

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: P634284

Luminaire Tested: GWS-SA3B-740-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634284
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8722.6 lumens
Efficiency: N/A
Efficacy: 127.7 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

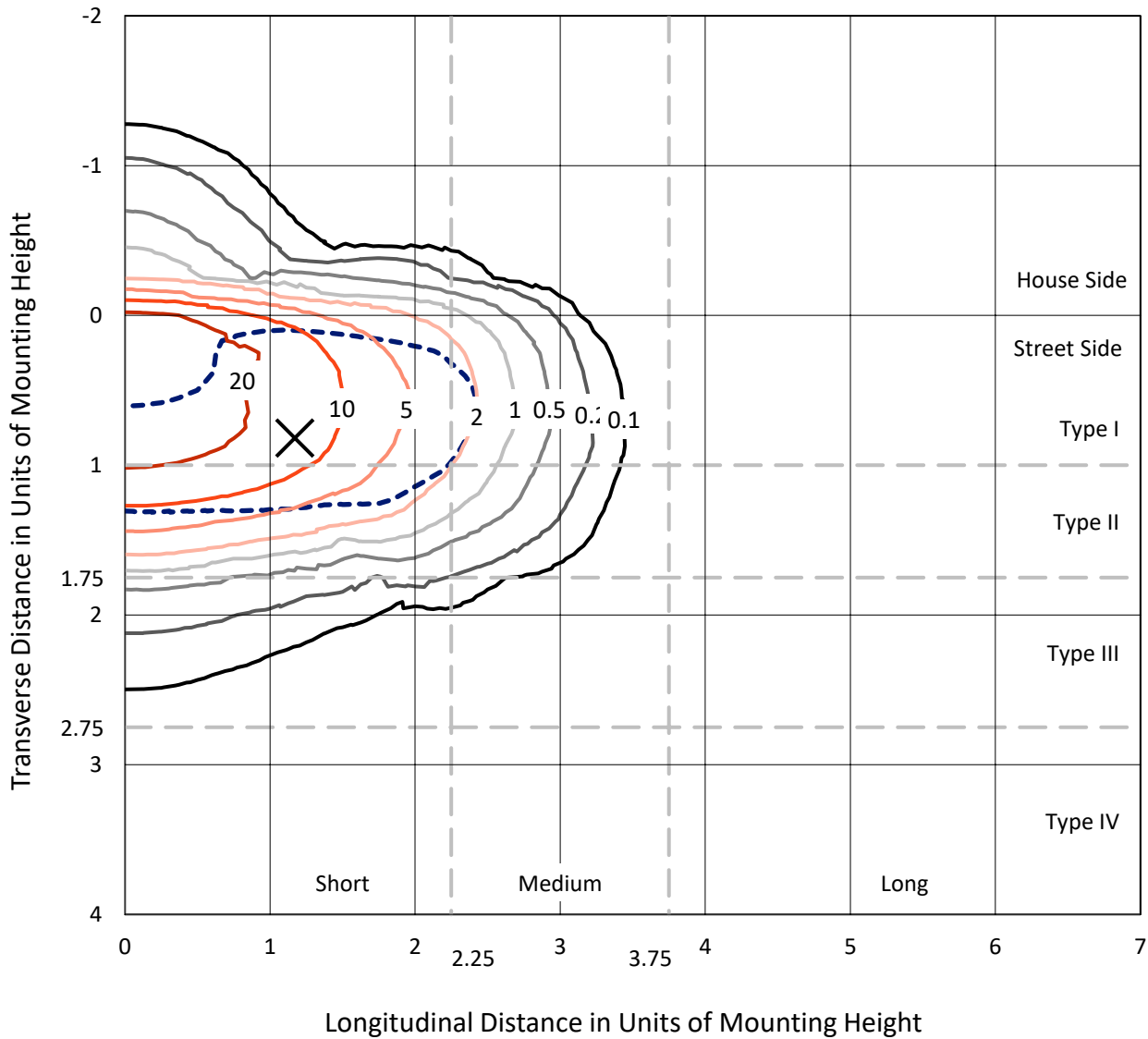
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

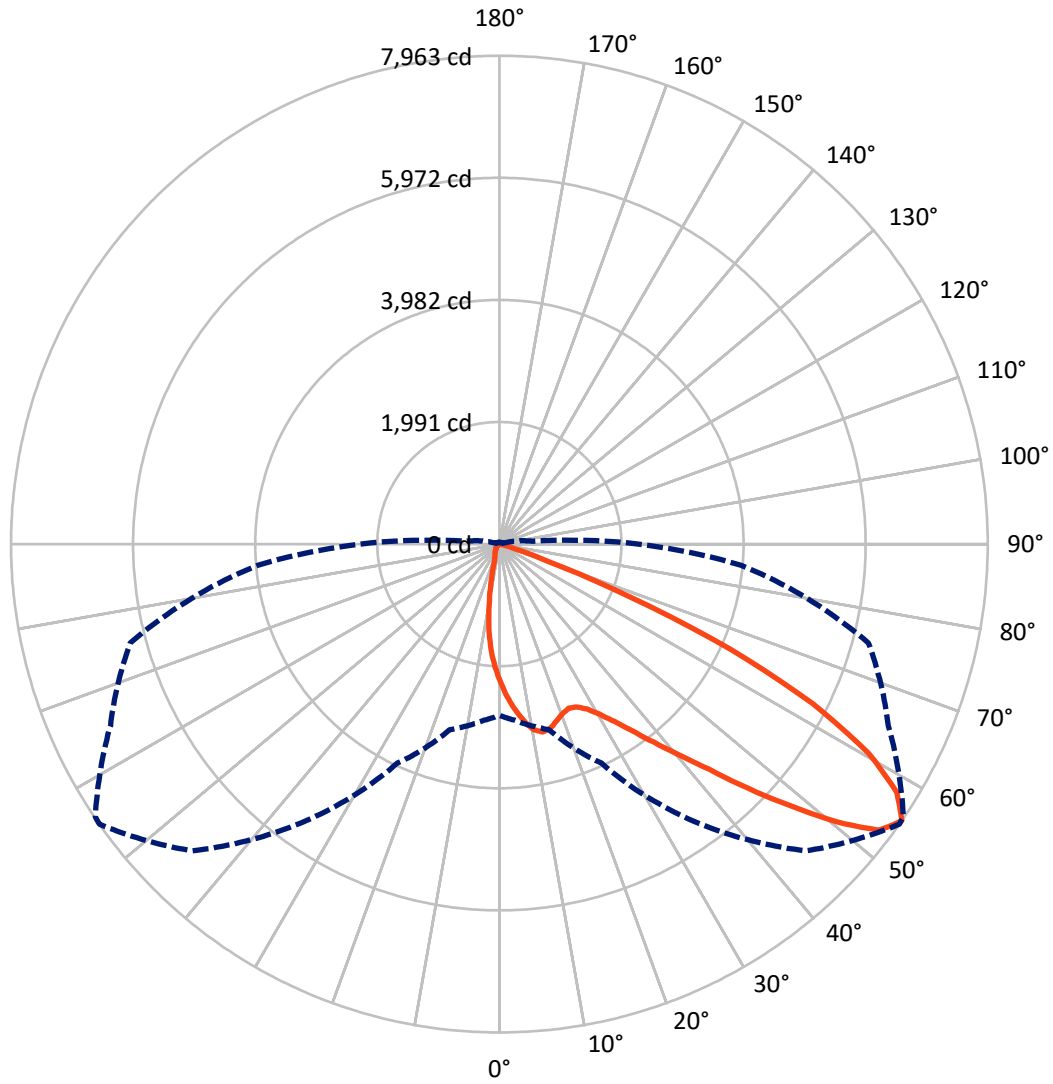
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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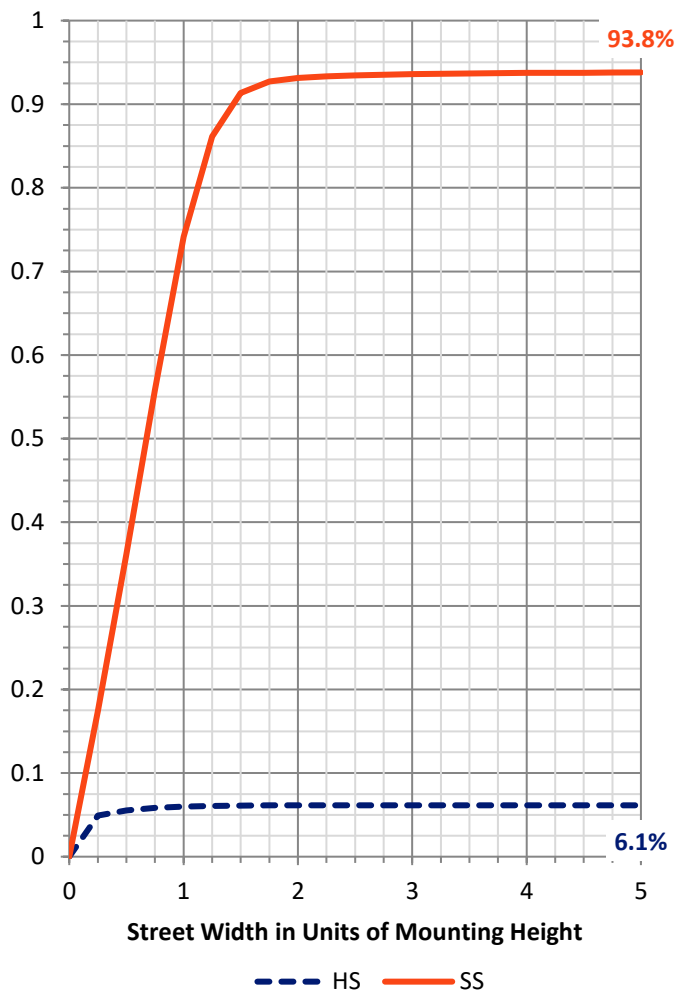
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.2	0.0	538.2
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8184.4	0.0	8184.4
	% Fixture	93.8	0.0	93.8
Total	Lumens	8722.6	0.0	8722.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.1	2.3
10°-20°	480.1	5.5
20°-30°	799.6	9.2
30°-40°	1362.5	15.6
40°-50°	2224.1	25.5
50°-60°	2328.6	26.7
60°-70°	1174.5	13.5
70°-80°	148.4	1.7
80°-90°	5.6	0.1
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°	8722.6	100.0
0°-180°	8722.6	100.0

Coefficient of Utilization



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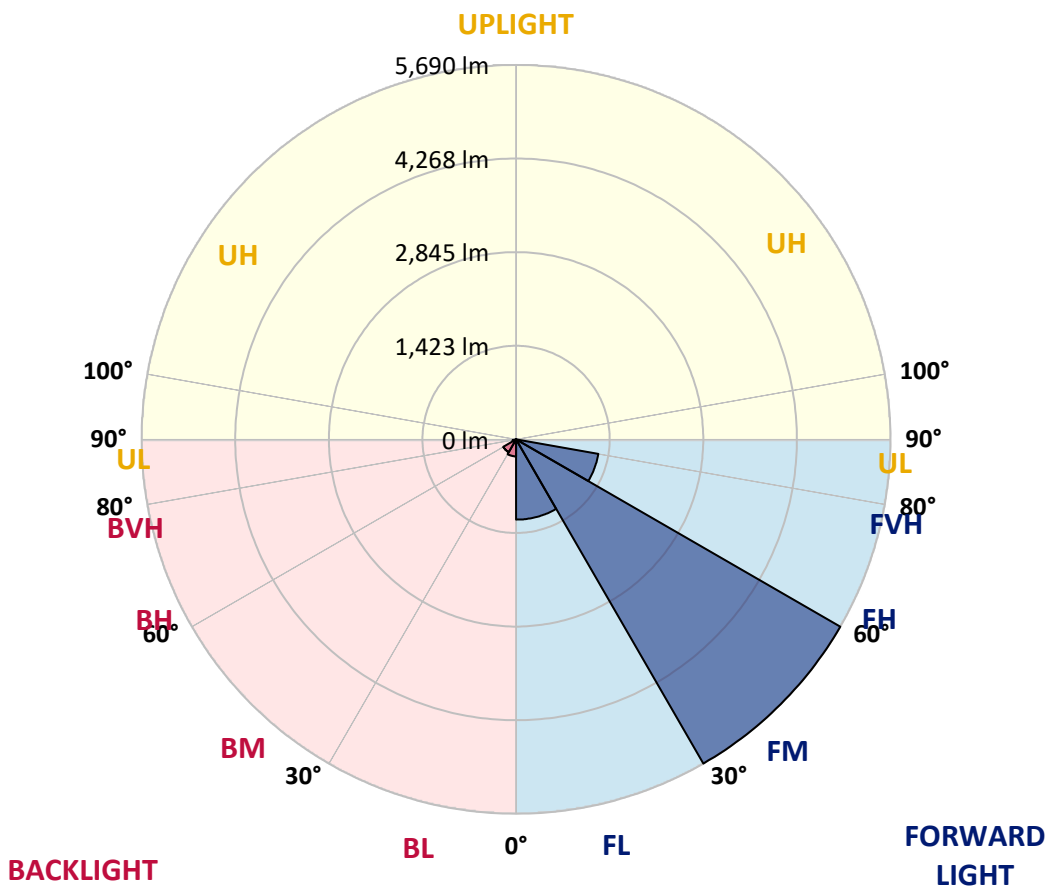
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1220.2	14.0			
FM (30°-60°)	5690.2	65.2			
FH (60°-80°)	1268.9	14.5			G1/1800
