

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: P633578

Luminaire Tested: GWS-SA2F-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633578
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-SA2F-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6989.2 lumens
Efficiency: N/A
Efficacy: 56.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

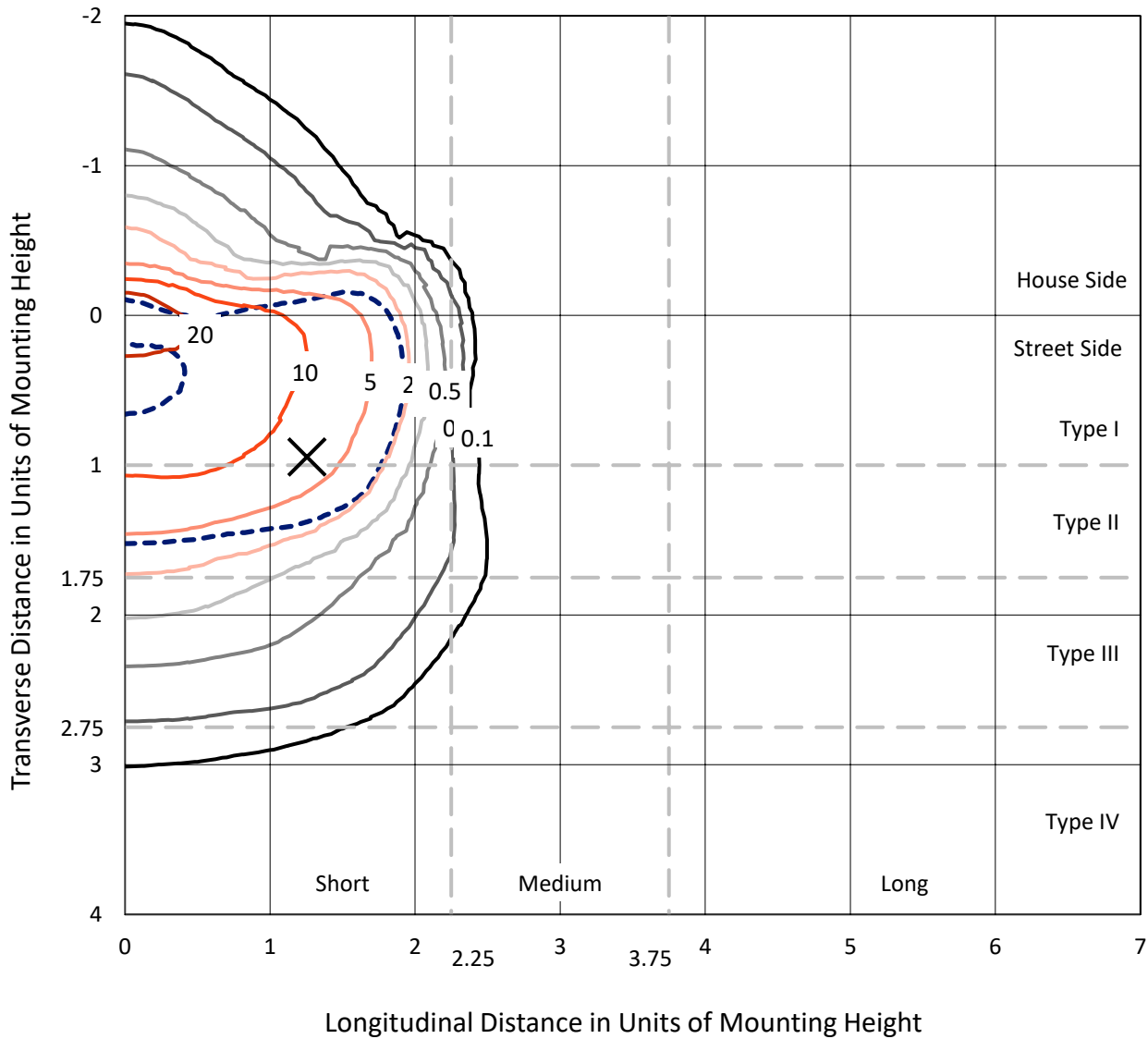
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

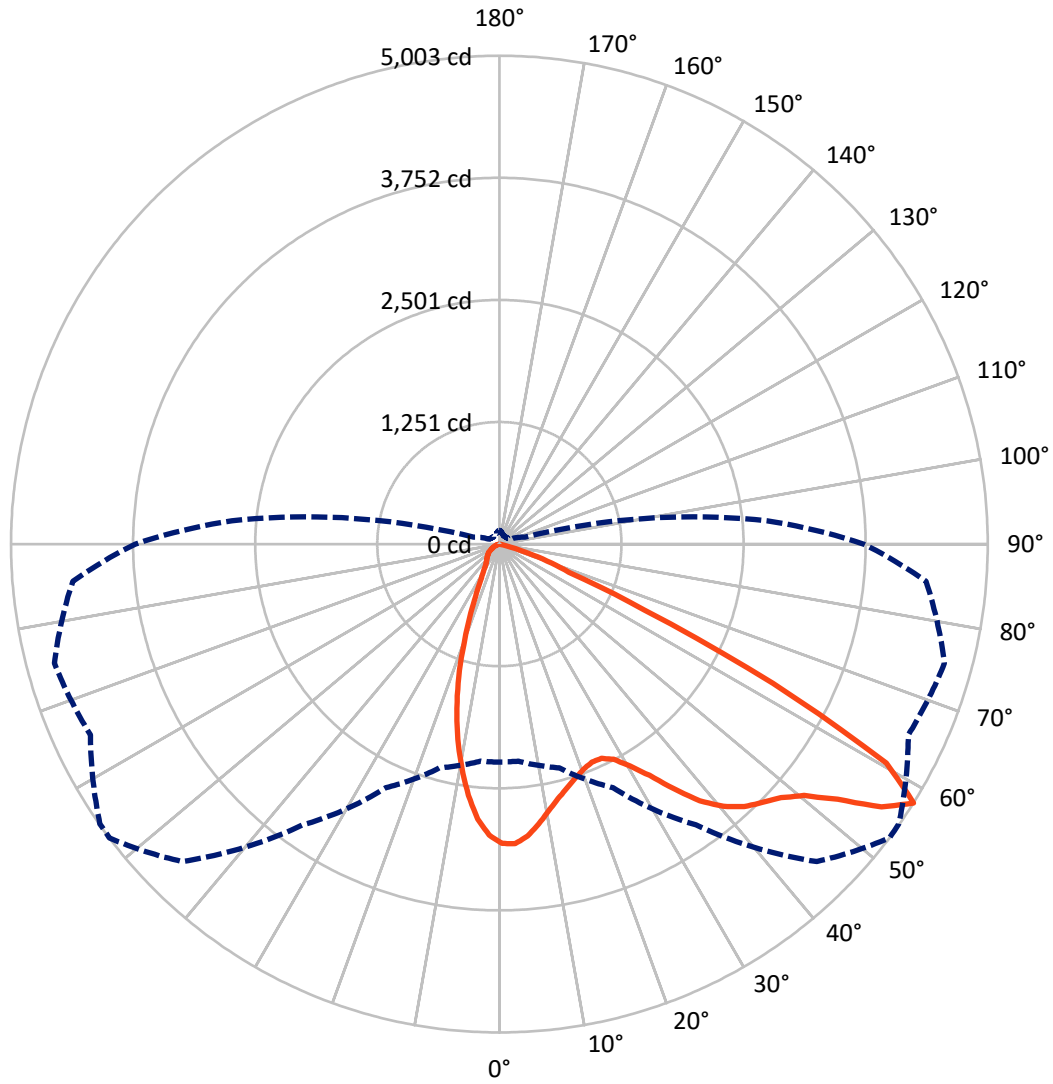
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 30.7 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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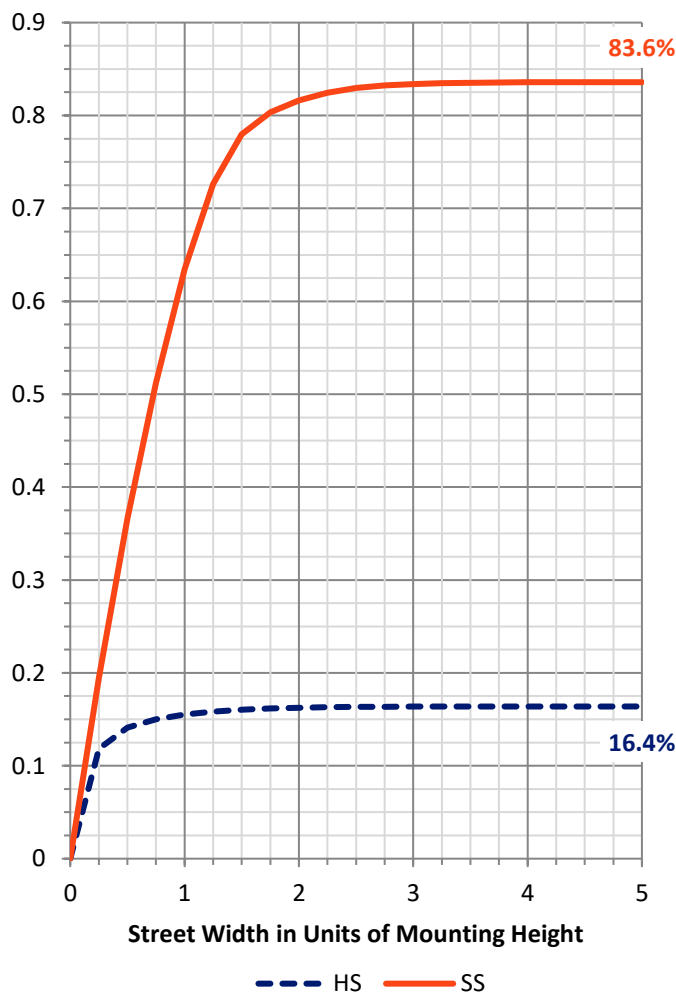
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1154.5	0.0	1154.5
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	5834.7	0.0	5834.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	6989.2	0.0	6989.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	3.8
10°-20°	575.9	8.2
20°-30°	750.2	10.7
30°-40°	1088.2	15.6
40°-50°	1570.2	22.5
50°-60°	1899.0	27.2
60°-70°	773.9	11.1
70°-80°	69.5	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°	6989.2	100.0
0°-180°	6989.2	100.0

Coefficient of Utilization



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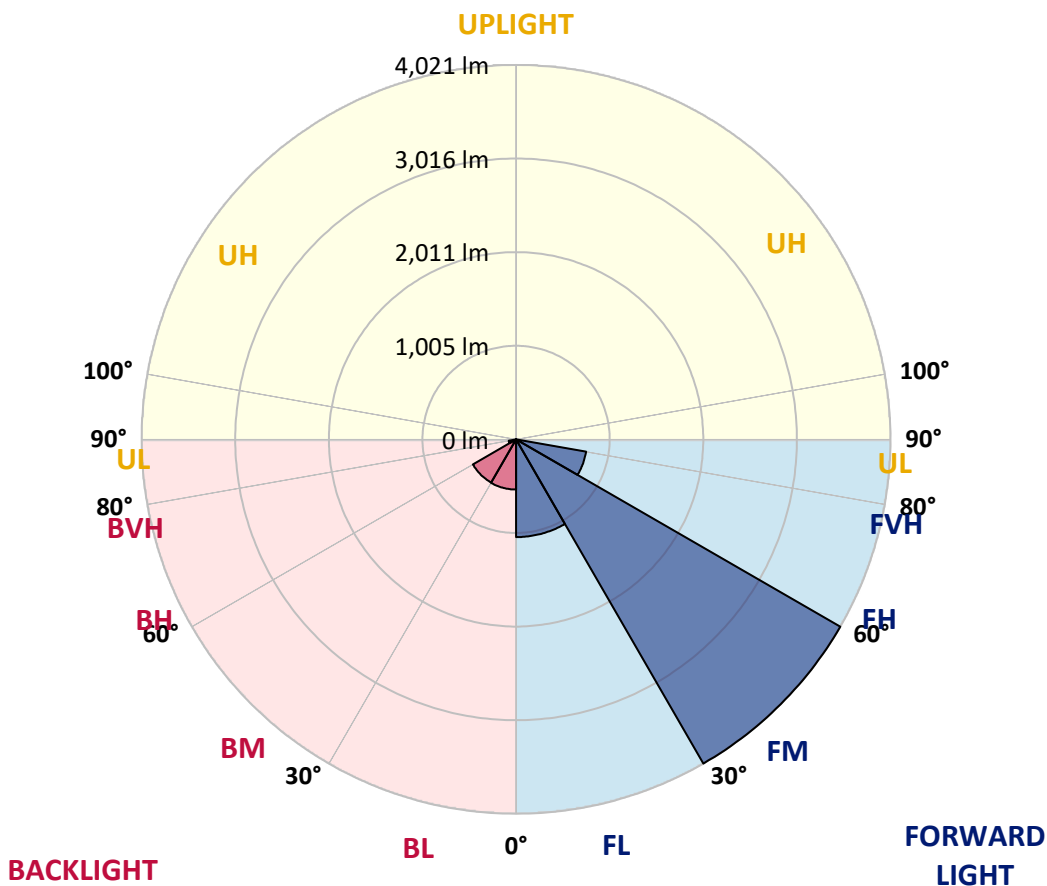
