

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: P634229

Luminaire Tested: GWS-SA3B-735-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634229
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-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8603.1 lumens
Efficiency: N/A
Efficacy: 126.0 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

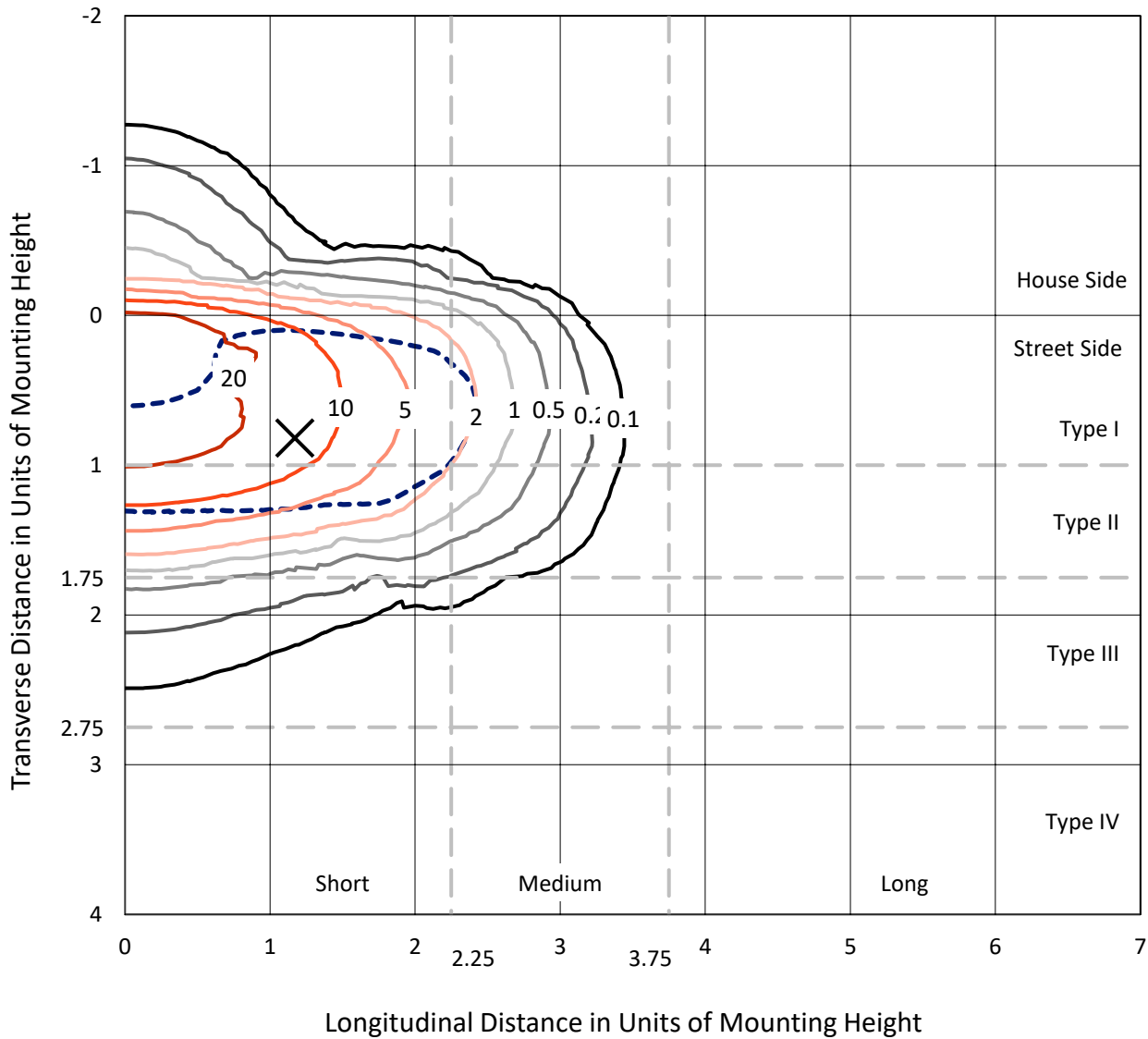
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

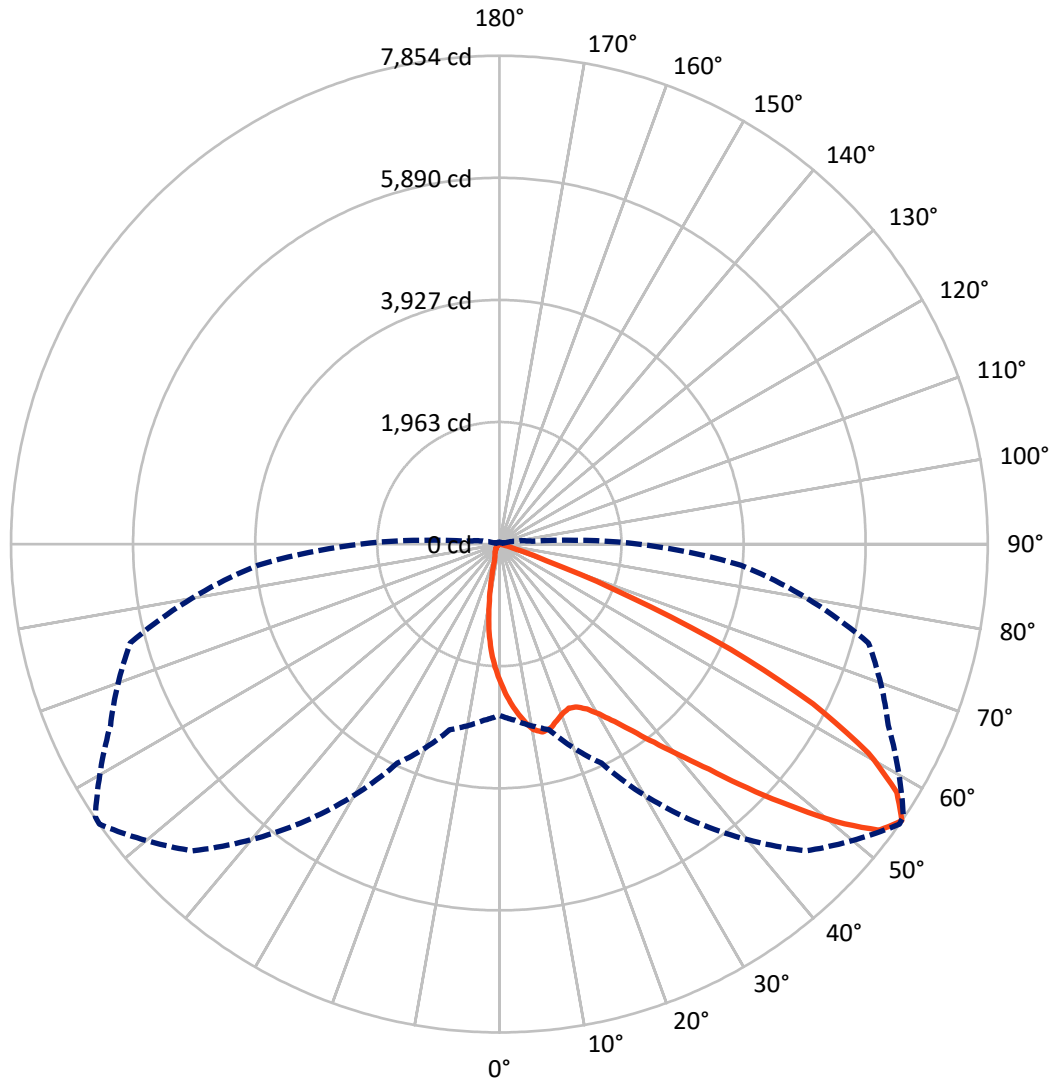
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 29.1 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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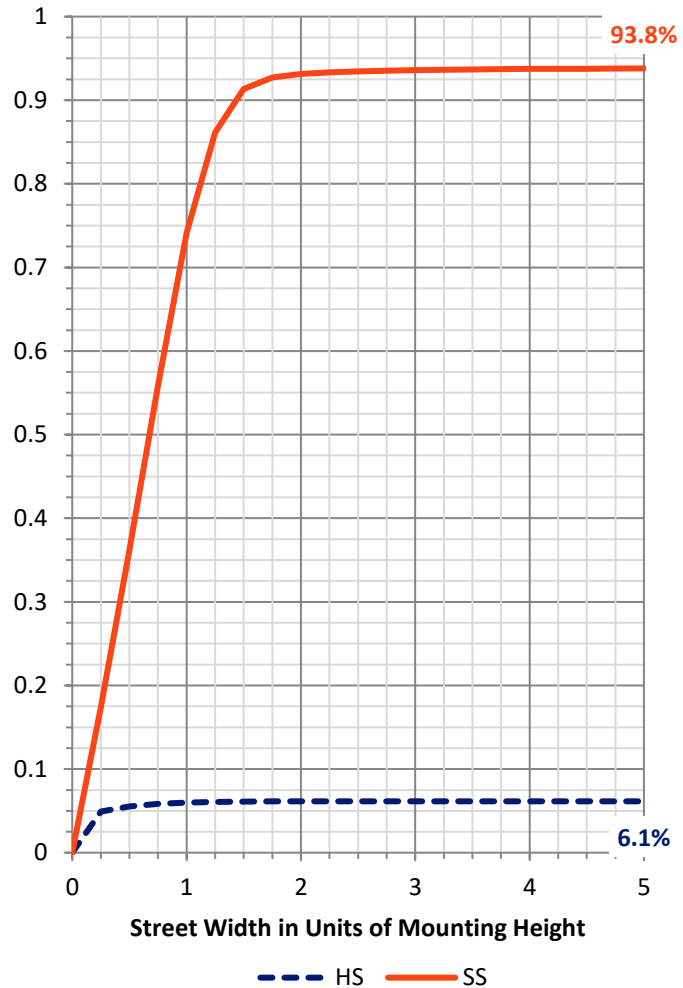
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	530.8	0.0	530.8
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	8072.3	0.0	8072.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	8603.1	0.0	8603.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	196.4	2.3
10°-20°	473.5	5.5
20°-30°	788.6	9.2
30°-40°	1343.9	15.6
40°-50°	2193.7	25.5
50°-60°	2296.7	26.7
60°-70°	1158.4	13.5
70°-80°	146.3	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°	8603.1	100.0
0°-180°	8603.1	100.0

Coefficient of Utilization

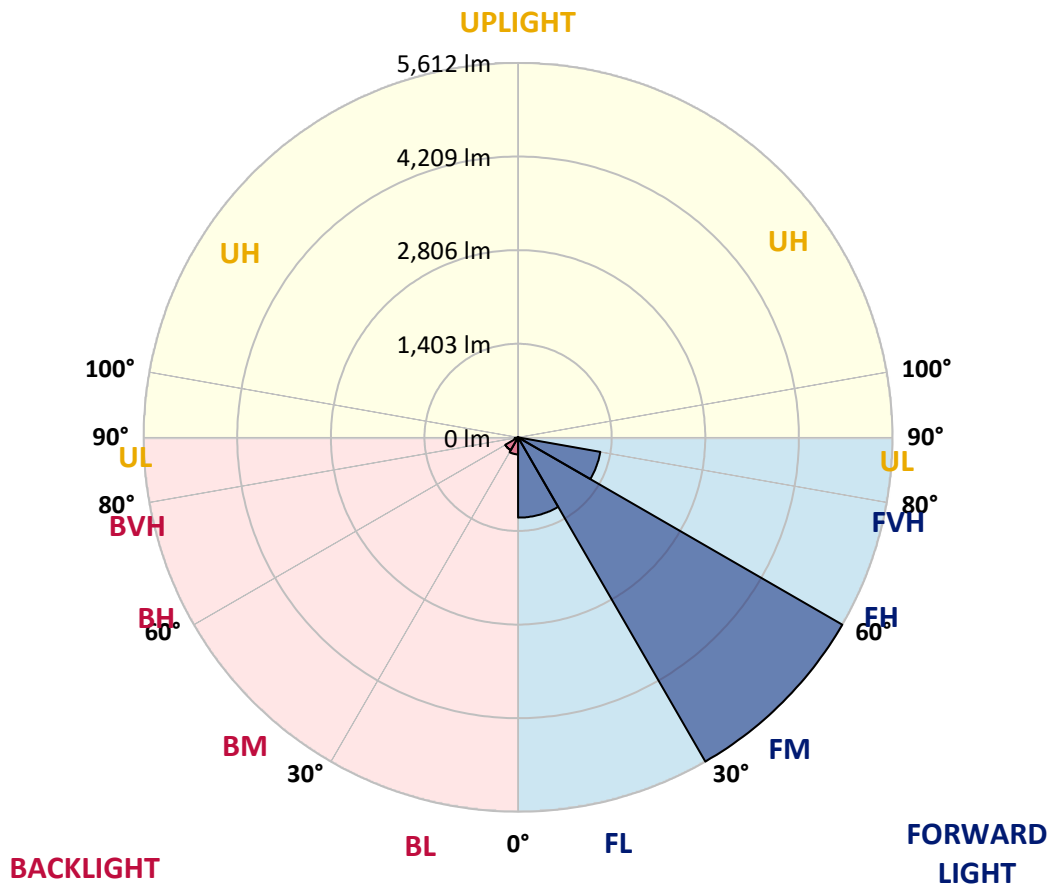


