

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: P632412

Luminaire Tested: GWS-SA2C-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632412
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-760-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7032.6 lumens
Efficiency: N/A
Efficacy: 111.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

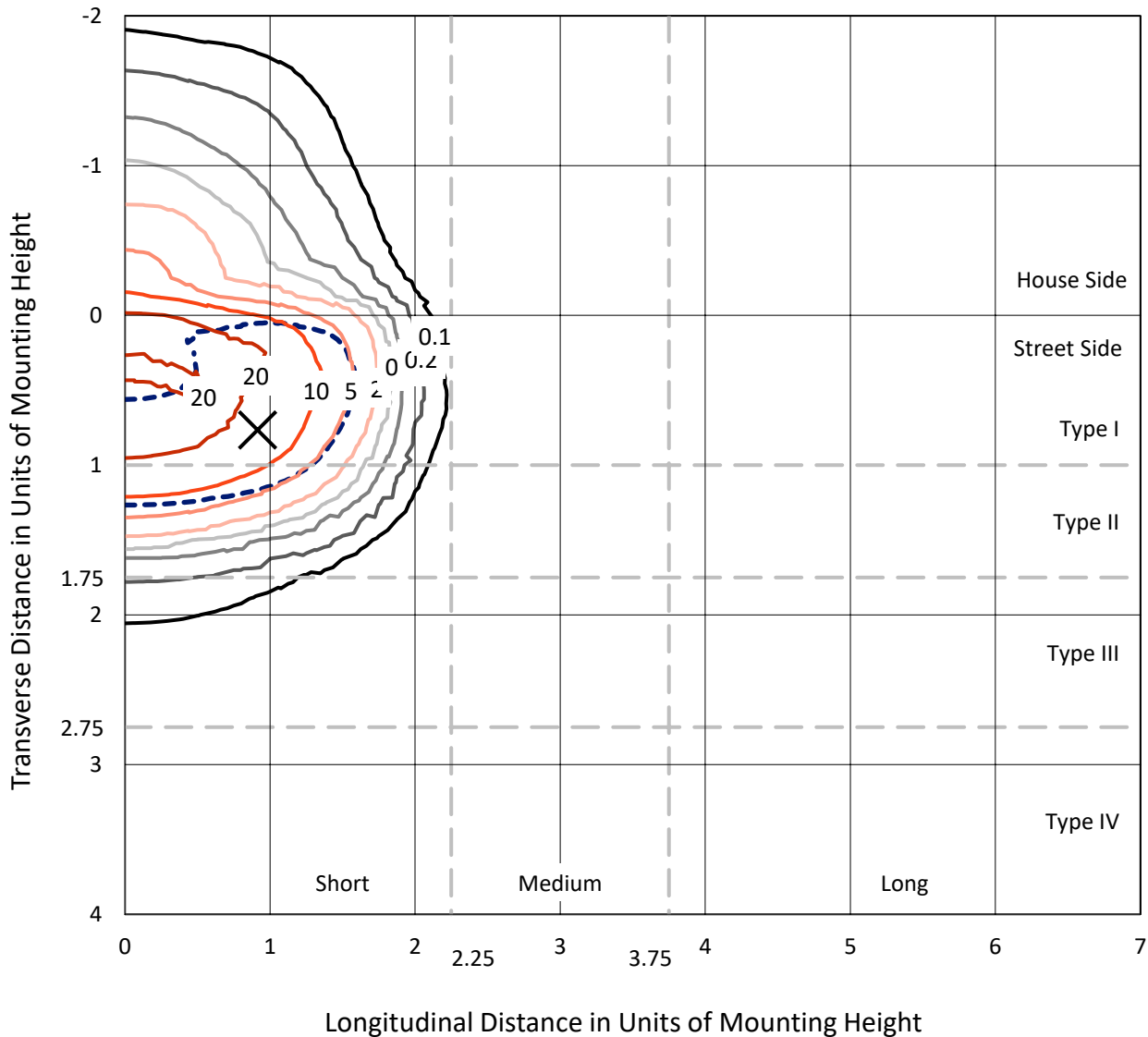
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

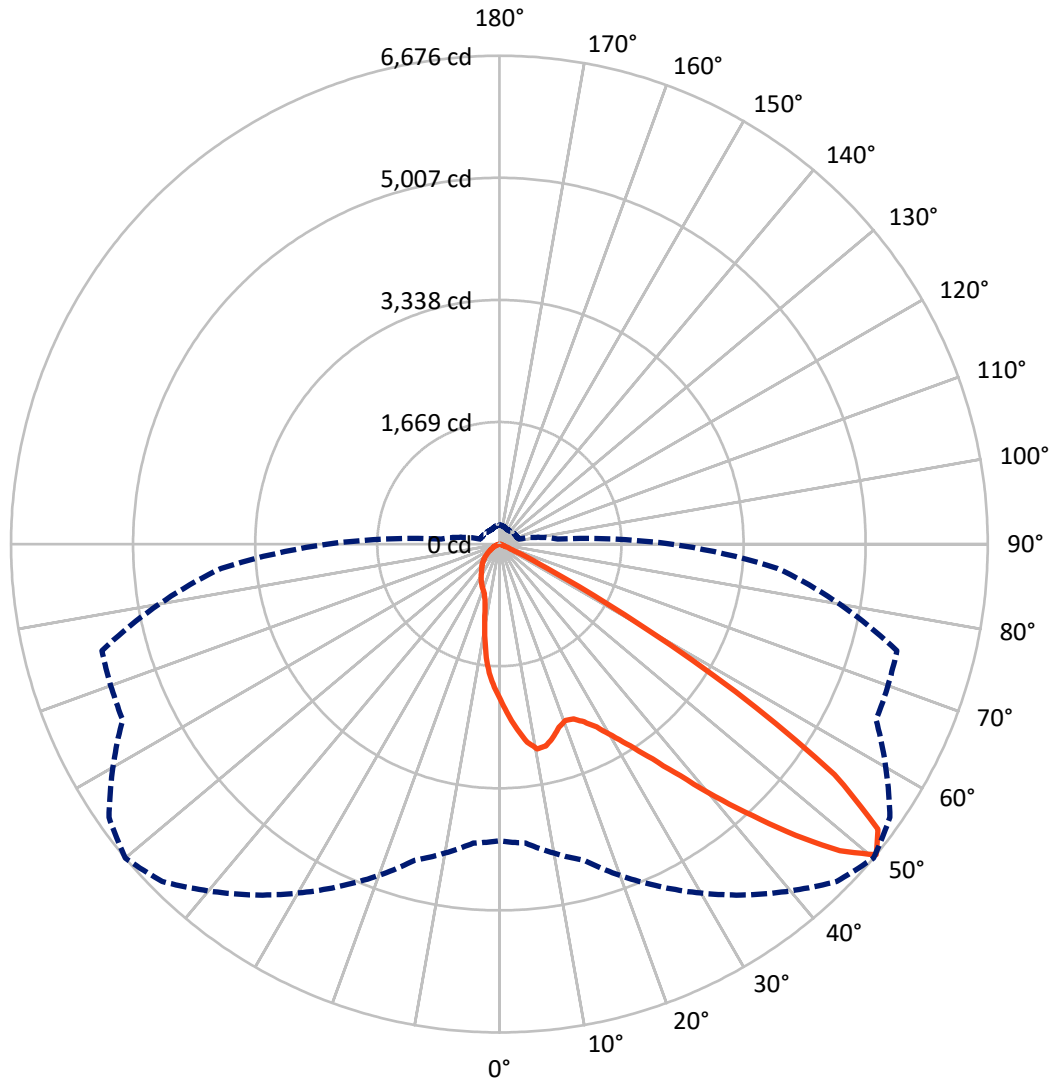
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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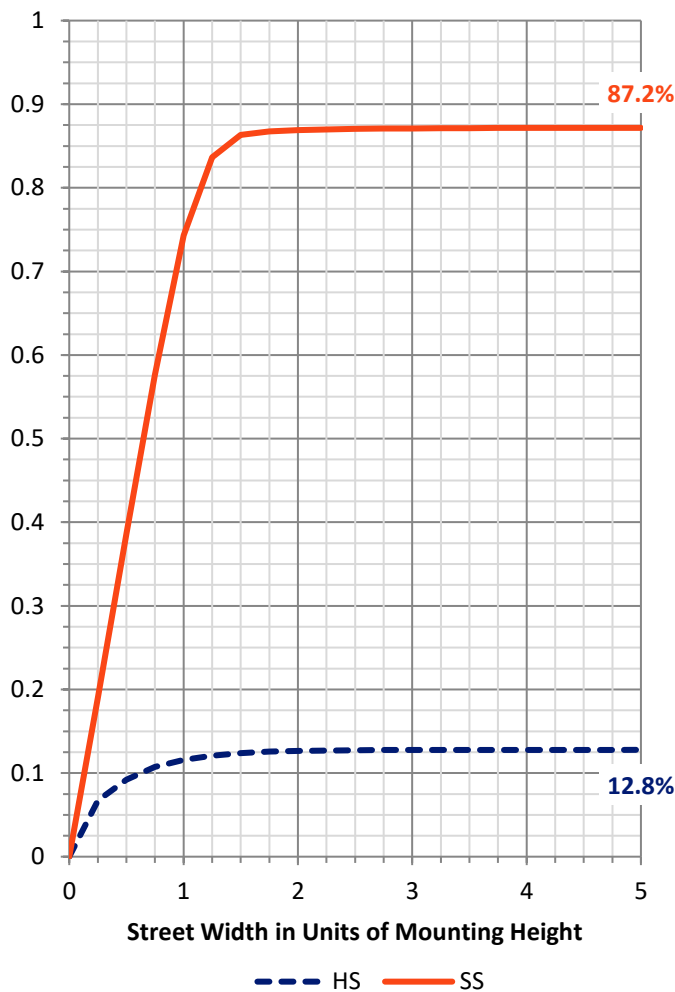
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	903.6	0.0	903.6
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	6129.0	0.0	6129.0
	% Fixture	87.2	0.0	87.2
Total	Lumens	7032.6	0.0	7032.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.6	2.8
10°-20°	509.9	7.3
20°-30°	841.6	12.0
30°-40°	1388.8	19.7
40°-50°	2197.4	31.2
50°-60°	1663.7	23.7
60°-70°	208.2	3.0
70°-80°	23.6	0.3
80°-90°	1.8	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°	7032.6	100.0
