

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: P634724

Luminaire Tested: GWS-SA3C-735-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634724
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-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: 11537.7 lumens
Efficiency: N/A
Efficacy: 124.1 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

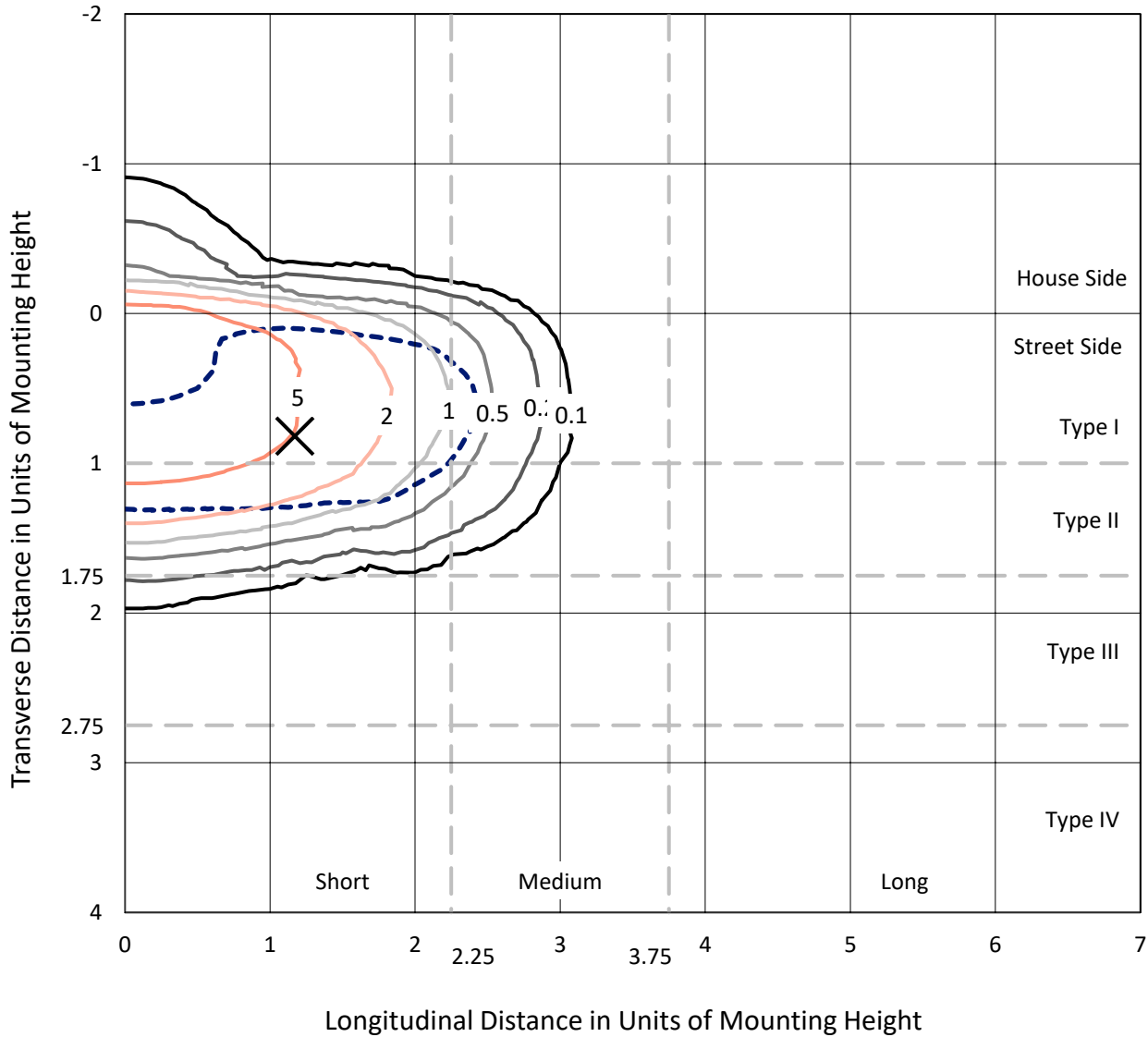
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

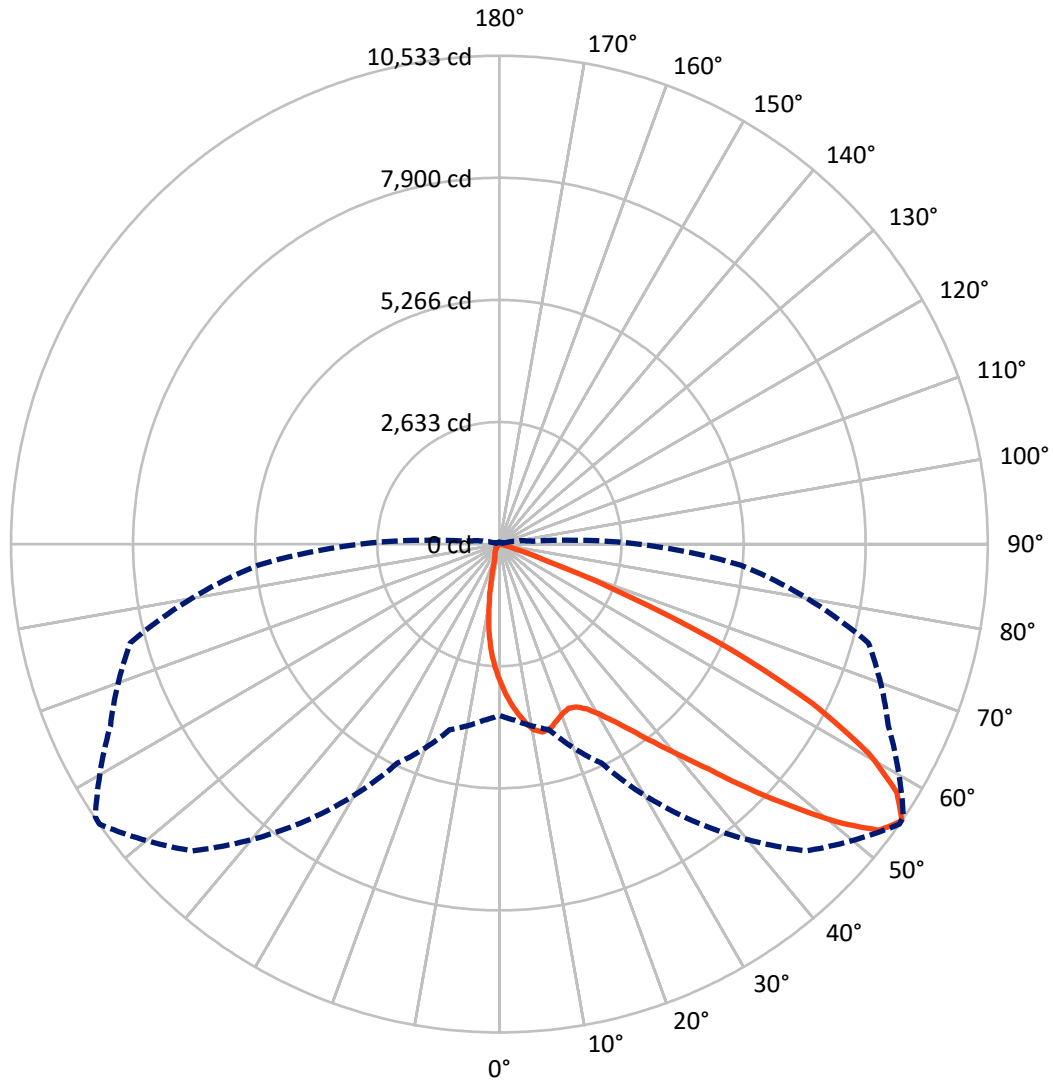
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 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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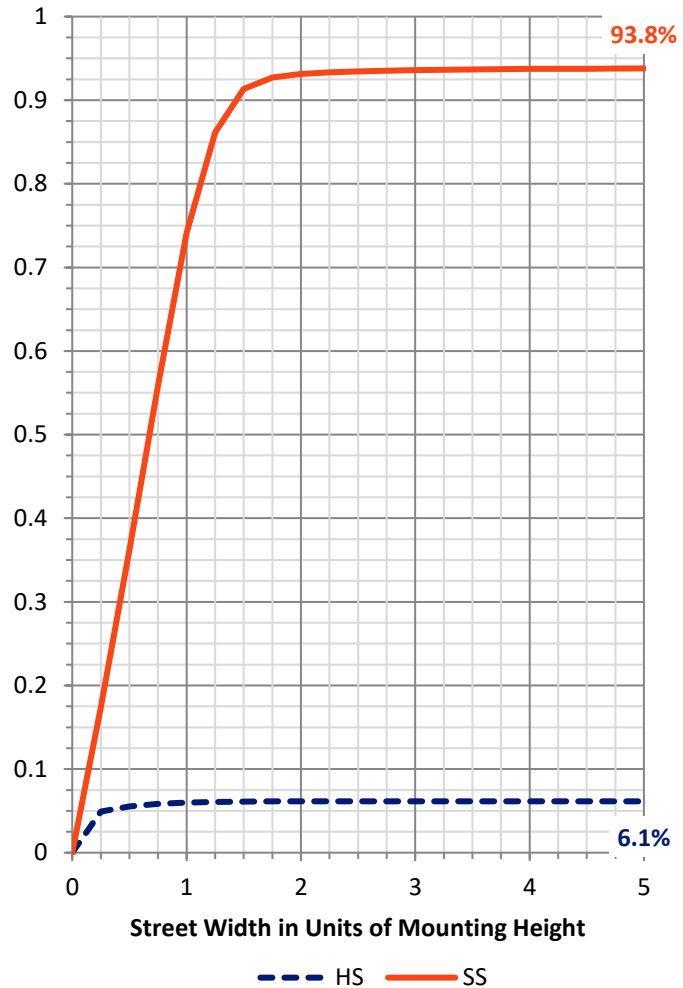
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	711.9	0.0	711.9
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	10825.8	0.0	10825.8
	% Fixture	93.8	0.0	93.8
Total	Lumens	11537.7	0.0	11537.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.4	2.3
10°-20°	635.1	5.5
20°-30°	1057.6	9.2
30°-40°	1802.3	15.6
40°-50°	2942.0	25.5
50°-60°	3080.1	26.7
60°-70°	1553.5	13.5
70°-80°	196.2	1.7
80°-90°	7.5	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°	11537.7	100.0
0°-180°	11537.7	100.0

Coefficient of Utilization



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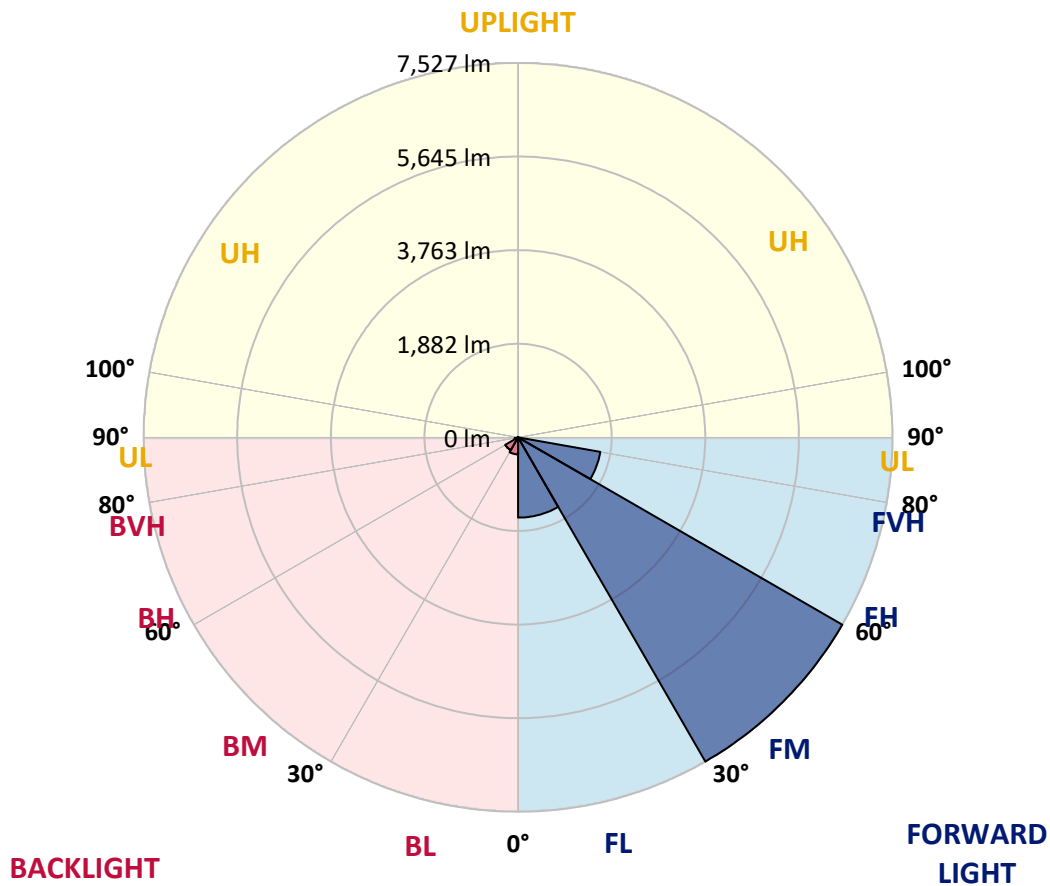
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.0	14.0			