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1049.5	15.0			
FM (30°-60°)	4021.5	57.5			
FH (60°-80°)	763.7	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	538.8	7.7	B2/1000		
BM (30°-60°)	535.9	7.7	B1/1000		
BH (60°-80°)	79.8	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: 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°	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9
2.5°	3023.0	3029.9	3041.9	3057.3	3067.6	3072.7	3072.7	3087.3	3077.9	3070.1	3061.6
5°	2893.7	2900.5	2916.8	2941.7	2966.5	2984.5	3005.0	3020.5	3026.5	3026.5	3011.9
7.5°	2711.2	2720.6	2730.9	2765.2	2819.2	2859.4	2894.5	2916.8	2949.4	2959.6	2939.1
10°	2515.1	2524.5	2547.6	2594.7	2656.4	2716.4	2776.3	2804.6	2860.3	2889.4	2866.3
12.5°	2348.9	2353.1	2384.0	2440.5	2519.3	2601.6	2674.4	2703.5	2782.3	2826.0	2798.6
15°	2211.8	2214.4	2245.2	2307.7	2398.6	2499.6	2591.3	2621.3	2718.1	2784.0	2742.9
17.5°	2108.2	2109.0	2135.6	2203.2	2298.3	2410.5	2519.3	2556.2	2681.2	2760.9	2699.2
20°	2055.9	2053.3	2072.2	2131.3	2221.2	2333.4	2461.9	2507.3	2660.7	2757.5	2665.8
22.5°	2056.8	2050.8	2058.5	2100.4	2176.7	2282.0	2426.0	2477.4	2662.4	2772.0	2637.5
25°	2105.6	2097.0	2098.7	2121.0	2175.0	2270.9	2431.1	2485.9	2696.7	2820.9	2627.3
27.5°	2187.8	2178.4	2178.4	2189.5	2218.7	2306.0	2495.3	2557.9	2788.3	2916.0	2648.7
