

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: P634403

Luminaire Tested: GWS-SA3B-760-U-SL3-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P634403  
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-760-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) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

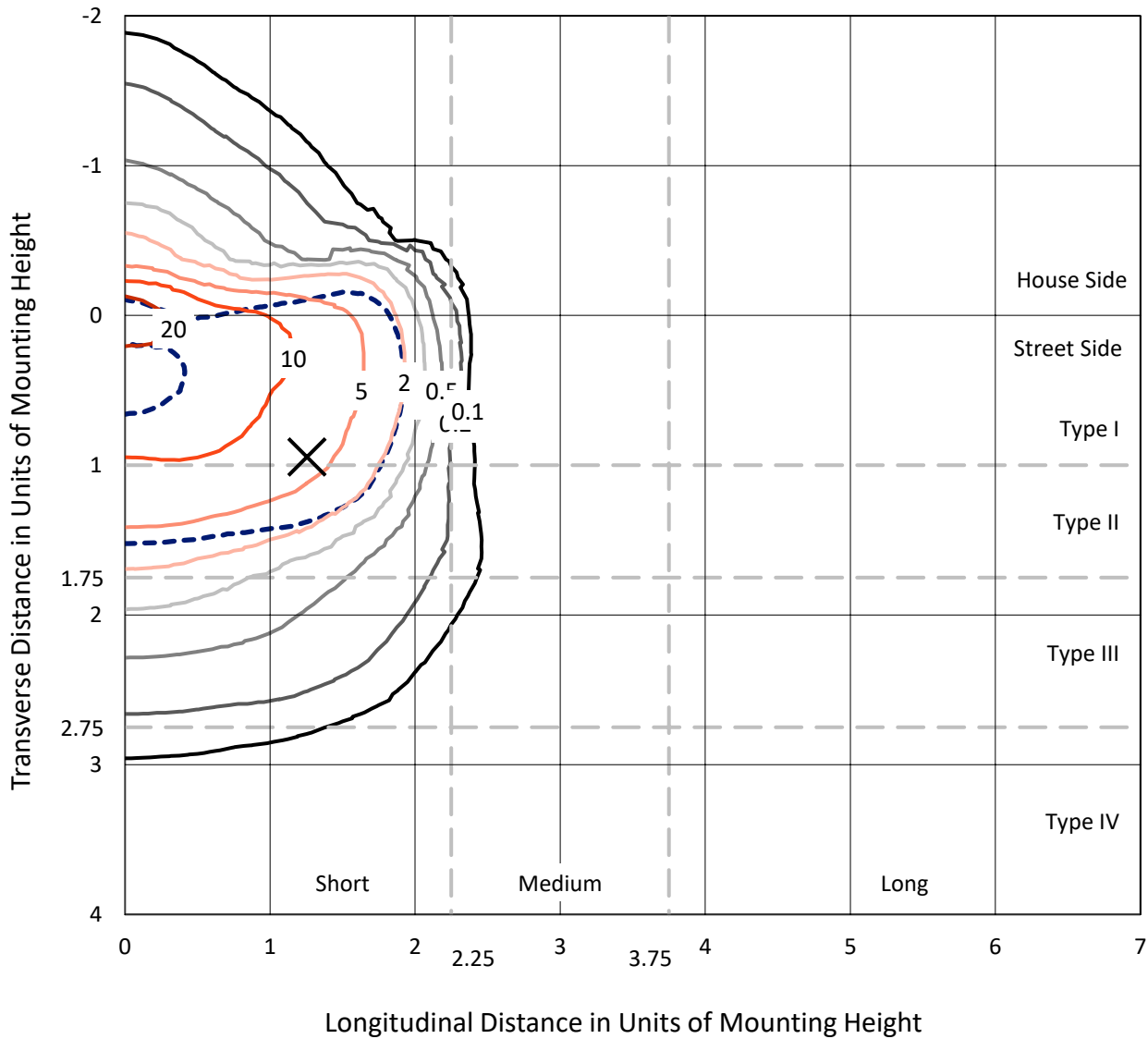
Lumens per Lamp: N/A  
Luminaire Lumens: 6137.9 lumens  
Efficiency: N/A  
Efficacy: 89.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 68.3  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

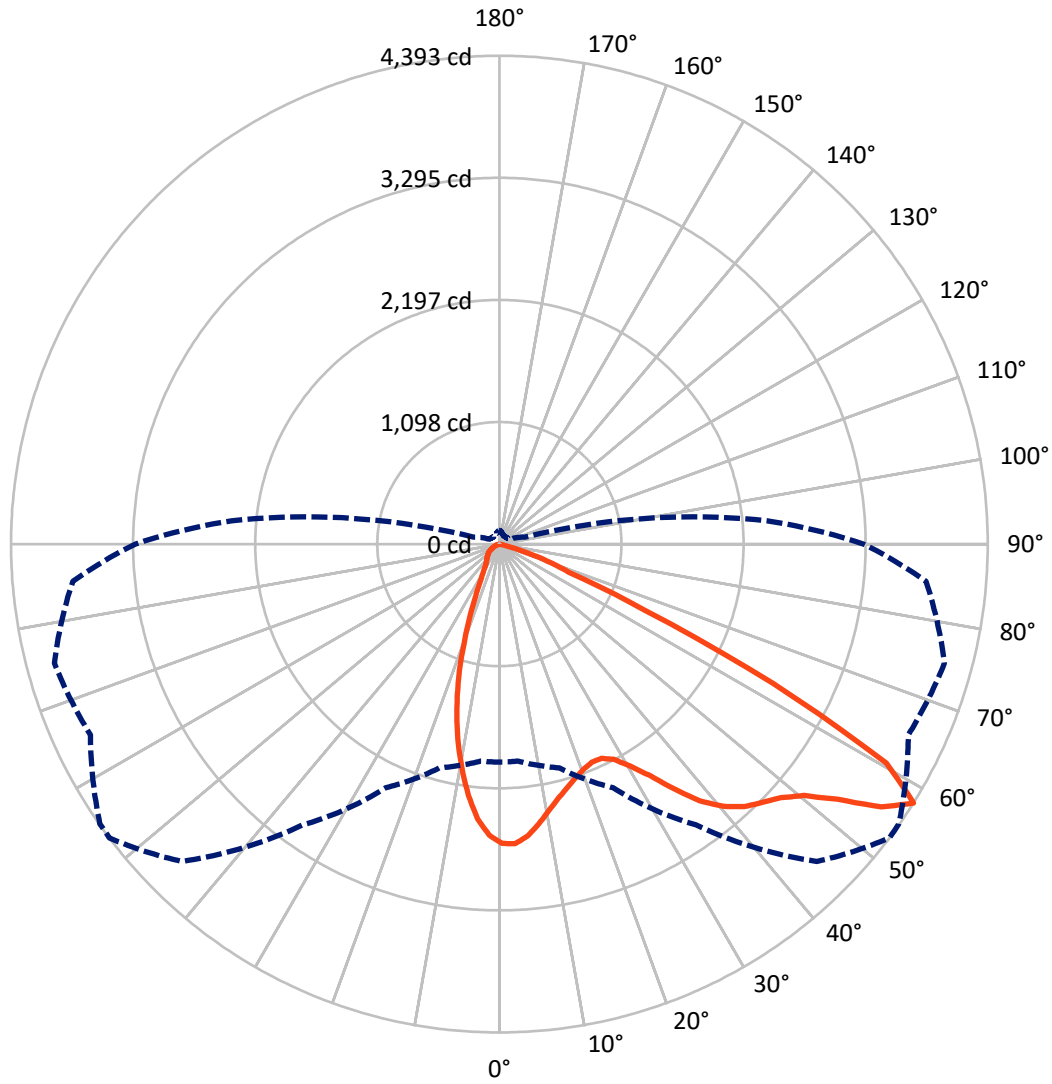
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 26.9 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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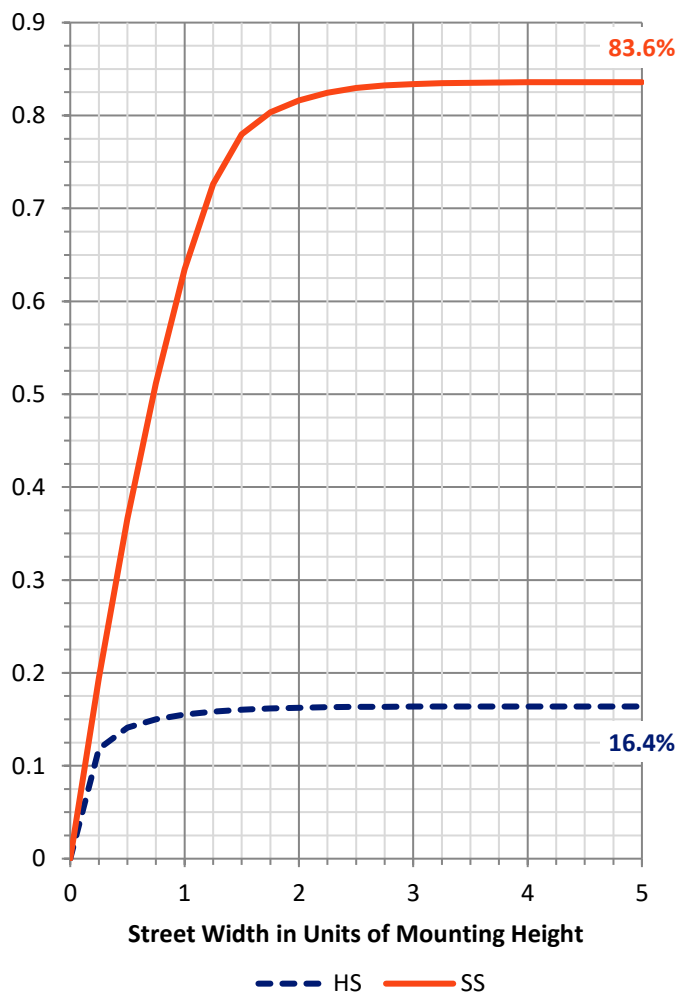
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1013.9	0.0	1013.9
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	5124.0	0.0	5124.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	6137.9	0.0	6137.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	230.4	3.8
10°-20°	505.7	8.2
20°-30°	658.8	10.7
30°-40°	955.6	15.6
40°-50°	1378.9	22.5
50°-60°	1667.7	27.2
60°-70°	679.7	11.1
70°-80°	61.1	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°	6137.9	100.0
0°-180°	6137.9	100.0

