

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: P632701

Luminaire Tested: GWS-SA2D-730-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10417.9 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

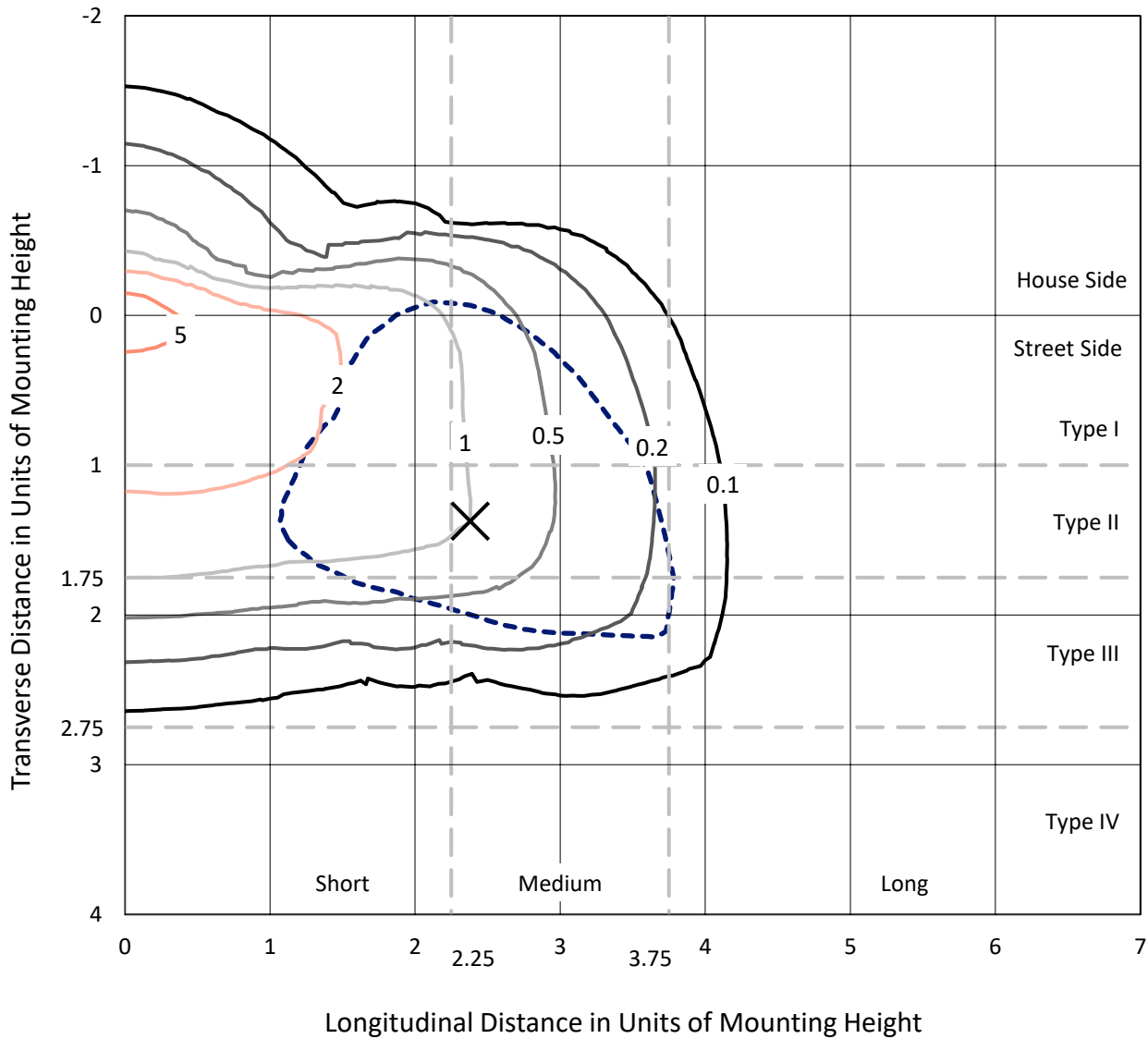
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

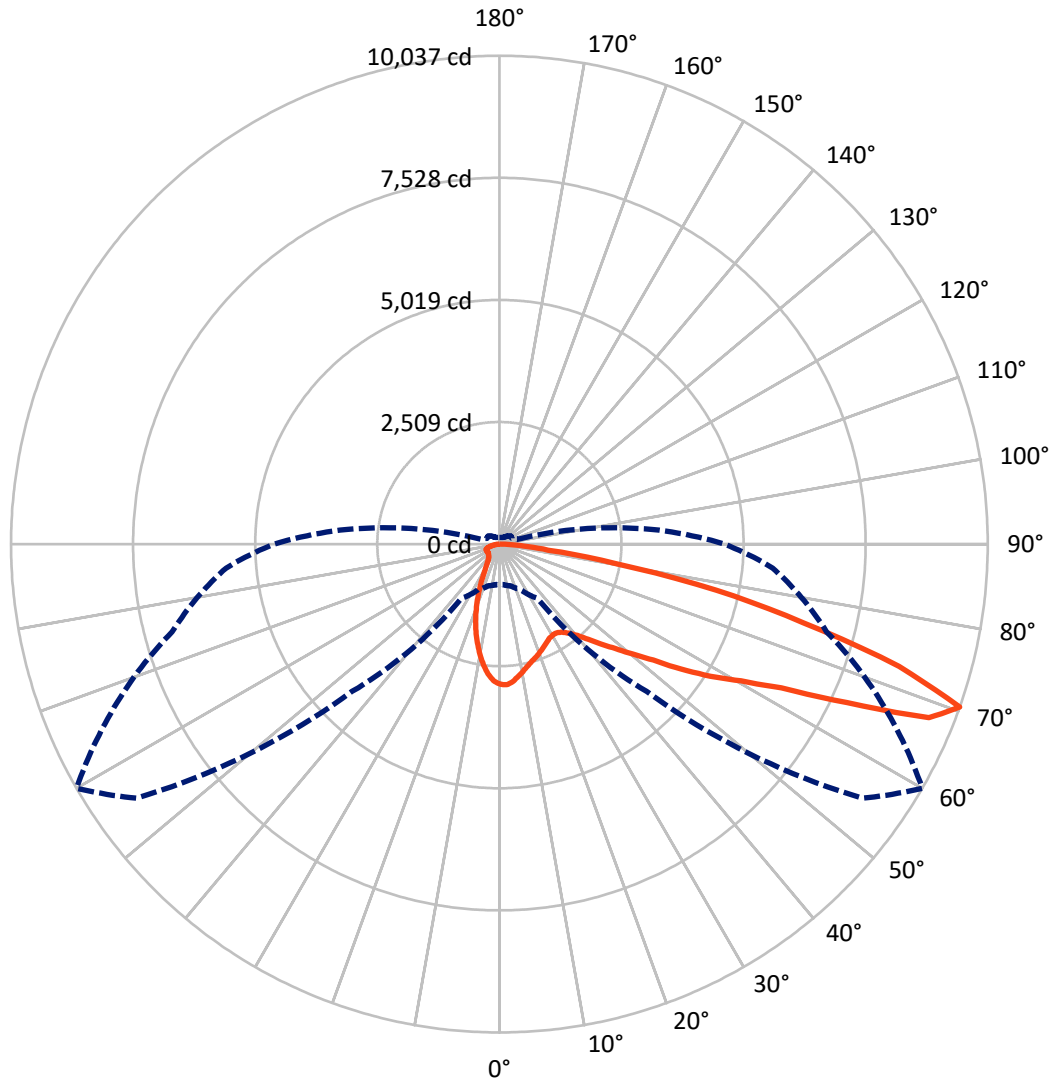
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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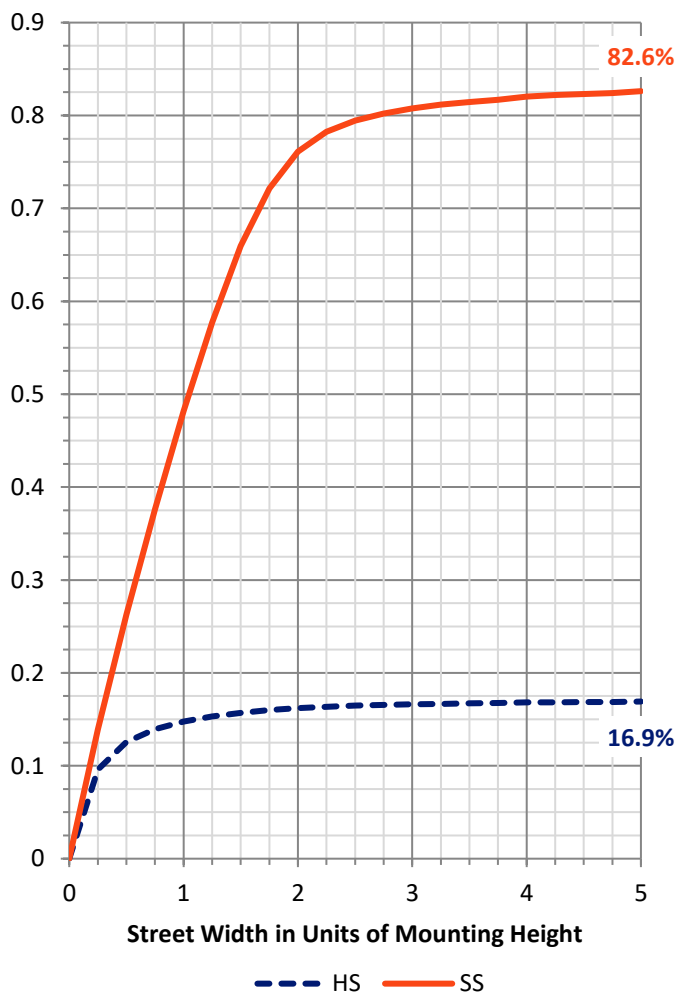
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1781.7	0.0	1781.7
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	8636.2	0.0	8636.2
	% Fixture	82.9	0.0	82.9
Total	Lumens	10417.9	0.0	10417.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.5	2.4
10°-20°	556.7	5.3
20°-30°	712.9	6.8
30°-40°	937.0	9.0
40°-50°	1359.4	13.0
50°-60°	2120.9	20.4
60°-70°	2776.7	26.7
70°-80°	1535.4	14.7
80°-90°	170.4	1.6
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°	10417.9	100.0
0°-180°	10417.9	100.0

Coefficient of Utilization



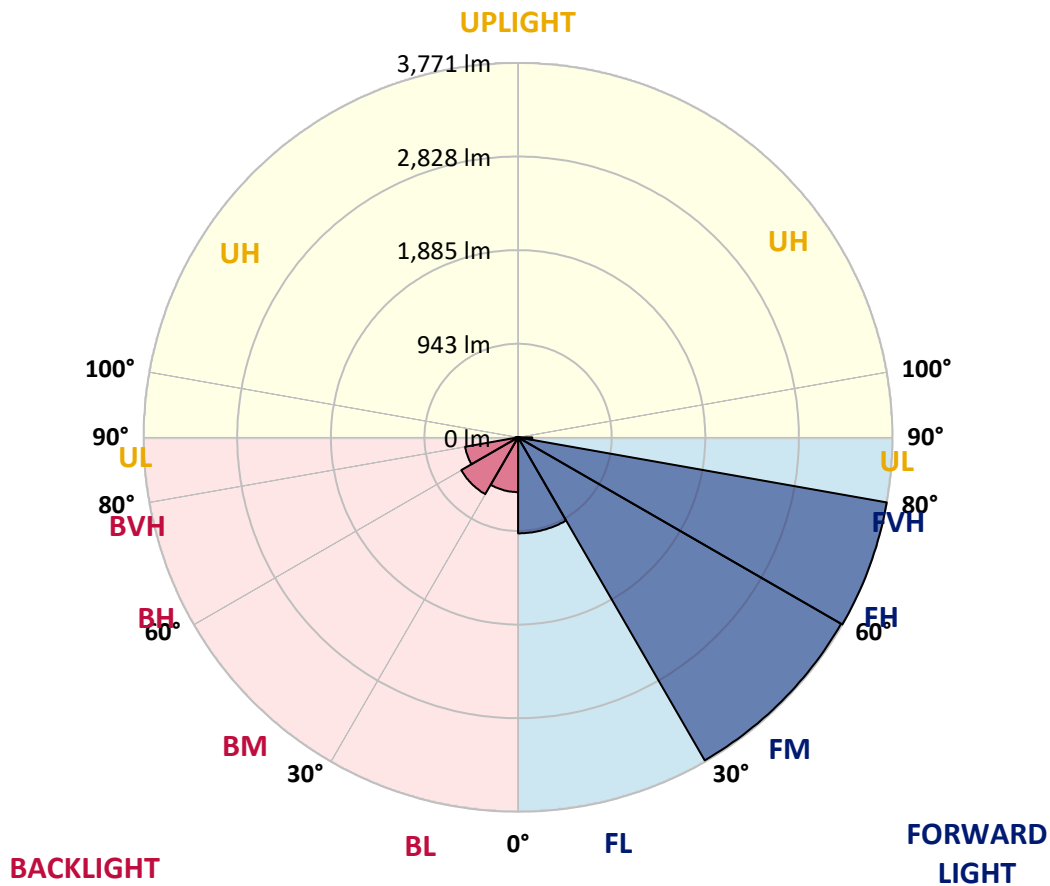
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	966.8	9.3			
FM (30°-60°)	3756.7	36.1			
