

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: P635054

Luminaire Tested: GWS-SA3D-722-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635054
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-SA3D-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: 10870.5 lumens
Efficiency: N/A
Efficacy: 90.0 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

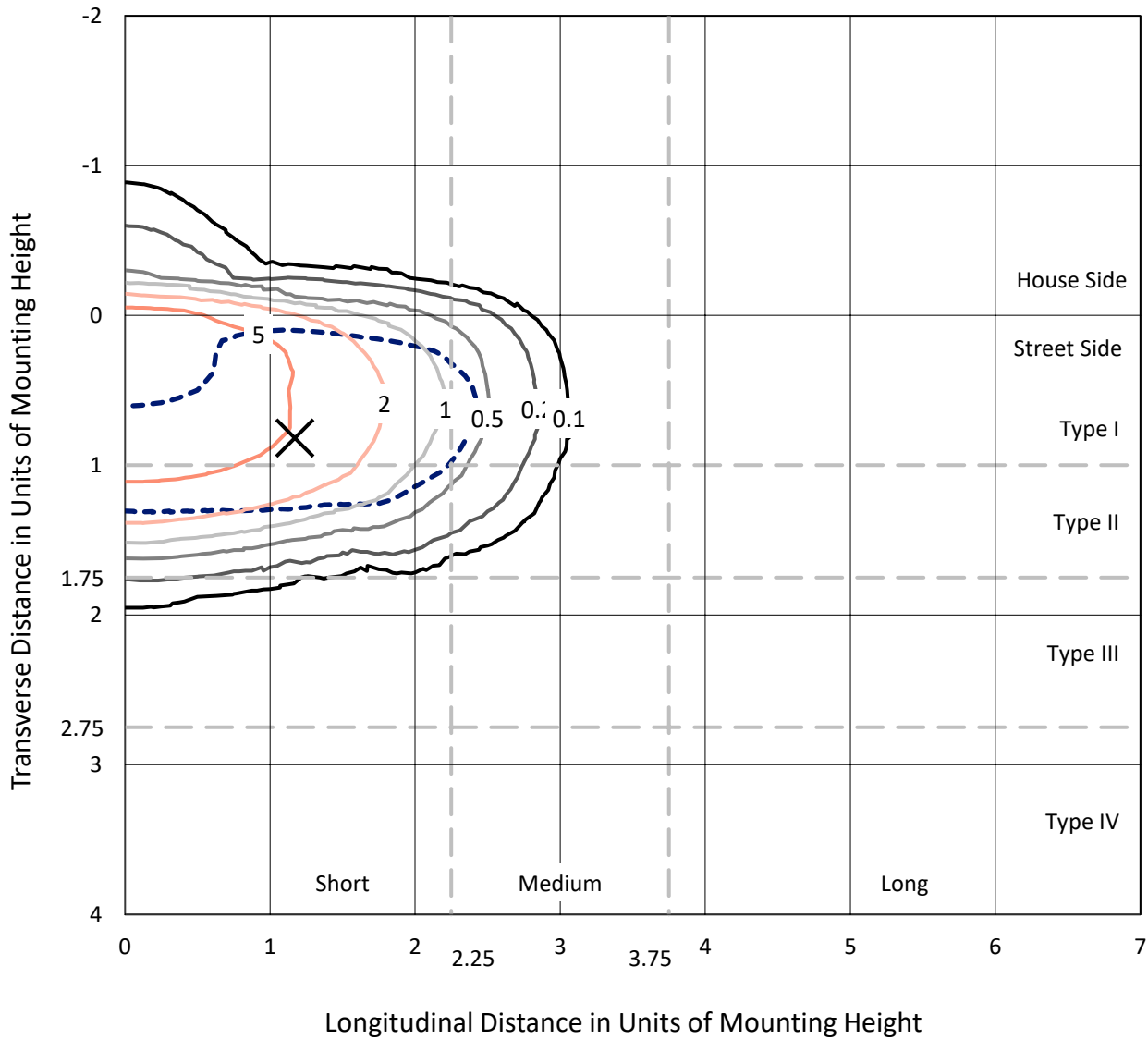
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

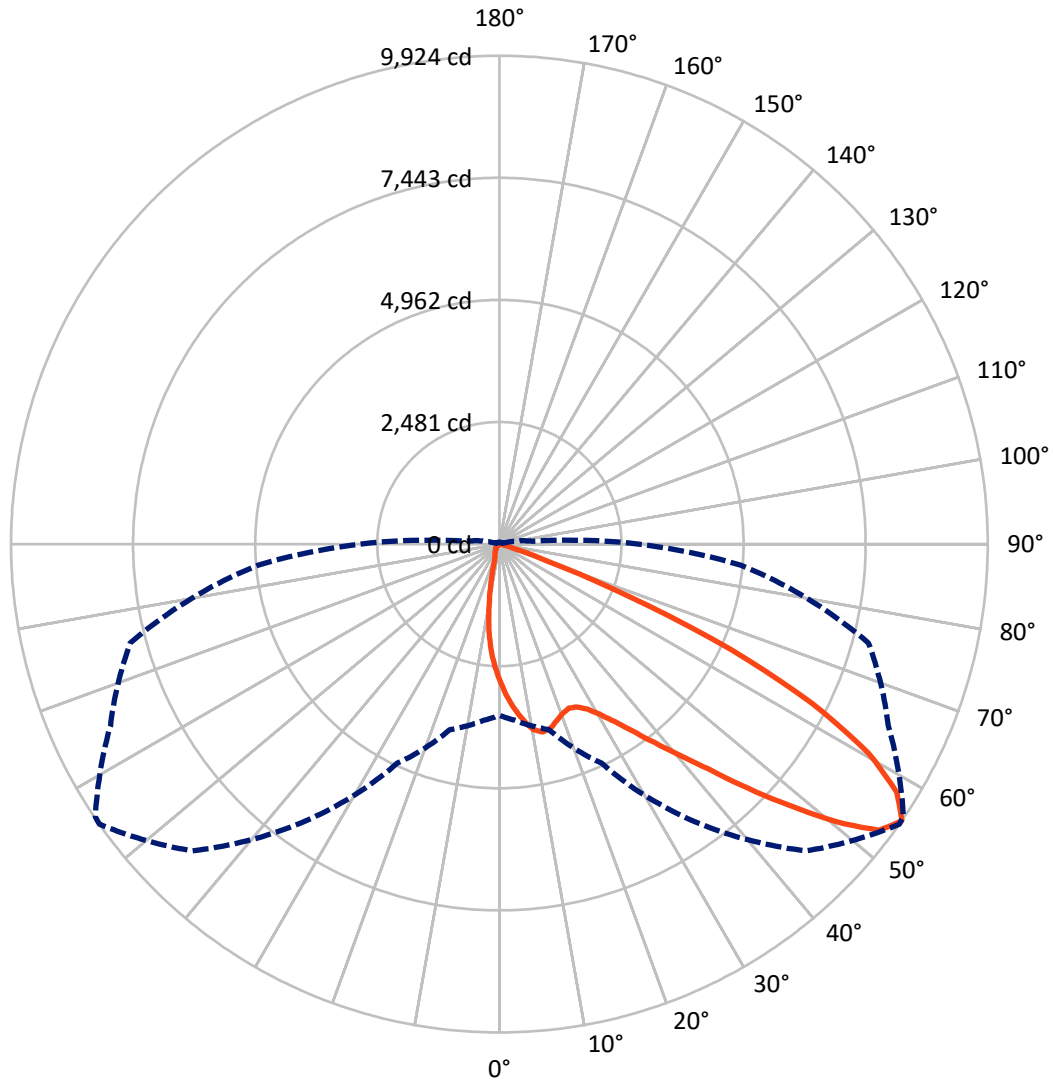
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.2 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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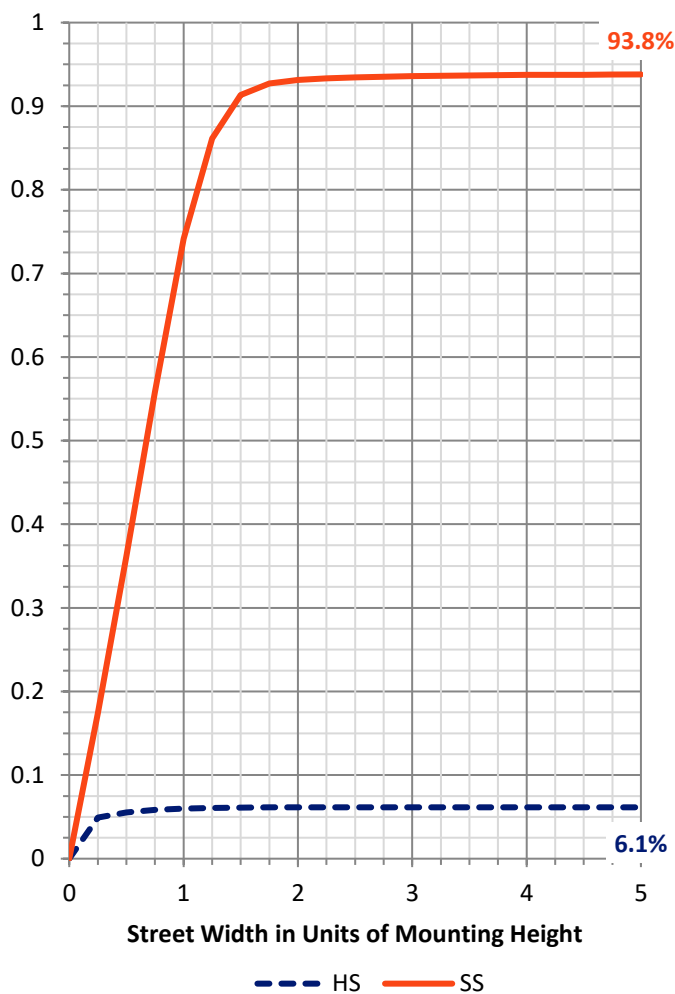
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	670.7	0.0	670.7
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	10199.7	0.0	10199.7
	% Fixture	93.8	0.0	93.8
Total	Lumens	10870.5	0.0	10870.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	248.2	2.3
10°-20°	598.4	5.5
20°-30°	996.5	9.2
30°-40°	1698.1	15.6
40°-50°	2771.8	25.5
50°-60°	2902.0	26.7
60°-70°	1463.7	13.5
70°-80°	184.9	1.7