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	258.7	3.0	B1/500		
BM (30°-60°)	225.0	2.6	B1/1000		
BH (60°-80°)	54.0	0.6	B0/110		G0/110
BVH (80°-90°)	0.5	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°	55°	56°	65°	75°	85°
0°	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4
2.5°	2627.0	2614.3	2633.7	2611.3	2573.3	2541.2	2499.5	2484.6	2417.5	2354.1	2292.9
5°	2946.1	2949.9	2943.9	2912.6	2858.9	2799.2	2715.0	2696.3	2579.3	2458.5	2328.0
7.5°	3025.2	3022.9	3035.6	3047.5	3038.6	3008.8	2917.1	2898.4	2753.0	2571.8	2381.7
10°	2781.3	2782.8	2808.9	2889.5	2989.4	3093.0	3078.9	3068.4	2926.0	2700.1	2441.3
12.5°	2436.8	2450.3	2477.9	2592.7	2762.0	2997.6	3143.7	3154.2	3084.8	2841.0	2511.4
15°	2287.7	2290.7	2313.1	2382.4	2508.4	2799.2	3116.1	3145.2	3217.6	2982.7	2587.5
17.5°	2284.0	2287.7	2297.4	2328.0	2410.0	2643.4	3027.4	3078.1	3317.5	3134.8	2678.4
20°	2424.2	2421.9	2415.2	2398.8	2434.6	2591.9	2945.4	3001.3	3371.9	3283.2	2770.2
22.5°	2678.4	2675.5	2645.6	2577.8	2548.7	2638.9	2905.1	2955.8	3404.7	3415.2	2845.5
25°	2971.5	2992.4	2936.4	2833.5	2762.0	2759.0	2940.9	2976.7	3433.1	3532.2	2896.9
27.5°	3292.9	3299.6	3251.9	3136.3	3032.6	2951.4	3044.6	3071.4	3464.4	3636.6	2926.0
30°	3645.6	3643.3	3588.9	3454.7	3328.7	3211.6	3219.0	3229.5	3537.4	3755.9	2958.1
32.5°	4086.3	4096.0	3999.0	3816.3	3665.0	3503.1	3447.2	3448.7	3669.4	3909.5	3006.5