**Coefficient of Utilization**



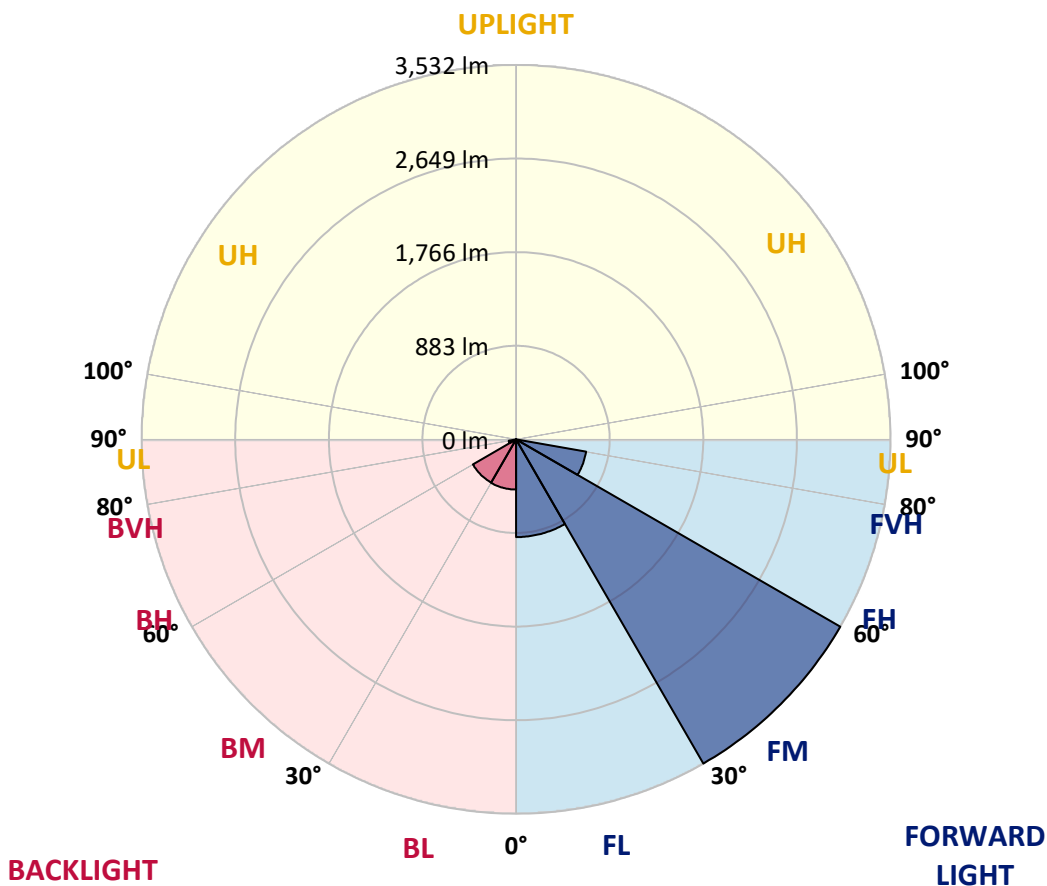
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	921.7	15.0			
FM (30°-60°)	3531.6	57.5			
FH (60°-80°)	670.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	473.2	7.7	B1/500		
BM (30°-60°)	470.6	7.7	B1/1000		
BH (60°-80°)	70.1	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-G1**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4
2.5°	2654.8	2660.8	2671.4	2684.9	2693.9	2698.5	2698.5	2711.2	2703.0	2696.2	2688.7
5°	2541.2	2547.2	2561.5	2583.4	2605.2	2621.0	2639.0	2652.6	2657.8	2657.8	2645.0
7.5°	2381.0	2389.3	2398.3	2428.4	2475.8	2511.1	2542.0	2561.5	2590.1	2599.1	2581.1
10°	2208.7	2217.0	2237.3	2278.7	2332.8	2385.5	2438.2	2463.0	2511.9	2537.5	2517.2
12.5°	2062.8	2066.5	2093.6	2143.3	2212.5	2284.7	2348.6	2374.2	2443.4	2481.8	2457.7
15°	1942.4	1944.7	1971.7	2026.7	2106.4	2195.2	2275.7	2302.0	2387.0	2444.9	2408.8
17.5°	1851.4	1852.1	1875.4	1934.9	2018.4	2116.9	2212.5	2244.8	2354.7	2424.6	2370.5
20°	1805.5	1803.2	1819.8	1871.7	1950.7	2049.2	2162.1	2201.9	2336.6	2421.6	2341.1
22.5°	1806.2	1801.0	1807.7	1844.6	1911.6	2004.1	2130.5	2175.6	2338.1	2434.4	2316.3
25°	1849.1	1841.6	1843.1	1862.7	1910.1	1994.3	2135.0	2183.1	2368.2	2477.3	2307.3
27.5°	1921.3	1913.1	1913.1	1922.8	1948.4	2025.2	2191.4	2246.3	2448.7	2560.8	2326.1