80°-90°	7.0	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°	10870.5	100.0
0°-180°	10870.5	100.0

Coefficient of Utilization



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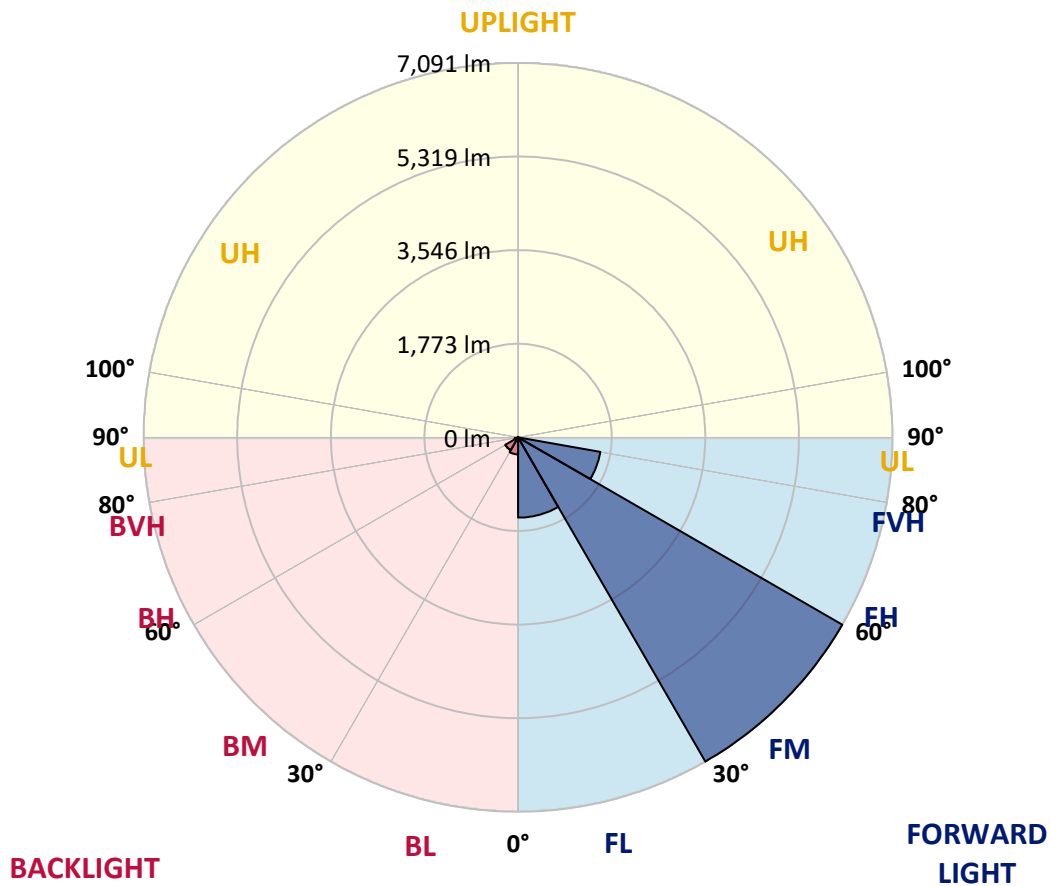
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1520.6	14.0			
FM (30°-60°)	7091.4	65.2			
FH (60°-80°)	1581.3	14.5			G1/1800
FVH (80°-90°)	6.4	0.1			G0/10
BL (0°-30°)	322.4	3.0	B1/500		
BM (30°-60°)	280.4	2.6	B1/1000		
BH (60°-80°)	67.3	0.6	B0/110		G0/110
BVH (80°-90°)	0.6	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°	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3
2.5°	3273.9	3258.1	3282.2	3254.4	3207.0	3167.0	3115.0	3096.4	3012.7	2933.8	2857.6
5°	3671.6	3676.3	3668.8	3629.8	3562.9	3488.5	3383.5	3360.3	3214.4	3063.9	2901.2
7.5°	3770.1	3767.3	3783.1	3798.0	3786.8	3749.7	3635.4	3612.1	3430.9	3205.1	2968.1
10°	3466.2	3468.1	3500.6	3601.0	3725.5	3854.7	3837.0	3824.0	3646.5	3364.9	3042.5
12.5°	3036.9	3053.6	3088.0	3231.1	3442.1	3735.7	3917.9	3930.9	3844.5	3540.6	3129.8
15°	2851.0	2854.8	2882.6	2969.1	3126.1	3488.5	3883.5	3919.7	4009.9	3717.1	3224.6
17.5°	2846.4	2851.0	2863.1	2901.2	3003.5	3294.3	3772.9	3836.1	4134.4	3906.7	3338.0