35°	4685.0	4661.2	4532.9	4272.7	4014.7	3840.2	3744.7	3736.5	3873.0	4116.1	3090.8
37.5°	5255.5	5257.7	5123.5	4837.1	4511.3	4236.1	4101.2	4078.8	4159.3	4402.4	3231.0
40°	5651.4	5658.9	5602.9	5453.1	5107.8	4718.6	4520.2	4497.1	4530.7	4764.8	3414.4
42.5°	5861.0	5881.8	5897.5	5932.5	5670.8	5321.1	5016.1	5013.9	4978.8	5177.9	3626.9
45°	5869.2	5900.5	5995.9	6235.3	6265.1	6008.6	5676.8	5626.8	5491.8	5620.1	3817.1
47.5°	5544.8	5617.1	5819.9	6294.2	6607.4	6692.4	6363.5	6333.0	5954.2	5969.8	3959.5
50°	4788.7	4864.0	5237.6	5992.2	6693.9	7235.2	7117.4	7054.0	6340.4	6201.0	4028.1
52.5°	4013.2	4081.8	4335.3	5273.4	6335.2	7406.0	7752.7	7677.4	6687.2	6281.5	3999.8
55°	2792.5	2884.2	3131.8	3941.6	5509.0	7073.4	7963.0	7947.3	6996.6	6230.8	3955.8
57.5°	1369.0	1460.0	1706.8	2430.1	4081.0	6175.6	7641.6	7724.4	7181.5	6176.4	3920.0
60°	571.9	609.2	694.2	1066.3	2283.2	4667.1	6916.1	7030.9	7068.2	6102.5	3916.2
62.5°	331.8	337.8	346.7	442.2	888.1	2675.5	5737.2	5900.5	6472.4	6004.9	3857.3
65°	250.5	252.8	249.1	271.4	366.9	1014.9	4145.2	4367.4	5402.4	5623.1	3624.7
67.5°	205.8	205.8	196.1	200.6	230.4	380.3	2288.5	2598.7	3997.5	4621.7	2993.1
70°	164.0	167.8	163.3	157.3	164.8	210.3	814.3	1009.6	2328.0	2729.1	1745.6
72.5°	124.5	124.5	132.0	127.5	122.3	132.0	284.1	319.1	934.3	1137.9	630.1
75°	96.2	99.2	104.4	99.9	92.5	78.3	136.5	144.7	281.9	264.7	140.9