FH (60°-80°)	3770.7	36.2			G2/5000
FVH (80°-90°)	142.0	1.4			G2/225
BL (0°-30°)	551.2	5.3	B2/1000		
BM (30°-60°)	660.6	6.3	B1/1000		
BH (60°-80°)	541.4	5.2	B2/1000		G2/1000
BVH (80°-90°)	28.4	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8
2.5°	2842.4	2845.4	2853.8	2866.0	2878.2	2884.3	2899.5	2895.0	2891.9	2885.8	2878.2
5°	2716.6	2722.7	2730.3	2754.0	2780.6	2802.0	2836.3	2840.1	2841.6	2844.7	2832.5
7.5°	2556.5	2558.1	2576.3	2607.6	2642.7	2679.3	2736.4	2752.4	2766.1	2781.4	2771.5
10°	2379.7	2383.5	2397.2	2442.2	2502.4	2556.5	2633.5	2660.2	2689.2	2722.7	2709.0
12.5°	2234.9	2235.6	2257.7	2305.8	2371.3	2444.5	2540.5	2572.5	2610.7	2663.2	2651.0
15°	2119.8	2119.8	2140.4	2181.5	2257.0	2343.1	2457.4	2498.6	2550.4	2621.3	2600.0
17.5°	2028.3	2029.1	2042.0	2085.5	2152.5	2247.8	2383.5	2439.1	2496.3	2590.1	2558.1
20°	1980.3	1976.5	1978.8	2005.4	2062.6	2154.8	2309.6	2374.4	2451.3	2568.7	2519.9
22.5°	1978.0	1971.1	1961.2	1963.5	1997.1	2073.3	2230.3	2308.8	2405.6	2551.2	2481.1
25°	2016.9	2009.2	1991.7	1971.9	1968.8	2014.6	2155.6	2244.8	2358.4	2543.6	2443.7
27.5°	2082.4	2077.1	2054.2	2024.5	1993.2	1991.7	2099.2	2192.2	2324.1	2551.2	2417.0