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1203.5	14.0			
FM (30°-60°)	5612.3	65.2			
FH (60°-80°)	1251.5	14.5			G1/1800
FVH (80°-90°)	5.1	0.1			G0/10
BL (0°-30°)	255.1	3.0	B1/500		
BM (30°-60°)	221.9	2.6	B1/1000		
BH (60°-80°)	53.2	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°	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5
2.5°	2591.0	2578.5	2597.6	2575.6	2538.0	2506.4	2465.2	2450.5	2384.3	2321.8	2261.5
5°	2905.8	2909.4	2903.6	2872.7	2819.7	2760.9	2677.8	2659.4	2543.9	2424.8	2296.1
7.5°	2983.7	2981.5	2994.0	3005.8	2997.0	2967.6	2877.1	2858.7	2715.3	2536.6	2349.0
10°	2743.2	2744.7	2770.4	2849.9	2948.4	3050.7	3036.7	3026.4	2885.9	2663.1	2407.9
12.5°	2403.5	2416.7	2443.9	2557.2	2724.1	2956.5	3100.7	3111.0	3042.6	2802.1	2477.0
15°	2256.4	2259.3	2281.4	2349.8	2474.1	2760.9	3073.5	3102.1	3173.5	2941.8	2552.0
17.5°	2252.7	2256.4	2265.9	2296.1	2377.0	2607.2	2985.9	3035.9	3272.0	3091.8	2641.7
20°	2391.0	2388.7	2382.1	2366.0	2401.3	2556.4	2905.0	2960.2	3325.7	3238.2	2732.2
22.5°	2641.7	2638.8	2609.4	2542.5	2513.8	2602.8	2865.3	2915.3	3358.1	3368.4	2806.5
25°	2930.8	2951.4	2896.2	2794.7	2724.1	2721.2	2900.6	2935.9	3386.0	3483.8	2857.2
27.5°	3247.8	3254.4	3207.3	3093.3	2991.1	2910.9	3002.9	3029.3	3416.9	3586.8	2885.9
30°	3595.6	3593.4	3539.7	3407.4	3283.1	3167.6	3174.9	3185.2	3489.0	3704.5	2917.5
