

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: P634559

Luminaire Tested: GWS-SA3C-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634559
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-SA3C-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8616.7 lumens
Efficiency: N/A
Efficacy: 92.7 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

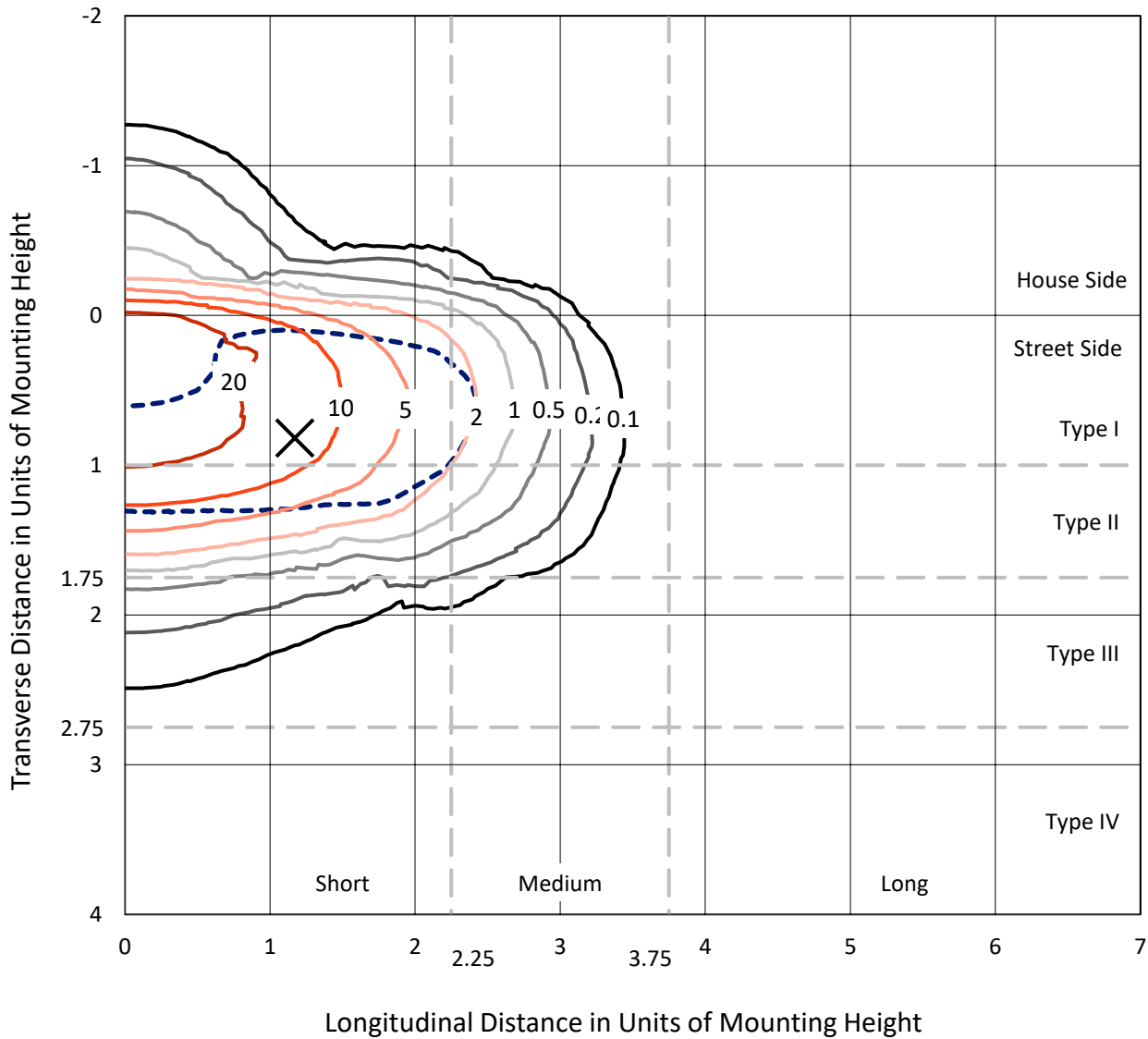
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

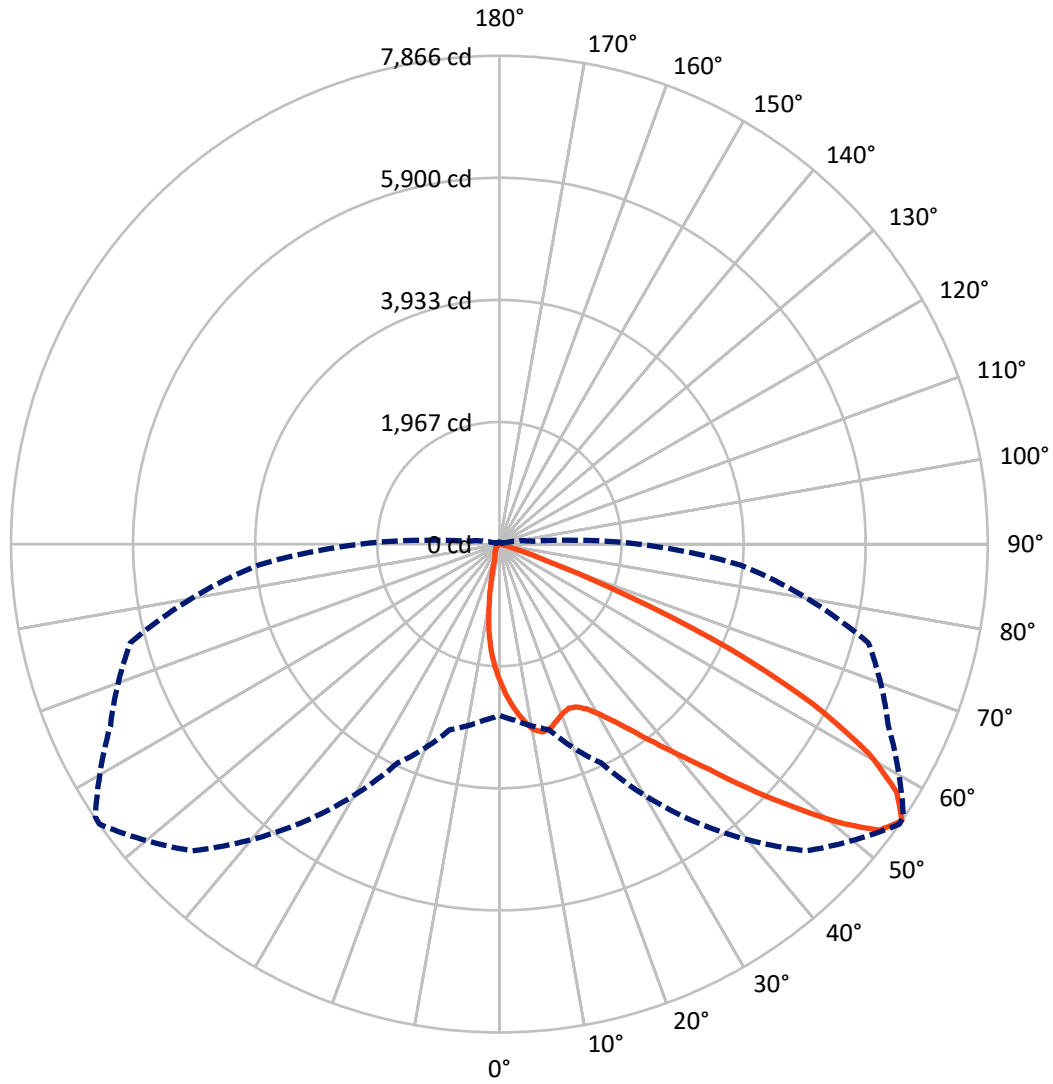
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.2 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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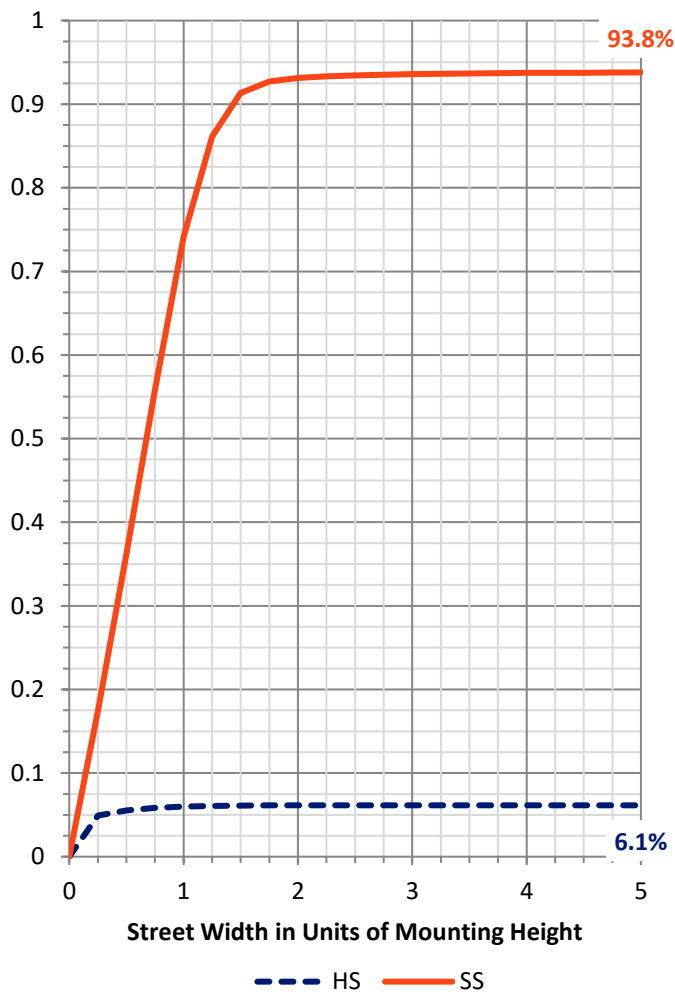
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	531.7	0.0	531.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8085.0	0.0	8085.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	8616.7	0.0	8616.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.7	2.3
10°-20°	474.3	5.5
20°-30°	789.9	9.2
30°-40°	1346.0	15.6
40°-50°	2197.1	25.5
50°-60°	2300.3	26.7
60°-70°	1160.2	13.5
70°-80°	146.5	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°	8616.7	100.0
0°-180°	8616.7	100.0

Coefficient of Utilization



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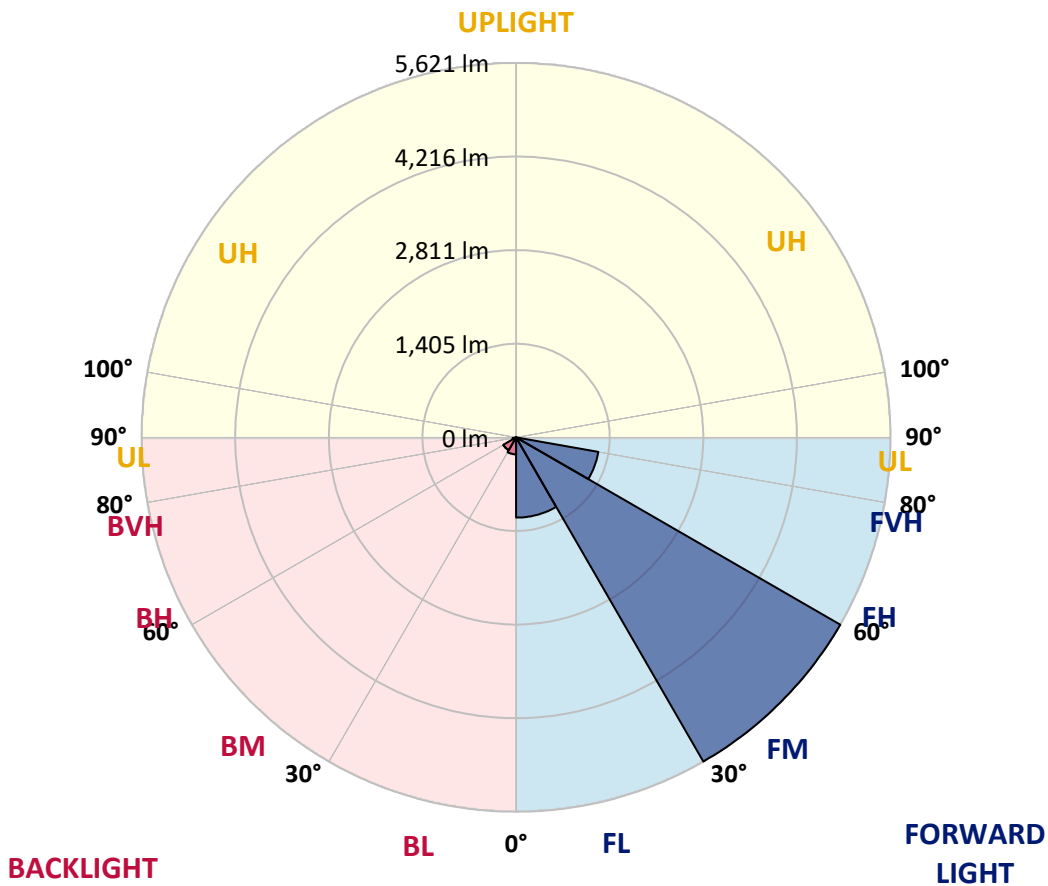