20°	3021.1	3018.3	3010.0	2989.5	3034.1	3230.2	3670.7	3740.4	4202.2	4091.6	3452.3
22.5°	3338.0	3334.3	3297.1	3212.5	3176.3	3288.7	3620.5	3683.7	4243.1	4256.1	3546.2
25°	3703.2	3729.2	3659.5	3531.3	3442.1	3438.4	3665.1	3709.7	4278.4	4402.0	3610.3
27.5°	4103.7	4112.1	4052.6	3908.6	3779.4	3678.1	3794.3	3827.7	4317.5	4532.1	3646.5
30°	4543.3	4540.5	4472.7	4305.4	4148.3	4002.4	4011.7	4024.7	4408.5	4680.8	3686.5
32.5°	5092.5	5104.6	4983.8	4756.1	4567.4	4365.8	4296.1	4297.9	4573.0	4872.2	3746.9
35°	5838.7	5809.0	5649.1	5324.8	5003.3	4785.8	4666.9	4656.6	4826.7	5129.7	3851.9
37.5°	6549.6	6552.4	6385.1	6028.3	5622.2	5279.3	5111.1	5083.2	5183.6	5486.5	4026.6
40°	7043.1	7052.3	6982.7	6795.9	6365.6	5880.5	5633.3	5604.5	5646.3	5938.1	4255.2
42.5°	7304.2	7330.2	7349.7	7393.4	7067.2	6631.4	6251.3	6248.5	6204.8	6453.0	4520.0
45°	7314.4	7353.4	7472.4	7770.7	7807.9	7488.2	7074.6	7012.4	6844.2	7004.0	4757.0
47.5°	6910.2	7000.3	7253.1	7844.1	8234.4	8340.3	7930.5	7892.4	7420.3	7439.9	4934.5
50°	5967.9	6061.7	6527.3	7467.7	8342.2	9016.9	8870.0	8791.0	7901.7	7727.9	5020.0
52.5°	5001.4	5086.9	5402.9	6571.9	7895.2	9229.7	9661.8	9567.9	8333.8	7828.3	4984.7
