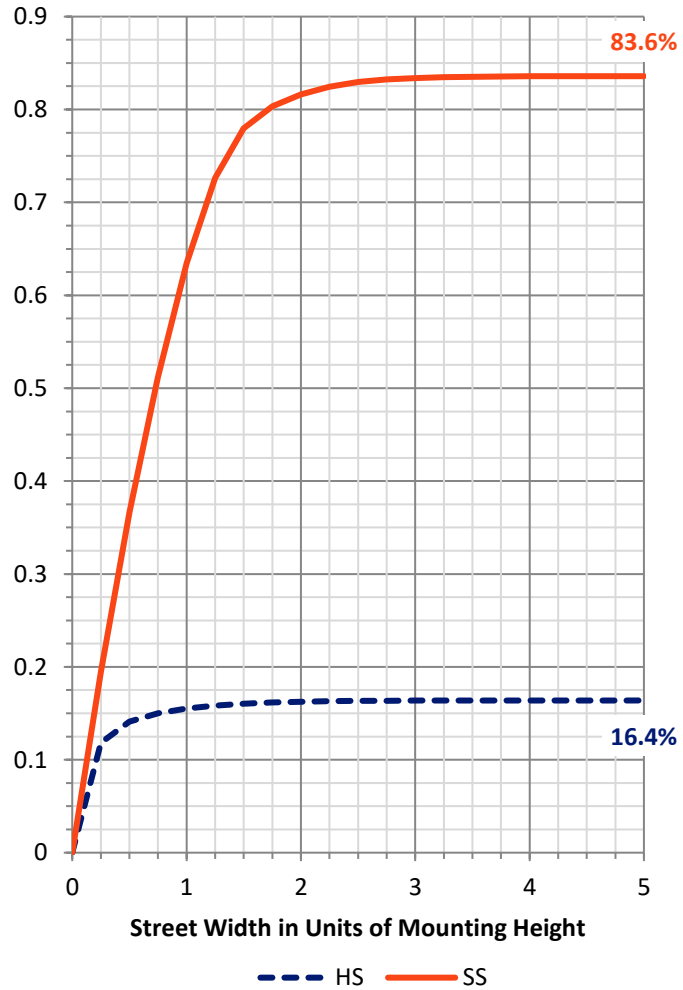
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	991.2	0.0	991.2
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5009.2	0.0	5009.2
	% Fixture	83.5	0.0	83.5
Total	Lumens	6000.4	0.0	6000.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.2	3.8
10°-20°	494.4	8.2
20°-30°	644.1	10.7
30°-40°	934.2	15.6
40°-50°	1348.0	22.5
50°-60°	1630.3	27.2
60°-70°	664.5	11.1
70°-80°	59.7	1.0
80°-90°	0.0	0.0
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°	6000.4	100.0
0°-180°	6000.4	100.0