0°-180°	7032.6	100.0

Coefficient of Utilization



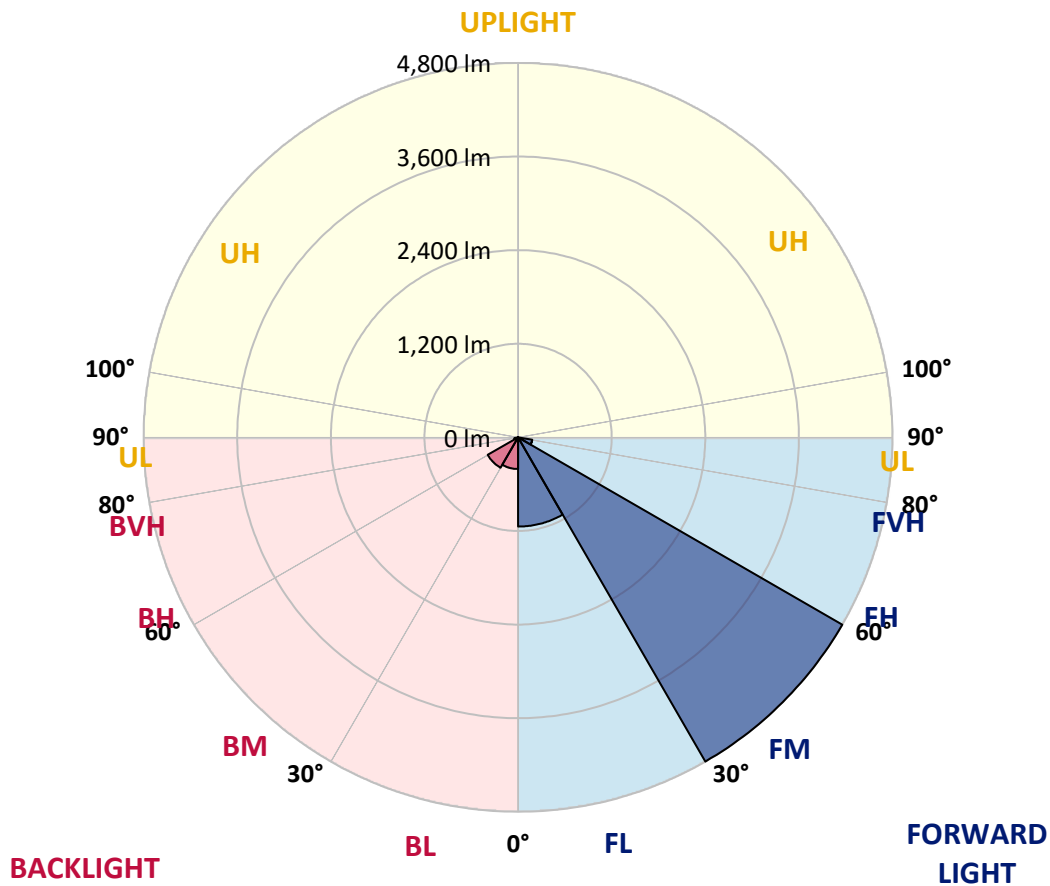
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1143.6	16.3			
FM (30°-60°)	4800.5	68.3			
FH (60°-80°)	184.1	2.6			G0/660
FVH (80°-90°)	0.8	0.0			G0/10
BL (0°-30°)	405.6	5.8	B1/500		
BM (30°-60°)	449.4	6.4	B1/1000		
BH (60°-80°)	47.7	0.7	B0/110		G0/110
BVH (80°-90°)	1.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6
2.5°	2427.8	2447.2	2441.9	2416.4	2389.0	2369.6	2339.4	2330.1	2261.8	2214.3	2164.1
5°	2721.0	2727.0	2720.3	2689.5	2641.3	2595.1	2545.6	2516.8	2402.4	2299.3	2194.2
7.5°	2791.3	2783.9	2796.6	2812.0	2805.3	2785.2	2733.0	2701.6	2565.0	2397.0	2237.7
10°	2571.7	2555.0	2602.5	2682.2	2765.8	2860.2	2846.8	2849.5	2723.7	2520.2	2294.6
12.5°	2280.5	2273.8	2309.3	2401.7	2565.7	2779.9	2831.4	2917.8	2868.9	2653.4	2359.5
15°	2152.7	2156.0	2177.5	2235.7	2353.5	2619.9	2743.7	2899.7	2998.8	2782.6	2431.1
17.5°	2172.1	2184.1	2183.5	2202.9	2274.5	2488.0	2632.6	2842.8	3099.2	2931.2	2513.5
20°	2304.0	2316.0	2297.9	2283.2	2307.3	2454.6	2574.4	2785.2	3166.8	3081.1	2600.5
22.5°	2501.4	2515.5	2472.6	2430.5	2415.1	2509.5	2596.5	2761.8	3218.3	3218.3	2678.1