77.5°	49.2	50.0	66.4	73.1	68.6	47.7	59.7	65.6	91.7	82.0	52.2
80°	29.8	31.3	37.3	57.4	45.5	25.4	24.6	26.1	43.2	37.3	21.6
82.5°	12.7	13.4	20.9	20.9	18.6	9.7	9.7	9.7	20.9	19.4	8.9
85°	0.0	0.0	3.7	3.0	3.0	3.7	3.7	3.7	5.2	7.5	4.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	2.2	2.2
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°	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4	2253.4
2.5°	2253.4	2205.7	2141.6	2083.4	2005.1	1961.1	1900.0	1850.0	1807.5	1794.1	1788.1
5°	2254.2	2172.1	2034.9	1897.7	1729.2	1596.5	1460.0	1351.9	1263.2	1234.8	1227.4
7.5°	2269.1	2148.3	1926.1	1677.0	1395.1	1162.5	954.5	768.0	681.5	652.5	646.5
10°	2289.2	2128.1	1800.0	1412.3	1007.4	708.4	501.8	382.5	325.9	294.5	299.0
12.5°	2315.3	2111.7	1660.6	1126.0	666.6	389.2	275.9	231.2	219.2	213.3	210.3
15°	2350.3	2092.3	1487.6	841.9	408.6	250.5	212.5	200.6	196.1	193.1	192.4
17.5°	2386.1	2070.0	1311.6	592.1	271.4	208.0	190.9	184.9	181.9	179.7	179.0
20°	2424.2	2031.9	1105.1	407.9	214.0	187.2	176.0	169.3	165.5	161.8	161.1
22.5°	2440.6	1970.8	907.5	285.6	190.1	172.2	158.1	149.9	145.4	142.4	142.4
25°	2424.9	1871.6	703.2	217.0	173.0	155.8	141.7	132.7	129.0	126.0	126.0
27.5°	2383.2	1744.1	513.0	179.7	154.4	138.7	125.3	117.1	114.1	112.6	112.6
30°	2336.9	1583.1	361.6	154.4	133.5	120.8	109.6	104.4	103.6	102.2	102.2
32.5°	2297.4	1432.4	249.1	135.7	117.8	105.1	97.7	95.4	96.2	94.7	95.4