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1205.4	14.0			
FM (30°-60°)	5621.2	65.2			
FH (60°-80°)	1253.4	14.5			G1/1800
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	255.5	3.0	B1/500		
BM (30°-60°)	222.3	2.6	B1/1000		
BH (60°-80°)	53.3	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°	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1
2.5°	2595.1	2582.6	2601.7	2579.6	2542.1	2510.4	2469.1	2454.4	2388.1	2325.5	2265.1
5°	2910.4	2914.0	2908.2	2877.2	2824.2	2765.3	2682.0	2663.6	2548.0	2428.6	2299.7
7.5°	2988.4	2986.2	2998.8	3010.5	3001.7	2972.2	2881.6	2863.2	2719.6	2540.6	2352.7
10°	2747.6	2749.0	2774.8	2854.4	2953.1	3055.5	3041.5	3031.2	2890.5	2667.3	2411.7
12.5°	2407.3	2420.5	2447.8	2561.2	2728.4	2961.2	3105.6	3115.9	3047.4	2806.5	2480.9
15°	2259.9	2262.9	2285.0	2353.5	2478.0	2765.3	3078.3	3107.0	3178.5	2946.5	2556.1
17.5°	2256.3	2259.9	2269.5	2299.7	2380.7	2611.3	2990.7	3040.7	3277.2	3096.7	2645.9
20°	2394.7	2392.5	2385.9	2369.7	2405.0	2560.5	2909.6	2964.9	3331.0	3243.3	2736.5
22.5°	2645.9	2643.0	2613.5	2546.5	2517.8	2606.9	2869.9	2919.9	3363.4	3373.7	2810.9
25°	2935.4	2956.0	2900.8	2799.1	2728.4	2725.5	2905.2	2940.6	3391.4	3489.3	2861.7
27.5°	3252.9	3259.5	3212.4	3098.2	2995.8	2915.5	3007.6	3034.1	3422.3	3592.5	2890.5
30°	3601.3	3599.1	3545.3	3412.7	3288.2	3172.6	3180.0	3190.3	3494.5	3710.3	2922.2