55°	3480.2	3594.5	3903.0	4912.2	6865.6	8815.2	9923.8	9904.3	8719.5	7765.1	4929.9
57.5°	1706.2	1819.5	2127.1	3028.5	5086.0	7696.3	9523.3	9626.5	8949.9	7697.3	4885.3
60°	712.8	759.2	865.2	1328.9	2845.5	5816.4	8619.1	8762.2	8808.7	7605.3	4880.6
62.5°	413.5	421.0	432.1	551.1	1106.8	3334.3	7149.9	7353.4	8066.2	7483.5	4807.2
65°	312.2	315.0	310.4	338.3	457.2	1264.8	5165.9	5442.8	6732.7	7007.7	4517.3
67.5°	256.5	256.5	244.4	250.0	287.1	473.9	2852.0	3238.6	4981.9	5759.7	3730.2
70°	204.4	209.1	203.5	196.1	205.4	262.1	1014.8	1258.3	2901.2	3401.2	2175.5
72.5°	155.2	155.2	164.5	158.9	152.4	164.5	354.1	397.7	1164.4	1418.1	785.2
75°	119.9	123.6	130.1	124.5	115.2	97.6	170.1	180.3	351.3	329.9	175.6
77.5°	61.3	62.3	82.7	91.1	85.5	59.5	74.3	81.8	114.3	102.2	65.0
80°	37.2	39.0	46.5	71.6	56.7	31.6	30.7	32.5	53.9	46.5	26.9
82.5°	15.8	16.7	26.0	26.0	23.2	12.1	12.1	12.1	26.0	24.2	11.2
85°	0.0	0.0	4.6	3.7	3.7	4.6	4.6	4.6	6.5	9.3	5.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	2.8	2.8
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°	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3	2808.3
2.5°	2808.3	2748.8	2668.9	2596.4	2498.8	2444.0	2367.8	2305.6	2252.6	2235.9	2228.4