FM (30°-60°)	7526.7	65.2			
FH (60°-80°)	1678.4	14.5			G1/1800
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	342.2	3.0	B1/500		
BM (30°-60°)	297.7	2.6	B1/1000		
BH (60°-80°)	71.4	0.6	B0/110		G0/110
BVH (80°-90°)	0.7	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°	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7
2.5°	3474.8	3458.0	3483.7	3454.1	3403.8	3361.4	3306.2	3286.4	3197.7	3113.8	3032.9
5°	3897.0	3901.9	3894.0	3852.6	3781.6	3702.7	3591.2	3566.5	3411.7	3251.9	3079.3
7.5°	4001.5	3998.6	4015.3	4031.1	4019.3	3979.8	3858.5	3833.8	3641.5	3401.8	3150.3
10°	3679.0	3681.0	3715.5	3822.0	3954.2	4091.3	4072.5	4058.7	3870.3	3571.5	3229.2
12.5°	3223.3	3241.1	3277.5	3429.4	3653.3	3965.0	4158.3	4172.1	4080.4	3757.9	3321.9
15°	3026.0	3030.0	3059.6	3151.3	3318.0	3702.7	4121.8	4160.3	4256.0	3945.3	3422.5
17.5°	3021.1	3026.0	3038.9	3079.3	3187.8	3496.5	4004.5	4071.5	4388.1	4146.5	3542.9
20°	3206.5	3203.6	3194.7	3173.0	3220.3	3428.5	3896.0	3969.9	4460.1	4342.8	3664.2
22.5°	3542.9	3538.9	3499.5	3409.7	3371.2	3490.6	3842.7	3909.8	4503.5	4517.4	3763.8
25°	3930.5	3958.1	3884.1	3748.0	3653.3	3649.4	3890.1	3937.4	4541.0	4672.2	3831.9
27.5°	4355.6	4364.5	4301.4	4148.5	4011.4	3903.9	4027.2	4062.7	4582.5	4810.3	3870.3
30°	4822.1	4819.2	4747.2	4569.6	4402.9	4248.1	4258.0	4271.8	4679.1	4968.1	3912.7
32.5°	5405.0	5417.9	5289.6	5048.0	4847.8	4633.7	4559.8	4561.7	4853.7	5171.3	3976.9