32.5°	4030.3	4039.8	3944.2	3764.0	3614.7	3455.2	3400.0	3401.5	3619.2	3856.0	2965.3
35°	4620.8	4597.3	4470.8	4214.1	3959.7	3787.6	3693.4	3685.4	3819.9	4059.7	3048.5
37.5°	5183.5	5185.7	5053.3	4770.9	4449.5	4178.1	4045.0	4022.9	4102.4	4342.1	3186.7
40°	5574.0	5581.3	5526.2	5378.4	5037.8	4653.9	4458.3	4435.5	4468.6	4699.5	3367.6
42.5°	5780.7	5801.2	5816.7	5851.3	5593.1	5248.2	4947.4	4945.2	4910.6	5107.0	3577.2
45°	5788.7	5819.6	5913.8	6149.9	6179.3	5926.3	5599.0	5549.7	5416.6	5543.1	3764.8
47.5°	5468.8	5540.2	5740.2	6208.0	6516.8	6600.7	6276.4	6246.2	5872.6	5888.0	3905.3
50°	4723.1	4797.4	5165.8	5910.1	6602.2	7136.1	7019.9	6957.4	6253.6	6116.0	3972.9
52.5°	3958.2	4025.9	4275.9	5201.1	6248.4	7304.5	7646.5	7572.2	6595.5	6195.5	3945.0
55°	2754.3	2844.7	3088.9	3887.6	5433.5	6976.5	7853.9	7838.5	6900.7	6145.4	3901.6
57.5°	1350.3	1440.0	1683.5	2396.8	4025.1	6091.0	7536.9	7618.6	7083.1	6091.8	3866.3
60°	564.1	600.9	684.7	1051.7	2252.0	4603.2	6821.3	6934.6	6971.4	6018.9	3862.6
62.5°	327.3	333.2	342.0	436.1	875.9	2638.8	5658.6	5819.6	6383.7	5922.6	3804.5
65°	247.1	249.3	245.6	267.7	361.8	1001.0	4088.4	4307.5	5328.4	5546.0	3575.0
67.5°	203.0	203.0	193.4	197.8	227.3	375.1	2257.1	2563.1	3942.8	4558.3	2952.1
70°	161.8	165.5	161.1	155.2	162.5	207.4	803.1	995.8	2296.1	2691.8	1721.7