5°	2809.2	2707.0	2536.0	2365.0	2155.0	1989.6	1819.5	1684.8	1574.2	1538.9	1529.6
7.5°	2827.8	2677.3	2400.3	2090.0	1738.7	1448.8	1189.5	957.2	849.4	813.1	805.7
10°	2852.9	2652.2	2243.3	1760.1	1255.5	882.8	625.4	476.7	406.1	367.1	372.6
12.5°	2885.4	2631.7	2069.5	1403.2	830.8	485.1	343.8	288.1	273.2	265.8	262.1
15°	2929.1	2607.6	1853.9	1049.2	509.2	312.2	264.8	250.0	244.4	240.7	239.8
17.5°	2973.7	2579.7	1634.6	737.9	338.3	259.3	237.9	230.5	226.7	224.0	223.0
20°	3021.1	2532.3	1377.2	508.3	266.7	233.3	219.3	210.9	206.3	201.7	200.7
22.5°	3041.6	2456.1	1130.9	355.9	237.0	214.7	197.0	186.8	181.2	177.5	177.5
25°	3022.0	2332.5	876.3	270.4	215.6	194.2	176.6	165.4	160.8	157.0	157.0
27.5°	2970.0	2173.6	639.3	224.0	192.4	172.8	156.1	145.9	142.2	140.3	140.3
30°	2912.4	1972.9	450.7	192.4	166.3	150.5	136.6	130.1	129.2	127.3	127.3
32.5°	2863.1	1785.2	310.4	169.1	146.8	131.0	121.7	118.9	119.9	118.0	118.9
35°	2836.2	1601.2	230.5	150.5	131.0	116.2	111.5	111.5	111.5	110.6	110.6
37.5°	2847.3	1419.9	187.7	137.5	117.1	105.9	101.3	103.2	105.0	105.0	105.0
40°	2903.1	1259.2	166.3	125.5	105.0	96.6	92.9	95.7	98.5	100.4	100.4