32.5°	4036.7	4046.2	3950.5	3770.0	3620.5	3460.6	3405.4	3406.8	3624.9	3862.1	2970.0
35°	4628.2	4604.6	4477.9	4220.8	3965.9	3793.6	3699.3	3691.2	3826.0	4066.1	3053.3
37.5°	5191.7	5193.9	5061.3	4778.4	4456.5	4184.7	4051.4	4029.3	4108.8	4349.0	3191.8
40°	5582.8	5590.2	5534.9	5386.9	5045.8	4661.3	4465.4	4442.5	4475.7	4707.0	3373.0
42.5°	5789.8	5810.4	5825.9	5860.5	5602.0	5256.5	4955.2	4953.0	4918.4	5115.1	3582.9
45°	5797.9	5828.8	5923.1	6159.6	6189.0	5935.6	5607.9	5558.5	5425.2	5551.9	3770.7
47.5°	5477.5	5548.9	5749.3	6217.8	6527.1	6611.1	6286.3	6256.1	5881.9	5897.3	3911.4
50°	4730.5	4804.9	5174.0	5919.4	6612.6	7147.4	7031.0	6968.4	6263.4	6125.7	3979.2
52.5°	3964.5	4032.2	4282.7	5209.3	6258.3	7316.1	7658.6	7584.2	6606.0	6205.2	3951.2
55°	2758.6	2849.2	3093.8	3893.7	5442.1	6987.5	7866.3	7850.8	6911.7	6155.2	3907.7
57.5°	1352.4	1442.3	1686.1	2400.6	4031.5	6100.6	7548.8	7630.6	7094.3	6101.4	3872.4
60°	565.0	601.8	685.8	1053.4	2255.5	4610.5	6832.1	6945.5	6982.4	6028.5	3868.7
62.5°	327.8	333.7	342.5	436.8	877.3	2643.0	5667.5	5828.8	6393.8	5932.0	3810.5
65°	247.5	249.7	246.0	268.1	362.4	1002.5	4094.8	4314.4	5336.8	5554.8	3580.7
67.5°	203.3	203.3	193.7	198.1	227.6	375.7	2260.7	2567.1	3949.0	4565.5	2956.8
70°	162.1	165.7	161.3	155.4	162.8	207.7	804.4	997.4	2299.7	2696.0	1724.4
72.5°	123.0	123.0	130.4	126.0	120.8	130.4	280.7	315.3	923.0	1124.1	622.4