35°	6197.1	6165.5	5995.9	5651.6	5310.4	5079.6	4953.3	4942.5	5123.0	5444.5	4088.3
37.5°	6951.6	6954.6	6777.0	6398.3	5967.2	5603.3	5424.8	5395.2	5501.7	5823.2	4273.7
40°	7475.3	7485.2	7411.2	7213.0	6756.3	6241.4	5979.1	5948.5	5992.9	6302.6	4516.4
42.5°	7752.5	7780.1	7800.8	7847.2	7501.0	7038.4	6635.0	6632.0	6585.7	6849.0	4797.5
45°	7763.3	7804.8	7931.0	8247.6	8287.1	7947.8	7508.9	7442.8	7264.3	7433.9	5049.0
47.5°	7334.3	7430.0	7698.2	8325.5	8739.8	8852.2	8417.3	8376.8	7875.8	7896.5	5237.4
50°	6334.2	6433.8	6927.9	7926.1	8854.2	9570.3	9414.4	9330.6	8386.7	8202.3	5328.1
52.5°	5308.4	5399.1	5734.5	6975.3	8379.8	9796.2	10254.8	10155.2	8845.3	8308.8	5290.6
55°	3693.8	3815.1	4142.6	5213.7	7286.9	9356.3	10532.9	10512.2	9254.7	8241.7	5232.4
57.5°	1810.9	1931.2	2257.7	3214.4	5398.1	8168.7	10107.8	10217.3	9499.3	8169.7	5185.1
60°	756.5	805.8	918.3	1410.4	3020.1	6173.4	9148.1	9300.0	9349.3	8072.1	5180.2
62.5°	438.9	446.8	458.6	584.9	1174.7	3538.9	7588.8	7804.8	8561.3	7942.9	5102.2
65°	331.4	334.4	329.4	359.0	485.3	1342.4	5483.0	5776.9	7145.9	7437.9	4794.5
67.5°	272.2	272.2	259.4	265.3	304.8	503.0	3027.0	3437.3	5287.7	6113.2	3959.1
70°	217.0	221.9	216.0	208.1	218.0	278.1	1077.1	1335.5	3079.3	3609.9	2309.0
72.5°	164.7	164.7	174.6	168.7	161.8	174.6	375.8	422.1	1235.9	1505.1	833.4
75°	127.2	131.2	138.1	132.2	122.3	103.6	180.5	191.3	372.8	350.1	186.4