Coefficient of Utilization



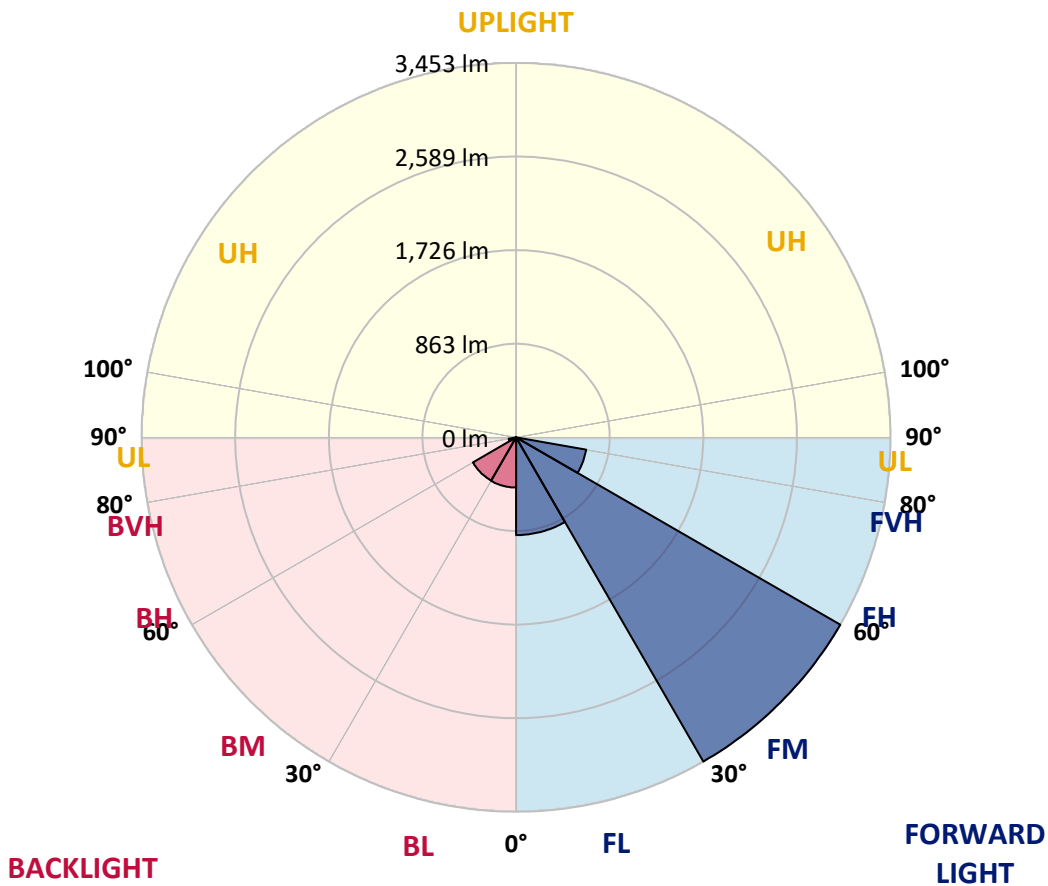
REPORT NUMBER: P634238

CATALOG NUMBER: GWS-SA3B-735-U-SL3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	901.1	15.0			
FM (30°-60°)	3452.5	57.5			
FH (60°-80°)	655.6	10.9			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	462.6	7.7	B1/500		
BM (30°-60°)	460.1	7.7	B1/1000		
BH (60°-80°)	68.5	1.1	B0/110		G0/110
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type II Short





REPORT NUMBER: P634238
 CATALOG NUMBER: GWS-SA3B-735-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1
2.5°	2595.3	2601.2	2611.5	2624.8	2633.6	2638.0	2638.0	2650.5	2642.4	2635.8	2628.4
5°	2484.3	2490.2	2504.2	2525.5	2546.8	2562.3	2579.9	2593.1	2598.3	2598.3	2585.8
7.5°	2327.6	2335.7	2344.6	2374.0	2420.3	2454.9	2485.0	2504.2	2532.1	2540.9	2523.3
10°	2159.2	2167.3	2187.2	2227.6	2280.6	2332.1	2383.5	2407.8	2455.6	2480.6	2460.8
12.5°	2016.6	2020.2	2046.7	2095.3	2162.9	2233.5	2296.0	2321.0	2388.7	2426.2	2402.7
15°	1898.9	1901.1	1927.6	1981.3	2059.2	2146.0	2224.7	2250.4	2333.5	2390.2	2354.9
17.5°	1809.9	1810.6	1833.4	1891.5	1973.2	2069.5	2162.9	2194.5	2301.9	2370.3	2317.4
20°	1765.0	1762.8	1779.0	1829.8	1907.0	2003.3	2113.6	2152.6	2284.3	2367.4	2288.7
22.5°	1765.8	1760.6	1767.2	1803.3	1868.7	1959.2	2082.7	2126.9	2285.7	2379.9	2264.4
25°	1807.7	1800.3	1801.8	1820.9	1867.3	1949.6	2087.2	2134.2	2315.1	2421.8	2255.6
27.5°	1878.3	1870.2	1870.2	1879.8	1904.8	1979.8	2142.3	2196.0	2393.8	2503.4	2274.0
30°	1969.5	1961.4	1958.5	1968.0	1988.6	2057.7	2265.1	2321.0	2528.4	2637.3	2332.8
32.5°	2073.9	2064.4	2069.5	2082.7	2102.6	2198.2	2423.3	2497.5	2696.8	2817.4	2438.7
35°	2184.2	2176.1	2199.7	2228.4	2259.3	2393.1	2641.7	2706.4	2903.5	3041.8	2600.5
37.5°	2289.4	2285.7	2335.0	2395.3	2459.3	2627.0	2863.8	2913.8	3080.7	3285.9	2798.3
40°	2394.6	2393.8	2478.4	2584.3	2686.5	2860.1	3032.2	3073.4	3188.8	3475.7	2988.1
42.5°	2512.2	2512.2	2629.2	2770.4	2906.4	3057.2	3155.7	3174.1	3237.4	3585.2	3130.7
45°	2624.8	2631.4	2766.7	2930.7	3091.8	3210.9	3241.1	3242.5	3257.2	3650.0	3249.1
47.5°	2713.8	2719.6	2881.4	3070.4	3244.0	3327.8	3332.3	3325.6	3309.5	3711.7	3340.3
50°	2785.8	2794.6	2963.8	3163.8	3348.4	3440.4	3474.2	3467.6	3426.4	3777.9	3404.3
52.5°	2821.1	2833.6	2992.5	3210.2	3464.6	3633.0	3727.2	3742.6	3601.4	3814.7	3465.4
55°	2538.7	2557.1	2703.5	3001.3	3529.3	3930.9	4078.7	4075.8	3791.2	3924.3	3613.9
57.5°	1917.3	1915.8	2037.2	2362.9	3014.5	3947.8	4294.9	4289.0	3968.4	4051.5	3766.2
60°	1305.4	1296.6	1328.9	1486.3	2107.8	3216.1	3908.8	3988.3	3842.6	3742.6	3197.7
62.5°	1074.5	1066.4	1056.1	1012.7	1210.5	2003.3	2700.5	2821.1	2802.0	2601.2	2005.5
65°	879.6	886.2	914.9	896.5	842.1	1027.4	1401.7	1473.1	1346.6	1133.3	700.9
67.5°	648.7	651.6	689.1	786.2	756.8	684.0	659.7	671.5	393.5	180.9	116.9
70°	383.2	385.4	419.9	550.1	614.1	525.1	445.7	439.1	155.9	48.5	53.0
72.5°	217.0	212.5	219.2	261.8	334.6	278.7	229.5	208.9	47.1	27.2	27.2
75°	103.0	100.0	86.0	80.9	73.5	47.1	29.4	25.0	11.8	11.0	11.0
77.5°	0.7	2.2	1.5	2.2	2.2	1.5	0.7	0.7	2.2	2.2	2.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