30°	2294.0	2284.6	2281.2	2292.3	2316.3	2396.8	2638.4	2703.5	2945.1	3071.9	2717.2
32.5°	2415.7	2404.5	2410.5	2426.0	2449.1	2560.5	2822.6	2909.1	3141.2	3281.7	2840.6
35°	2544.2	2534.8	2562.2	2595.6	2631.6	2787.5	3077.0	3152.4	3382.0	3543.0	3029.0
37.5°	2666.7	2662.4	2719.8	2790.0	2864.6	3059.9	3335.7	3393.9	3588.4	3827.4	3259.5
40°	2789.2	2788.3	2886.8	3010.2	3129.3	3331.4	3531.9	3579.8	3714.3	4048.4	3480.5
42.5°	2926.2	2926.2	3062.4	3226.9	3385.4	3561.0	3675.8	3697.2	3770.9	4176.0	3646.7
45°	3057.3	3065.0	3222.6	3413.7	3601.3	3740.0	3775.1	3776.9	3794.0	4251.4	3784.6
47.5°	3160.9	3167.8	3356.3	3576.4	3778.6	3876.2	3881.4	3873.7	3854.8	4323.4	3890.8
50°	3244.9	3255.2	3452.2	3685.2	3900.2	4007.3	4046.7	4039.0	3991.0	4400.5	3965.3
52.5°	3286.0	3300.6	3485.6	3739.2	4035.6	4231.7	4341.4	4359.4	4194.9	4443.3	4036.4
55°	2957.1	2978.5	3149.0	3495.9	4110.9	4578.7	4750.8	4747.4	4415.9	4571.0	4209.5
57.5°	2233.2	2231.5	2372.9	2752.3	3511.3	4598.4	5002.7	4995.8	4622.3	4719.1	4386.8
60°	1520.5	1510.2	1547.9	1731.2	2455.1	3746.0	4553.0	4645.5	4475.9	4359.4	3724.6
62.5°	1251.5	1242.1	1230.1	1179.6	1410.0	2333.4	3145.5	3286.0	3263.7	3029.9	2336.0
65°	1024.5	1032.2	1065.6	1044.2	980.8	1196.7	1632.7	1715.8	1568.5	1320.1	816.4
67.5°	755.5	759.0	802.7	915.7	881.5	796.7	768.4	782.1	458.3	210.7	136.2