72.5°	122.8	122.8	130.2	125.8	120.6	130.2	280.2	314.8	921.5	1122.3	621.5
75°	94.9	97.8	103.0	98.6	91.2	77.2	134.6	142.7	278.0	261.1	139.0
77.5°	48.5	49.3	65.5	72.1	67.7	47.1	58.8	64.7	90.5	80.9	51.5
80°	29.4	30.9	36.8	56.6	44.9	25.0	24.3	25.7	42.7	36.8	21.3
82.5°	12.5	13.2	20.6	20.6	18.4	9.6	9.6	9.6	20.6	19.1	8.8
85°	0.0	0.0	3.7	2.9	2.9	3.7	3.7	3.7	5.1	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°	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5	2222.5
2.5°	2222.5	2175.5	2112.2	2054.9	1977.6	1934.2	1873.9	1824.7	1782.7	1769.5	1763.6
5°	2223.3	2142.4	2007.0	1871.7	1705.5	1574.6	1440.0	1333.4	1245.9	1217.9	1210.6
7.5°	2238.0	2118.8	1899.7	1654.0	1376.0	1146.6	941.4	757.5	672.2	643.5	637.6
10°	2257.8	2099.0	1775.4	1392.9	993.6	698.7	495.0	377.3	321.4	290.5	294.9
12.5°	2283.6	2082.8	1637.9	1110.5	657.5	383.9	272.1	228.0	216.2	210.3	207.4
15°	2318.1	2063.7	1467.2	830.3	403.0	247.1	209.6	197.8	193.4	190.5	189.7
17.5°	2353.4	2041.6	1293.7	583.9	267.7	205.2	188.3	182.4	179.5	177.2	176.5
20°	2391.0	2004.1	1089.9	402.3	211.1	184.6	173.6	166.9	163.3	159.6	158.9
22.5°	2407.1	1943.8	895.0	281.7	187.5	169.9	155.9	147.8	143.4	140.5	140.5
25°	2391.7	1846.0	693.5	214.0	170.6	153.7	139.7	130.9	127.2	124.3	124.3
27.5°	2350.5	1720.2	506.0	177.2	152.2	136.8	123.6	115.5	112.5	111.1	111.1