30°	2014.6	2006.3	2003.3	2013.1	2034.2	2104.9	2317.0	2374.2	2586.4	2697.7	2386.3
32.5°	2121.4	2111.7	2116.9	2130.5	2150.8	2248.6	2478.8	2554.8	2758.6	2882.0	2494.6
35°	2234.3	2226.0	2250.1	2279.4	2311.0	2447.9	2702.2	2768.4	2970.0	3111.5	2660.1
37.5°	2341.9	2338.1	2388.5	2450.2	2515.6	2687.2	2929.4	2980.6	3151.3	3361.2	2862.4
40°	2449.4	2448.7	2535.2	2643.5	2748.1	2925.6	3101.7	3143.8	3261.9	3555.3	3056.5
42.5°	2569.8	2569.8	2689.4	2833.9	2973.0	3127.3	3228.1	3246.9	3311.6	3667.4	3202.5
45°	2684.9	2691.7	2830.1	2997.9	3162.6	3284.5	3315.3	3316.8	3331.9	3733.6	3323.6
47.5°	2775.9	2782.0	2947.5	3140.8	3318.3	3404.1	3408.6	3401.8	3385.3	3796.8	3416.9
50°	2849.7	2858.7	3031.7	3236.3	3425.2	3519.2	3553.8	3547.0	3504.9	3864.5	3482.3
52.5°	2885.8	2898.6	3061.1	3283.7	3544.0	3716.3	3812.6	3828.4	3683.9	3902.1	3544.8
55°	2596.9	2615.7	2765.4	3070.1	3610.2	4021.0	4172.2	4169.2	3878.0	4014.2	3696.7
57.5°	1961.2	1959.7	2083.8	2417.1	3083.6	4038.3	4393.4	4387.3	4059.3	4144.3	3852.5
60°	1335.3	1326.3	1359.4	1520.4	2156.1	3289.7	3998.4	4079.6	3930.7	3828.4	3270.9
62.5°	1099.1	1090.8	1080.3	1035.9	1238.3	2049.2	2762.4	2885.8	2866.2	2660.8	2051.5
65°	899.7	906.5	935.8	917.0	861.4	1050.9	1433.9	1506.8	1377.4	1159.3	716.9
67.5°	663.5	666.5	704.9	804.2	774.1	699.6	674.8	686.8	402.5	185.1	119.6