25°	2740.4	2759.8	2693.5	2618.6	2575.7	2625.3	2690.9	2814.7	3271.2	3341.5	2731.0
27.5°	3007.5	3008.1	2951.2	2866.9	2786.6	2792.6	2832.1	2933.8	3329.4	3474.0	2772.5
30°	3308.0	3310.0	3234.4	3133.3	3032.2	3004.8	3038.3	3115.2	3450.6	3640.7	2830.1
32.5°	3696.2	3705.6	3597.2	3448.6	3317.4	3265.8	3285.3	3366.3	3643.4	3849.5	2916.4
35°	4221.0	4231.1	4071.1	3875.0	3666.1	3588.5	3607.9	3689.6	3922.5	4146.1	3054.3
37.5°	4739.1	4752.5	4590.5	4407.8	4121.3	3992.8	4012.9	4090.5	4341.5	4555.7	3275.2
40°	5097.2	5115.3	5065.1	4941.9	4676.2	4507.5	4531.6	4559.7	4802.7	5045.7	3561.7
42.5°	5286.0	5311.4	5332.9	5395.8	5255.9	5114.6	5073.8	5075.8	5271.9	5545.0	3859.6
45°	5297.4	5322.1	5431.9	5674.9	5781.3	5751.9	5677.6	5627.4	5630.1	5877.7	4045.7
47.5°	4929.2	4975.4	5180.9	5656.8	6057.1	6301.4	6263.9	6144.8	5780.7	5899.8	4025.6
50°	4057.0	4102.6	4476.1	5160.8	5856.3	6521.0	6675.6	6515.6	5682.3	5624.7	3818.7
52.5°	2946.6	2951.2	3193.6	3993.4	5042.3	6116.0	6480.2	6464.8	5532.3	5291.4	3536.3
55°	1399.6	1382.9	1655.3	2253.8	3487.4	4946.6	5560.4	5734.5	5319.5	5050.4	3317.4