30°	2169.3	2160.2	2145.7	2107.6	2060.3	2011.5	2077.1	2164.0	2301.2	2575.6	2405.6
32.5°	2267.6	2262.3	2248.6	2210.5	2160.2	2082.4	2094.6	2170.1	2301.2	2618.3	2407.9
35°	2372.1	2371.3	2371.3	2346.2	2290.5	2193.7	2164.0	2221.9	2336.2	2686.9	2432.3
37.5°	2473.4	2472.7	2497.1	2506.2	2443.0	2338.5	2282.1	2325.6	2413.2	2788.3	2492.5
40°	2555.8	2558.8	2612.2	2657.9	2622.8	2526.0	2446.8	2468.9	2538.2	2932.3	2597.7
42.5°	2638.9	2647.2	2727.3	2808.1	2821.8	2737.9	2657.9	2670.9	2717.4	3122.9	2754.7
45°	2729.6	2733.4	2845.4	2958.2	3024.5	2975.0	2909.4	2927.0	2937.6	3358.4	2988.7
47.5°	2817.2	2827.1	2971.9	3126.7	3252.5	3247.9	3211.3	3206.0	3208.2	3645.0	3265.4
50°	2936.9	2951.4	3121.3	3308.1	3492.6	3577.2	3587.8	3547.4	3530.7	3963.6	3609.9
52.5°	3164.0	3164.0	3316.5	3500.2	3747.9	3957.5	4029.2	3962.9	3909.5	4300.5	3975.8
55°	3448.3	3460.5	3581.7	3730.4	4044.4	4357.7	4600.1	4526.9	4376.0	4667.2	4359.2
57.5°	3574.9	3590.1	3782.2	4013.2	4432.4	4812.7	5148.9	5123.0	4902.7	5048.3	4757.1
60°	3346.2	3378.2	3642.7	4029.9	4783.8	5546.8	5783.8	5708.4	5393.6	5448.4	5188.5
62.5°	2791.3	2826.4	3119.8	3660.2	4735.0	6340.3	6784.6	6506.4	6006.4	5953.8	5763.2