70°	446.3	448.9	489.1	640.8	715.3	611.6	519.1	511.4	181.6	56.5	61.7
72.5°	252.7	247.6	255.3	305.0	389.8	324.7	267.3	243.3	54.8	31.7	31.7
75°	119.9	116.5	100.2	94.2	85.7	54.8	34.3	29.1	13.7	12.8	12.8
77.5°	0.9	2.6	1.7	2.6	2.6	1.7	0.9	0.9	2.6	2.6	3.4
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°	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9	3065.9
2.5°	3046.2	3020.5	3014.5	3012.8	2988.8	2963.1	2936.5	2926.2	2910.8	2901.4	2909.1
5°	2988.8	2951.9	2919.4	2889.4	2836.3	2778.0	2727.5	2694.9	2664.1	2643.5	2648.7
7.5°	2907.4	2859.4	2784.9	2708.6	2611.0	2523.6	2426.0	2366.0	2310.3	2279.5	2294.0
10°	2820.9	2757.5	2638.4	2509.1	2355.7	2218.7	2079.0	1965.1	1899.1	1836.6	1843.5
12.5°	2736.1	2652.1	2473.9	2277.8	2084.2	1882.0	1671.3	1513.7	1405.7	1327.8	1315.8
15°	2657.3	2549.3	2313.7	2055.0	1791.2	1522.2	1253.2	1028.0	902.9	825.8	820.6
17.5°	2587.0	2453.4	2147.6	1822.0	1491.4	1147.0	837.8	669.0	597.1	563.7	560.2
20°	2519.3	2356.6	1977.9	1585.6	1164.2	805.2	578.2	500.3	477.1	463.4	465.1
22.5°	2454.2	2251.2	1799.8	1323.5	872.9	565.4	448.0	418.0	415.5	417.2	418.0
25°	2399.4	2154.4	1616.5	1070.8	622.8	430.9	374.3	365.8	373.5	384.6	386.3
27.5°	2371.1	2075.6	1437.4	816.4	450.6	350.4	324.7	328.1	341.8	353.8	355.5
30°	2378.8	2016.5	1252.4	591.9	346.9	295.5	287.0	293.8	307.5	318.7	320.4
32.5°	2433.7	1986.5	1063.1	430.9	285.3	257.8	254.4	259.6	271.6	280.1	281.0