70°	391.9	394.2	429.6	562.7	628.2	537.1	455.9	449.1	159.5	49.7	54.2
72.5°	221.9	217.4	224.2	267.8	342.3	285.1	234.7	213.6	48.1	27.8	27.8
75°	105.3	102.3	88.0	82.8	75.2	48.1	30.1	25.6	12.0	11.3	11.3
77.5°	0.8	2.3	1.5	2.3	2.3	1.5	0.8	0.8	2.3	2.3	3.0
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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4	2692.4
2.5°	2675.1	2652.6	2647.3	2645.8	2624.7	2602.2	2578.8	2569.8	2556.3	2548.0	2554.8
5°	2624.7	2592.4	2563.8	2537.5	2490.8	2439.7	2395.3	2366.7	2339.6	2321.6	2326.1
7.5°	2553.3	2511.1	2445.7	2378.7	2293.0	2216.2	2130.5	2077.8	2028.9	2001.8	2014.6
10°	2477.3	2421.6	2317.0	2203.4	2068.8	1948.4	1825.8	1725.7	1667.8	1612.9	1618.9
12.5°	2402.8	2329.1	2172.6	2000.3	1830.3	1652.8	1467.7	1329.3	1234.5	1166.0	1155.5
15°	2333.6	2238.8	2031.9	1804.7	1573.0	1336.8	1100.6	902.7	792.9	725.2	720.7
17.5°	2271.9	2154.5	1886.0	1600.1	1309.7	1007.3	735.7	587.5	524.3	495.0	492.0
20°	2212.5	2069.5	1737.0	1392.5	1022.4	707.1	507.8	439.3	419.0	407.0	408.5
22.5°	2155.3	1977.0	1580.6	1162.3	766.6	496.5	393.4	367.1	364.9	366.4	367.1
25°	2107.2	1892.0	1419.6	940.4	546.9	378.4	328.7	321.2	328.0	337.8	339.3
27.5°	2082.3	1822.8	1262.3	716.9	395.7	307.7	285.1	288.1	300.2	310.7	312.2
30°	2089.1	1770.9	1099.8	519.8	304.7	259.5	252.0	258.0	270.1	279.9	281.4