65°	1665.5	1664.0	2016.9	2733.4	4133.6	6560.5	8368.6	7849.5	6953.1	6647.4	6354.7
67.5°	1058.7	1056.5	1130.4	1448.2	2750.9	6020.9	9386.9	9521.8	8239.0	7157.4	6403.5
70°	835.4	834.6	888.0	1032.8	1360.6	4284.5	9103.4	10037.1	9015.7	6963.0	5638.2
72.5°	609.0	610.5	692.9	865.1	1049.6	2151.0	7371.6	8588.1	8292.3	6146.7	4577.2
75°	437.5	439.8	489.4	662.4	968.0	1176.1	4901.9	6457.6	6309.0	4927.1	3148.8
77.5°	278.2	281.3	324.7	464.2	782.1	949.7	2971.9	4558.9	4197.6	2776.1	1119.7
80°	170.0	179.9	216.5	346.1	625.0	712.7	1485.6	2401.8	2102.2	761.5	376.5
82.5°	87.7	95.3	130.3	214.2	430.7	625.8	840.7	1009.2	650.9	318.6	200.5
85°	27.4	32.0	45.7	86.9	205.0	388.0	556.4	501.5	298.8	150.2	93.0
87.5°	6.9	6.9	7.6	7.6	8.4	17.5	107.5	113.6	79.3	47.3	38.1
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°	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8	2882.8
2.5°	2862.9	2844.7	2837.0	2836.3	2817.2	2789.8	2771.5	2758.5	2750.9	2749.4	2749.4
5°	2811.9	2788.3	2757.0	2733.4	2682.3	2630.5	2587.0	2562.6	2534.4	2530.6	2529.9
7.5°	2744.0	2709.7	2650.3	2584.0	2494.8	2408.7	2335.5	2285.9	2236.4	2227.2	2224.2
10°	2670.9	2624.4	2523.0	2406.4	2273.0	2144.2	2032.1	1944.5	1886.5	1845.4	1837.7