35°	2275.8	1284.8	184.9	120.8	105.1	93.2	89.5	89.5	89.5	88.7	88.7
37.5°	2284.7	1139.4	150.6	110.4	94.0	85.0	81.3	82.8	84.3	84.3	84.3
40°	2329.5	1010.4	133.5	100.7	84.3	77.5	74.6	76.8	79.0	80.5	80.5
42.5°	2386.1	906.0	120.8	92.5	77.5	70.1	68.6	70.8	73.1	74.6	74.6
45°	2421.9	800.8	108.1	82.0	70.8	61.9	61.9	64.9	64.1	64.9	64.9
47.5°	2438.3	717.3	95.4	70.8	60.4	53.7	54.4	55.9	54.4	55.9	55.9
50°	2398.1	633.1	84.3	58.9	50.0	47.0	48.5	47.7	47.7	50.7	50.7
52.5°	2324.2	570.4	74.6	50.0	42.5	41.8	43.2	40.3	41.0	41.0	40.3
55°	2269.8	534.6	66.4	43.2	36.5	37.3	36.5	31.3	28.3	25.4	24.6
57.5°	2243.0	520.5	60.4	38.8	32.8	32.8	29.8	21.6	16.4	12.7	11.2
60°	2237.0	503.3	54.4	33.6	29.1	27.6	21.6	12.7	8.2	6.0	5.2
62.5°	2180.3	461.6	49.2	26.8	25.4	22.4	13.4	7.5	4.5	3.0	2.2
65°	1994.7	379.5	44.0	20.9	19.4	16.4	8.2	4.5	2.2	0.7	0.0
67.5°	1586.8	269.2	38.8	15.7	13.4	10.4	5.2	3.0	0.7	0.0	0.0
70°	914.9	145.4	32.1	11.2	8.9	6.7	3.7	1.5	0.0	0.0	0.0
72.5°	305.7	67.9	24.6	7.5	6.7	5.2	2.2	0.7	0.0	0.0	0.0
75°	67.1	40.3	16.4	5.2	4.5	3.7	1.5	0.0	0.0	0.0	0.0
77.5°	25.4	28.3	8.2	3.7	3.0	2.2	0.7	0.0	0.0	0.0	0.0
80°	9.7	18.6	3.7	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	7.5	2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.0	3.7	1.5	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.5	0.7	0.7	0.7	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)