32.5°	2137.2	1744.6	933.6	378.4	250.5	226.4	223.4	227.9	238.5	246.0	246.7
35°	2232.8	1750.6	775.6	289.6	215.2	201.6	200.9	203.9	209.1	214.4	215.2
37.5°	2373.5	1799.5	619.9	240.7	194.8	185.1	182.1	182.1	185.8	188.1	189.6
40°	2524.7	1873.2	496.5	212.9	180.5	170.0	164.0	161.7	164.8	167.8	168.5
42.5°	2649.6	1946.9	403.2	193.3	169.3	155.0	147.4	145.9	149.7	155.0	156.5
45°	2745.1	2004.1	336.3	177.5	156.5	140.7	132.4	132.4	139.2	148.2	149.7
47.5°	2832.4	2050.0	286.6	163.2	144.4	127.9	119.6	121.1	132.4	144.4	146.7
50°	2891.8	2086.8	249.8	150.5	134.7	117.4	109.8	112.8	126.4	140.7	142.9
52.5°	2955.7	2132.0	225.7	139.2	125.6	109.1	102.3	104.6	119.6	135.4	138.4
55°	3132.5	2283.2	224.9	124.1	109.8	97.8	94.8	95.5	110.6	128.6	132.4
57.5°	3277.0	2416.3	240.0	104.6	91.8	85.8	84.3	85.0	98.5	118.9	123.4
60°	2711.2	1877.7	198.6	86.5	76.7	75.2	73.0	74.5	87.3	105.3	109.1
62.5°	1604.6	1073.5	94.8	66.2	65.4	63.9	61.7	64.7	76.7	92.5	94.8
65°	548.4	318.2	60.2	54.2	55.7	53.4	51.2	54.2	64.7	73.7	74.5
67.5°	105.3	84.3	48.1	45.1	45.9	41.4	40.6	43.6	49.7	51.2	50.4
70°	54.9	48.9	36.9	36.9	35.4	29.3	29.3	32.3	32.3	30.1	29.3
72.5°	28.6	27.1	24.1	27.1	22.6	18.1	18.1	19.6	18.1	15.0	15.0
75°	11.3	11.3	10.5	13.5	9.8	8.3	7.5	9.0	6.8	5.3	5.3
77.5°	3.0	3.0	3.0	3.8	2.3	2.3	1.5	1.5	0.8	0.0	0.0
80°	0.0	0.8	0.0	0.8	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)