12.5°	2598.5	2536.7	2388.1	2214.3	2031.4	1855.3	1686.8	1543.5	1439.9	1379.6	1369.0
15°	2530.6	2444.5	2241.0	2019.2	1781.3	1540.5	1301.9	1115.9	970.3	918.5	906.3
17.5°	2468.9	2361.4	2098.4	1817.2	1520.7	1205.9	934.5	769.1	683.7	657.8	651.7
20°	2407.1	2276.0	1953.6	1604.5	1244.0	891.1	683.0	605.2	573.2	563.3	560.2
22.5°	2340.8	2182.3	1795.8	1394.9	964.2	667.0	558.7	524.4	514.5	515.3	514.5
25°	2274.5	2087.0	1630.4	1167.0	718.0	541.2	487.8	474.9	477.2	484.0	485.5
27.5°	2219.6	2002.4	1468.1	917.0	561.0	465.7	440.6	439.8	448.2	457.3	458.9
30°	2180.0	1926.9	1308.0	705.1	461.9	413.9	404.0	408.6	418.5	425.3	427.6
32.5°	2151.8	1862.1	1137.3	554.1	404.7	377.3	372.7	377.3	383.4	390.3	391.8
35°	2141.9	1814.9	969.6	452.0	365.9	350.6	347.6	349.9	352.9	356.7	358.2
37.5°	2164.0	1791.2	794.2	393.3	342.2	333.1	328.5	327.0	327.8	329.3	330.0
40°	2229.5	1801.9	650.9	359.0	327.0	318.6	311.0	307.9	307.2	308.7	307.9
42.5°	2342.3	1846.9	547.3	339.2	314.8	302.6	294.2	291.2	291.2	295.0	295.0
45°	2507.7	1935.3	472.6	324.7	304.1	288.9	279.7	278.2	281.3	287.4	288.1
47.5°	2750.1	2064.9	427.6	314.0	294.2	276.7	267.5	266.8	272.9	282.8	283.6