57.5°	407.6	415.7	536.8	879.5	1744.4	3161.4	3808.0	4132.0	4366.3	4152.1	2573.1
60°	182.7	183.4	204.2	267.7	581.0	1470.6	1968.6	2369.6	2610.5	2419.1	1276.5
62.5°	132.5	133.2	141.2	151.3	197.5	498.0	738.3	984.0	1002.0	656.0	323.3
65°	110.4	110.4	111.8	111.8	118.5	178.1	224.2	289.2	243.6	180.7	126.5
67.5°	89.0	89.7	91.0	91.0	89.0	89.0	96.4	105.8	113.1	139.9	116.5
70°	69.6	68.9	68.9	69.6	67.6	57.6	62.3	71.0	77.6	109.1	101.1
72.5°	54.2	54.9	54.2	51.5	46.9	34.1	36.8	46.2	49.5	68.3	68.3
75°	40.8	41.5	38.8	29.5	19.4	10.7	14.1	22.8	28.8	33.5	24.8
77.5°	5.4	5.4	4.0	4.0	3.3	4.0	4.0	5.4	8.0	8.0	6.0
80°	0.7	0.7	0.7	1.3	2.0	2.7	2.7	2.7	2.7	3.3	3.3
82.5°	0.7	0.7	0.7	0.7	2.0	2.0	2.7	2.7	2.7	2.7	2.7
85°	0.0	0.0	0.0	0.7	1.3	2.0	2.0	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.7	1.3	2.0	2.0	2.0	2.7	2.7	2.7
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°	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6	2130.6
2.5°	2133.9	2095.1	2048.3	2016.1	1970.6	1940.5	1897.7	1868.9	1844.1	1824.7	1835.4
5°	2134.6	2073.0	1977.3	1895.7	1806.6	1725.0	1637.3	1568.3	1506.1	1478.0	1493.4
7.5°	2148.0	2059.6	1913.1	1767.8	1597.1	1428.4	1270.5	1141.9	1078.4	1048.2	1057.6