42.5°	2973.7	1129.1	150.5	115.2	96.6	87.4	85.5	88.3	91.1	92.9	92.9
45°	3018.3	998.1	134.7	102.2	88.3	77.1	77.1	80.8	79.9	80.8	80.8
47.5°	3038.8	894.0	118.9	88.3	75.3	66.9	67.8	69.7	67.8	69.7	69.7
50°	2988.6	789.0	105.0	73.4	62.3	58.5	60.4	59.5	59.5	63.2	63.2
52.5°	2896.6	710.9	92.9	62.3	53.0	52.0	53.9	50.2	51.1	51.1	50.2
55°	2828.7	666.3	82.7	53.9	45.5	46.5	45.5	39.0	35.3	31.6	30.7
57.5°	2795.3	648.6	75.3	48.3	40.9	40.9	37.2	26.9	20.4	15.8	13.9
60°	2787.9	627.3	67.8	41.8	36.2	34.4	26.9	15.8	10.2	7.4	6.5
62.5°	2717.2	575.2	61.3	33.5	31.6	27.9	16.7	9.3	5.6	3.7	2.8
65°	2485.8	473.0	54.8	26.0	24.2	20.4	10.2	5.6	2.8	0.9	0.0
67.5°	1977.5	335.5	48.3	19.5	16.7	13.0	6.5	3.7	0.9	0.0	0.0
70°	1140.2	181.2	40.0	13.9	11.2	8.4	4.6	1.9	0.0	0.0	0.0
72.5°	381.0	84.6	30.7	9.3	8.4	6.5	2.8	0.9	0.0	0.0	0.0
75°	83.6	50.2	20.4	6.5	5.6	4.6	1.9	0.0	0.0	0.0	0.0
77.5°	31.6	35.3	10.2	4.6	3.7	2.8	0.9	0.0	0.0	0.0	0.0
80°	12.1	23.2	4.6	2.8	2.8	0.9	0.0	0.0	0.0	0.0	0.0
82.5°	6.5	9.3	2.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.7	4.6	1.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.9	0.9	0.9	0.9	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)