35°	2542.5	1993.4	883.2	329.8	245.0	229.6	228.7	232.1	238.1	244.1	245.0
37.5°	2702.7	2049.0	705.9	274.1	221.9	210.7	207.3	207.3	211.6	214.2	215.9
40°	2874.8	2133.0	565.4	242.4	205.6	193.6	186.7	184.2	187.6	191.0	191.9
42.5°	3017.0	2216.9	459.2	220.2	192.7	176.5	167.9	166.2	170.5	176.5	178.2
45°	3125.8	2282.0	382.9	202.2	178.2	160.2	150.8	150.8	158.5	168.8	170.5
47.5°	3225.2	2334.3	326.4	185.9	164.5	145.6	136.2	137.9	150.8	164.5	167.0
50°	3292.9	2376.3	284.4	171.3	153.3	133.6	125.1	128.5	143.9	160.2	162.8
52.5°	3365.7	2427.7	257.0	158.5	143.1	124.2	116.5	119.1	136.2	154.2	157.6
55°	3567.0	2599.9	256.1	141.3	125.1	111.4	107.9	108.8	125.9	146.5	150.8
57.5°	3731.5	2751.5	273.3	119.1	104.5	97.7	95.9	96.8	112.2	135.3	140.5
60°	3087.3	2138.1	226.1	98.5	87.4	85.7	83.1	84.8	99.4	119.9	124.2
62.5°	1827.2	1222.4	107.9	75.4	74.5	72.8	70.2	73.7	87.4	105.4	107.9
65°	624.5	362.4	68.5	61.7	63.4	60.8	58.3	61.7	73.7	83.9	84.8
67.5°	119.9	95.9	54.8	51.4	52.3	47.1	46.3	49.7	56.5	58.3	57.4
70°	62.5	55.7	42.0	42.0	40.3	33.4	33.4	36.8	36.8	34.3	33.4
72.5°	32.6	30.8	27.4	30.8	25.7	20.6	20.6	22.3	20.6	17.1	17.1
75°	12.8	12.8	12.0	15.4	11.1	9.4	8.6	10.3	7.7	6.0	6.0
77.5°	3.4	3.4	3.4	4.3	2.6	2.6	1.7	1.7	0.9	0.0	0.0
80°	0.0	0.9	0.0	0.9	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)