30°	2304.9	1561.4	356.7	152.2	131.6	119.1	108.1	103.0	102.2	100.8	100.8
32.5°	2265.9	1412.8	245.6	133.9	116.2	103.7	96.3	94.1	94.9	93.4	94.1
35°	2244.6	1267.2	182.4	119.1	103.7	91.9	88.3	88.3	88.3	87.5	87.5
37.5°	2253.4	1123.8	148.6	108.8	92.7	83.8	80.2	81.6	83.1	83.1	83.1
40°	2297.6	996.5	131.6	99.3	83.1	76.5	73.5	75.8	78.0	79.4	79.4
42.5°	2353.4	893.6	119.1	91.2	76.5	69.1	67.7	69.9	72.1	73.5	73.5
45°	2388.7	789.9	106.6	80.9	69.9	61.0	61.0	64.0	63.2	64.0	64.0
47.5°	2404.9	707.5	94.1	69.9	59.6	53.0	53.7	55.2	53.7	55.2	55.2
50°	2365.2	624.4	83.1	58.1	49.3	46.3	47.8	47.1	47.1	50.0	50.0
52.5°	2292.4	562.6	73.5	49.3	41.9	41.2	42.7	39.7	40.4	40.4	39.7
55°	2238.7	527.3	65.5	42.7	36.0	36.8	36.0	30.9	27.9	25.0	24.3
57.5°	2212.2	513.3	59.6	38.2	32.4	32.4	29.4	21.3	16.2	12.5	11.0
60°	2206.4	496.4	53.7	33.1	28.7	27.2	21.3	12.5	8.1	5.9	5.1
62.5°	2150.5	455.2	48.5	26.5	25.0	22.1	13.2	7.4	4.4	2.9	2.2
65°	1967.3	374.3	43.4	20.6	19.1	16.2	8.1	4.4	2.2	0.7	0.0
67.5°	1565.0	265.5	38.2	15.4	13.2	10.3	5.1	2.9	0.7	0.0	0.0
70°	902.4	143.4	31.6	11.0	8.8	6.6	3.7	1.5	0.0	0.0	0.0
72.5°	301.5	66.9	24.3	7.4	6.6	5.1	2.2	0.7	0.0	0.0	0.0
75°	66.2	39.7	16.2	5.1	4.4	3.7	1.5	0.0	0.0	0.0	0.0
77.5°	25.0	27.9	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°	5.1	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)