10°	2174.1	2053.6	1841.4	1600.5	1323.3	1093.1	939.8	852.8	817.3	798.6	801.9
12.5°	2198.2	2049.6	1748.4	1380.2	1044.2	848.1	768.4	756.4	763.7	764.4	763.7
15°	2231.0	2042.2	1633.3	1154.0	835.4	733.0	735.0	752.4	769.8	775.1	773.8
17.5°	2265.8	2030.9	1484.7	937.1	708.9	699.5	722.9	746.3	763.7	766.4	767.1
20°	2302.0	2007.4	1315.3	765.1	650.0	674.1	700.2	717.6	730.3	734.3	735.6
22.5°	2318.7	1957.9	1119.9	641.9	610.5	642.6	662.0	684.8	688.8	674.1	676.7
25°	2310.0	1874.2	929.1	558.9	571.0	603.1	631.9	620.5	603.8	593.1	596.4
27.5°	2282.5	1763.1	742.3	498.0	528.8	569.6	573.0	560.3	557.6	548.9	551.6
30°	2253.1	1635.3	597.1	449.1	486.0	528.8	518.8	523.4	524.1	514.1	517.4
32.5°	2235.0	1501.4	475.3	416.3	458.5	466.5	486.6	496.0	496.7	473.2	477.3
35°	2241.0	1369.5	402.3	389.6	433.1	431.1	459.2	464.5	425.7	393.6	396.9
37.5°	2289.9	1247.7	360.8	368.8	388.9	404.3	425.7	390.2	381.5	366.8	368.8
40°	2380.9	1143.9	336.0	356.1	358.8	383.5	350.7	355.4	356.1	346.7	348.7
42.5°	2487.4	1057.6	321.3	348.7	342.0	346.1	313.3	322.6	332.7	328.7	329.3
45°	2540.9	973.3	308.6	323.3	325.3	287.2	279.8	289.8	302.6	304.6	305.2