75°	95.0	98.0	103.1	98.7	91.3	77.3	134.8	142.9	278.4	261.5	139.2
77.5°	48.6	49.4	65.6	72.2	67.8	47.1	58.9	64.8	90.6	81.0	51.6
80°	29.5	30.9	36.8	56.7	44.9	25.0	24.3	25.8	42.7	36.8	21.4
82.5°	12.5	13.3	20.6	20.6	18.4	9.6	9.6	9.6	20.6	19.2	8.8
85°	0.0	0.0	3.7	2.9	2.9	3.7	3.7	3.7	5.2	7.4	4.4
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°	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1	2226.1
2.5°	2226.1	2178.9	2115.6	2058.1	1980.8	1937.3	1876.9	1827.5	1785.6	1772.3	1766.4
5°	2226.8	2145.8	2010.2	1874.7	1708.2	1577.1	1442.3	1335.5	1247.8	1219.8	1212.5
7.5°	2241.5	2122.2	1902.7	1656.6	1378.2	1148.4	942.9	758.7	673.3	644.5	638.6
10°	2261.4	2102.3	1778.2	1395.1	995.2	699.8	495.7	377.9	321.9	291.0	295.4
12.5°	2287.2	2086.1	1640.4	1112.3	658.5	384.5	272.5	228.4	216.6	210.7	207.7
15°	2321.8	2066.9	1469.5	831.6	403.7	247.5	209.9	198.1	193.7	190.8	190.0
17.5°	2357.2	2044.8	1295.7	584.9	268.1	205.5	188.6	182.7	179.7	177.5	176.8
20°	2394.7	2007.3	1091.7	402.9	211.4	184.9	173.8	167.2	163.5	159.8	159.1
22.5°	2410.9	1946.9	896.5	282.1	187.8	170.2	156.2	148.1	143.6	140.7	140.7
25°	2395.5	1848.9	694.6	214.4	170.9	154.0	140.0	131.1	127.4	124.5	124.5
27.5°	2354.2	1722.9	506.8	177.5	152.5	137.0	123.8	115.6	112.7	111.2	111.2
30°	2308.6	1563.8	357.3	152.5	131.9	119.3	108.3	103.1	102.4	100.9	100.9