77.5°	65.1	66.1	87.8	96.7	90.7	63.1	78.9	86.8	121.3	108.5	69.0
80°	39.5	41.4	49.3	75.9	60.2	33.5	32.5	34.5	57.2	49.3	28.6
82.5°	16.8	17.8	27.6	27.6	24.7	12.8	12.8	12.8	27.6	25.6	11.8
85°	0.0	0.0	4.9	3.9	3.9	4.9	4.9	4.9	6.9	9.9	5.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	3.0	3.0
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°	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7	2980.7
2.5°	2980.7	2917.5	2832.7	2755.8	2652.2	2594.0	2513.1	2447.1	2390.8	2373.1	2365.2
5°	2981.7	2873.2	2691.7	2510.2	2287.3	2111.7	1931.2	1788.2	1670.8	1633.3	1623.5
7.5°	3001.4	2841.6	2547.7	2218.2	1845.4	1537.7	1262.5	1015.9	901.5	863.0	855.1
10°	3028.0	2815.0	2381.0	1868.1	1332.5	937.0	663.8	506.0	431.0	389.6	395.5
12.5°	3062.5	2793.3	2196.5	1489.3	881.8	514.9	364.9	305.8	290.0	282.1	278.1
15°	3108.9	2767.6	1967.7	1113.6	540.5	331.4	281.1	265.3	259.4	255.5	254.5
17.5°	3156.2	2738.0	1734.9	783.1	359.0	275.2	252.5	244.6	240.7	237.7	236.7
20°	3206.5	2687.7	1461.7	539.5	283.1	247.6	232.8	223.9	219.0	214.0	213.0
22.5°	3228.2	2606.8	1200.4	377.8	251.5	227.8	209.1	198.3	192.3	188.4	188.4
25°	3207.5	2475.7	930.1	287.0	228.8	206.1	187.4	175.6	170.6	166.7	166.7
27.5°	3152.3	2307.0	678.6	237.7	204.2	183.5	165.7	154.9	150.9	148.9	148.9
30°	3091.1	2094.0	478.4	204.2	176.6	159.8	145.0	138.1	137.1	135.1	135.1
32.5°	3038.9	1894.7	329.4	179.5	155.8	139.1	129.2	126.2	127.2	125.3	126.2