REPORT NUMBER: P634238
 CATALOG NUMBER: GWS-SA3B-735-U-SL3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1	2632.1
2.5°	2615.2	2593.1	2588.0	2586.5	2565.9	2543.9	2521.1	2512.2	2499.0	2490.9	2497.5
5°	2565.9	2534.3	2506.4	2480.6	2435.0	2385.0	2341.6	2313.7	2287.2	2269.5	2274.0
7.5°	2496.1	2454.9	2390.9	2325.4	2241.6	2166.6	2082.7	2031.3	1983.5	1957.0	1969.5
10°	2421.8	2367.4	2265.1	2154.1	2022.4	1904.8	1784.9	1687.1	1630.5	1576.8	1582.7
12.5°	2349.0	2276.9	2123.9	1955.5	1789.3	1615.7	1434.8	1299.5	1206.8	1139.9	1129.6
15°	2281.3	2188.7	1986.4	1764.3	1537.8	1306.9	1075.9	882.5	775.1	709.0	704.5
17.5°	2221.0	2106.3	1843.7	1564.3	1280.4	984.7	719.3	574.4	512.6	483.9	481.0
20°	2162.9	2023.2	1698.1	1361.3	999.5	691.3	496.4	429.5	409.6	397.9	399.3
22.5°	2107.0	1932.7	1545.1	1136.2	749.4	485.4	384.6	358.9	356.7	358.2	358.9
25°	2060.0	1849.6	1387.8	919.3	534.7	369.9	321.4	314.0	320.6	330.2	331.7
27.5°	2035.7	1782.0	1234.1	700.9	386.8	300.8	278.7	281.7	293.4	303.7	305.2
30°	2042.3	1731.2	1075.2	508.2	297.9	253.7	246.4	252.3	264.0	273.6	275.1
32.5°	2089.4	1705.5	912.7	369.9	244.9	221.4	218.4	222.8	233.1	240.5	241.2
35°	2182.8	1711.4	758.2	283.1	210.3	197.1	196.4	199.3	204.5	209.6	210.3
37.5°	2320.3	1759.2	606.0	235.3	190.5	180.9	178.0	178.0	181.7	183.9	185.3
40°	2468.1	1831.2	485.4	208.1	176.5	166.2	160.3	158.1	161.1	164.0	164.7
42.5°	2590.2	1903.3	394.2	189.0	165.5	151.5	144.1	142.7	146.4	151.5	153.0
45°	2683.6	1959.2	328.7	173.6	153.0	137.5	129.4	129.4	136.1	144.9	146.4
47.5°	2768.9	2004.1	280.2	159.6	141.2	125.0	116.9	118.4	129.4	141.2	143.4
50°	2827.0	2040.1	244.2	147.1	131.6	114.7	107.4	110.3	123.6	137.5	139.7
52.5°	2889.5	2084.2	220.6	136.1	122.8	106.6	100.0	102.2	116.9	132.4	135.3
55°	3062.3	2232.0	219.9	121.3	107.4	95.6	92.7	93.4	108.1	125.8	129.4
57.5°	3203.5	2362.2	234.6	102.2	89.7	83.8	82.4	83.1	96.3	116.2	120.6
60°	2650.5	1835.6	194.2	84.6	75.0	73.5	71.3	72.8	85.3	103.0	106.6
62.5°	1568.7	1049.5	92.7	64.7	64.0	62.5	60.3	63.2	75.0	90.5	92.7
65°	536.1	311.1	58.8	53.0	54.4	52.2	50.0	53.0	63.2	72.1	72.8
67.5°	103.0	82.4	47.1	44.1	44.9	40.4	39.7	42.7	48.5	50.0	49.3
70°	53.7	47.8	36.0	36.0	34.6	28.7	28.7	31.6	31.6	29.4	28.7
72.5°	27.9	26.5	23.5	26.5	22.1	17.7	17.7	19.1	17.7	14.7	14.7
75°	11.0	11.0	10.3	13.2	9.6	8.1	7.4	8.8	6.6	5.1	5.1
77.5°	2.9	2.9	2.9	3.7	2.2	2.2	1.5	1.5	0.7	0.0	0.0
80°	0.0	0.7	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)