32.5°	2269.5	1415.0	246.0	134.1	116.4	103.9	96.5	94.3	95.0	93.6	94.3
35°	2248.1	1269.2	182.7	119.3	103.9	92.1	88.4	88.4	88.4	87.7	87.7
37.5°	2257.0	1125.5	148.8	109.0	92.8	84.0	80.3	81.8	83.2	83.2	83.2
40°	2301.2	998.1	131.9	99.4	83.2	76.6	73.7	75.9	78.1	79.6	79.6
42.5°	2357.2	895.0	119.3	91.3	76.6	69.2	67.8	70.0	72.2	73.7	73.7
45°	2392.5	791.1	106.8	81.0	70.0	61.1	61.1	64.1	63.3	64.1	64.1
47.5°	2408.7	708.6	94.3	70.0	59.7	53.0	53.8	55.2	53.8	55.2	55.2
50°	2369.0	625.4	83.2	58.2	49.4	46.4	47.9	47.1	47.1	50.1	50.1
52.5°	2296.0	563.5	73.7	49.4	42.0	41.3	42.7	39.8	40.5	40.5	39.8
55°	2242.3	528.2	65.6	42.7	36.1	36.8	36.1	30.9	28.0	25.0	24.3
57.5°	2215.7	514.2	59.7	38.3	32.4	32.4	29.5	21.4	16.2	12.5	11.0
60°	2209.8	497.2	53.8	33.1	28.7	27.3	21.4	12.5	8.1	5.9	5.2
62.5°	2153.9	456.0	48.6	26.5	25.0	22.1	13.3	7.4	4.4	2.9	2.2
65°	1970.4	374.9	43.5	20.6	19.2	16.2	8.1	4.4	2.2	0.7	0.0
67.5°	1567.5	265.9	38.3	15.5	13.3	10.3	5.2	2.9	0.7	0.0	0.0
70°	903.8	143.6	31.7	11.0	8.8	6.6	3.7	1.5	0.0	0.0	0.0
72.5°	302.0	67.0	24.3	7.4	6.6	5.2	2.2	0.7	0.0	0.0	0.0
75°	66.3	39.8	16.2	5.2	4.4	3.7	1.5	0.0	0.0	0.0	0.0
77.5°	25.0	28.0	8.1	3.7	2.9	2.2	0.7	0.0	0.0	0.0	0.0
80°	9.6	18.4	3.7	2.2	2.2	0.7	0.0	0.0	0.0	0.0	0.0
82.5°	5.2	7.4	2.2	1.5	1.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	2.9	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)