47.5°	2493.4	892.9	295.2	286.5	299.9	261.7	253.0	256.4	271.1	279.1	280.5
50°	2348.1	800.6	275.1	253.7	246.3	234.9	226.9	227.6	244.3	258.4	261.1
52.5°	2144.0	704.2	242.3	214.9	198.1	206.8	208.8	204.8	220.2	234.3	237.0
55°	1945.9	583.7	192.1	174.7	159.3	178.1	183.4	178.1	182.7	192.1	192.8
57.5°	1370.2	330.0	147.3	144.6	131.9	152.6	161.3	153.3	145.3	151.3	152.6
60°	635.2	172.7	113.1	113.1	109.8	131.2	145.9	134.5	119.1	121.8	123.8
62.5°	198.8	109.1	83.0	78.3	89.7	111.8	123.8	112.5	94.4	94.4	97.1
65°	112.5	93.7	65.6	60.2	73.0	89.7	97.1	85.0	68.9	67.6	67.6
67.5°	104.4	89.0	58.2	48.9	51.5	57.6	60.2	52.2	47.5	46.9	47.5
70°	86.3	74.3	46.9	33.5	31.5	30.8	32.1	30.1	28.8	29.5	31.5
72.5°	53.5	44.8	29.5	20.1	17.4	16.7	16.7	16.7	16.1	16.1	16.1
75°	19.4	16.7	13.4	10.0	8.7	8.0	8.0	8.7	8.0	7.4	6.7
77.5°	6.0	5.4	5.4	5.4	4.7	4.0	3.3	3.3	2.7	2.0	2.0
80°	3.3	3.3	3.3	3.3	2.7	2.7	2.0	1.3	0.7	0.7	0.0
82.5°	3.3	3.3	3.3	2.7	2.7	2.7	2.0	1.3	0.7	0.0	0.0
85°	2.7	2.7	2.7	2.7	2.7	2.7	2.0	1.3	0.7	0.0	0.0
87.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.0	1.3	0.7	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)