35°	3010.3	1699.4	244.6	159.8	139.1	123.3	118.4	118.4	118.4	117.4	117.4
37.5°	3022.1	1507.1	199.2	146.0	124.3	112.4	107.5	109.5	111.5	111.5	111.5
40°	3081.3	1336.5	176.6	133.2	111.5	102.6	98.6	101.6	104.6	106.5	106.5
42.5°	3156.2	1198.4	159.8	122.3	102.6	92.7	90.7	93.7	96.7	98.6	98.6
45°	3203.6	1059.3	143.0	108.5	93.7	81.9	81.9	85.8	84.8	85.8	85.8
47.5°	3225.3	948.8	126.2	93.7	79.9	71.0	72.0	74.0	72.0	74.0	74.0
50°	3172.0	837.4	111.5	77.9	66.1	62.1	64.1	63.1	63.1	67.1	67.1
52.5°	3074.4	754.5	98.6	66.1	56.2	55.2	57.2	53.3	54.2	54.2	53.3
55°	3002.4	707.2	87.8	57.2	48.3	49.3	48.3	41.4	37.5	33.5	32.5
57.5°	2966.9	688.5	79.9	51.3	43.4	43.4	39.5	28.6	21.7	16.8	14.8
60°	2959.0	665.8	72.0	44.4	38.5	36.5	28.6	16.8	10.8	7.9	6.9
62.5°	2884.0	610.5	65.1	35.5	33.5	29.6	17.8	9.9	5.9	3.9	3.0
65°	2638.4	502.0	58.2	27.6	25.6	21.7	10.8	5.9	3.0	1.0	0.0
67.5°	2098.9	356.1	51.3	20.7	17.8	13.8	6.9	3.9	1.0	0.0	0.0
70°	1210.2	192.3	42.4	14.8	11.8	8.9	4.9	2.0	0.0	0.0	0.0
72.5°	404.4	89.8	32.5	9.9	8.9	6.9	3.0	1.0	0.0	0.0	0.0
75°	88.8	53.3	21.7	6.9	5.9	4.9	2.0	0.0	0.0	0.0	0.0
77.5°	33.5	37.5	10.8	4.9	3.9	3.0	1.0	0.0	0.0	0.0	0.0
80°	12.8	24.7	4.9	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	6.9	9.9	3.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	3.9	4.9	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.0	1.0	1.0	1.0	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)