50°	3037.5	2251.6	403.2	306.4	287.4	266.8	257.6	258.4	265.3	275.9	278.2
52.5°	3383.6	2506.2	404.7	303.4	283.6	260.7	251.5	250.0	256.9	267.5	269.8
55°	3741.0	2815.7	434.5	304.1	278.2	257.6	245.4	240.1	246.2	253.8	254.6
57.5°	4134.4	3164.8	508.4	302.6	271.4	254.6	240.1	227.9	231.7	236.3	238.6
60°	4578.0	3575.6	667.7	305.7	268.3	247.7	229.4	213.4	212.7	215.7	216.5
62.5°	5171.0	4134.4	846.8	311.0	275.2	239.3	213.4	196.7	193.6	195.1	195.9
65°	5624.5	4401.1	790.4	306.4	289.6	233.2	198.2	180.6	174.6	173.0	173.0
67.5°	5440.1	4048.2	550.3	294.2	296.5	234.0	186.0	163.9	156.3	152.4	151.7
70°	4629.0	3288.3	382.6	282.0	288.9	232.5	173.0	150.2	140.3	134.9	134.2
72.5°	3657.2	2510.8	309.5	257.6	262.2	209.6	154.0	134.9	126.5	119.7	119.7
75°	2353.8	1532.1	258.4	229.4	214.2	163.1	133.4	120.4	112.0	105.2	105.2
77.5°	792.0	568.6	200.5	194.4	160.1	122.7	112.0	103.7	96.8	90.7	89.9
80°	321.7	269.8	147.1	147.1	112.0	93.8	87.7	83.8	79.3	71.6	71.6
82.5°	186.7	163.9	102.9	89.2	74.7	64.8	61.0	57.2	57.2	51.8	51.8
85°	89.9	90.7	61.7	54.9	42.7	37.3	35.8	33.5	32.8	29.7	29.0
87.5°	48.8	49.5	31.3	24.4	16.8	14.5	12.2	11.4	10.7	9.9	9.9
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)