

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: P635494

Luminaire Tested: GWS-SA3D-830-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635494
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-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11723.4 lumens
Efficiency: N/A
Efficacy: 97.0 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

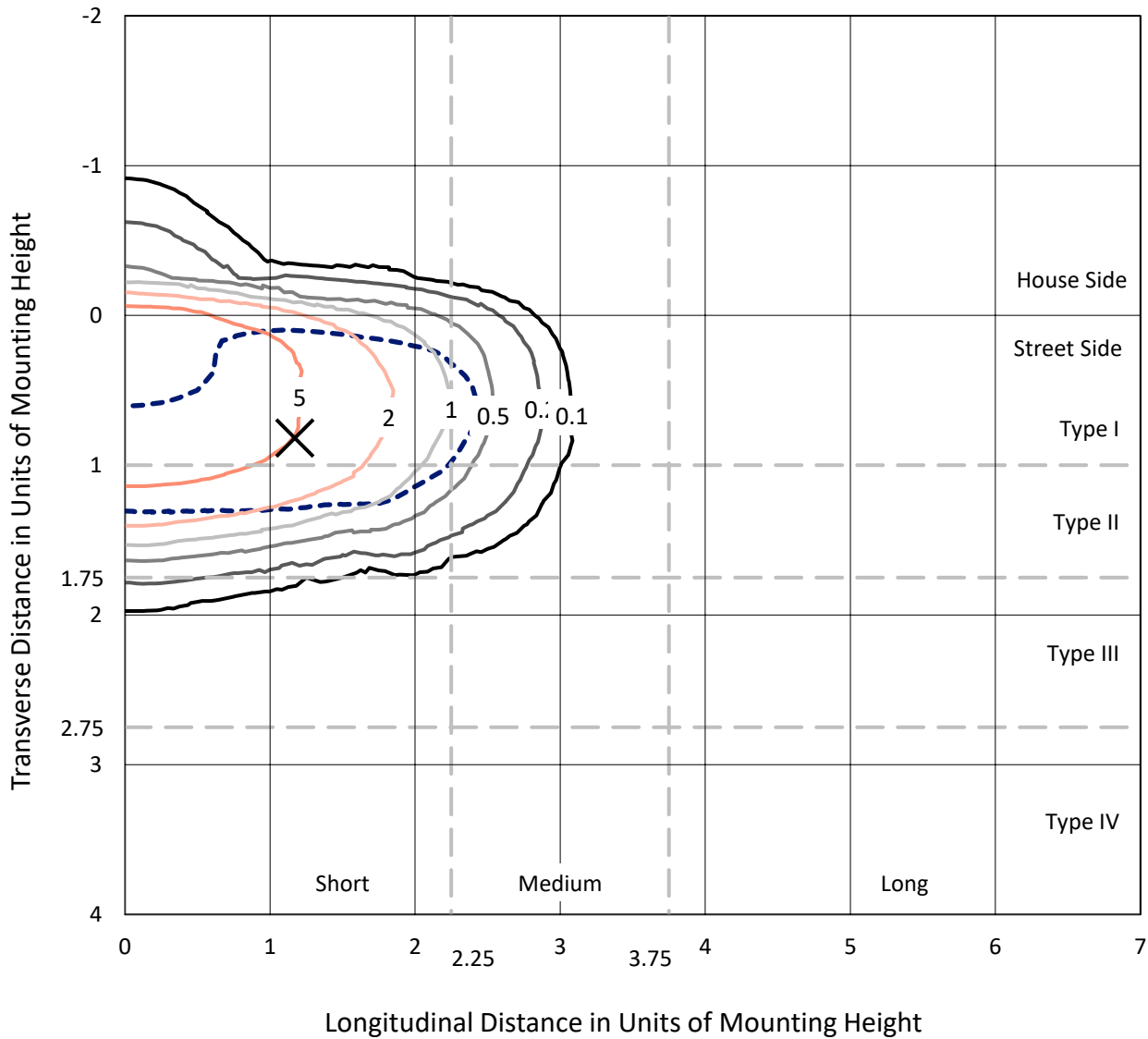
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635494
 CATALOG NUMBER: GWS-SA3D-830-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

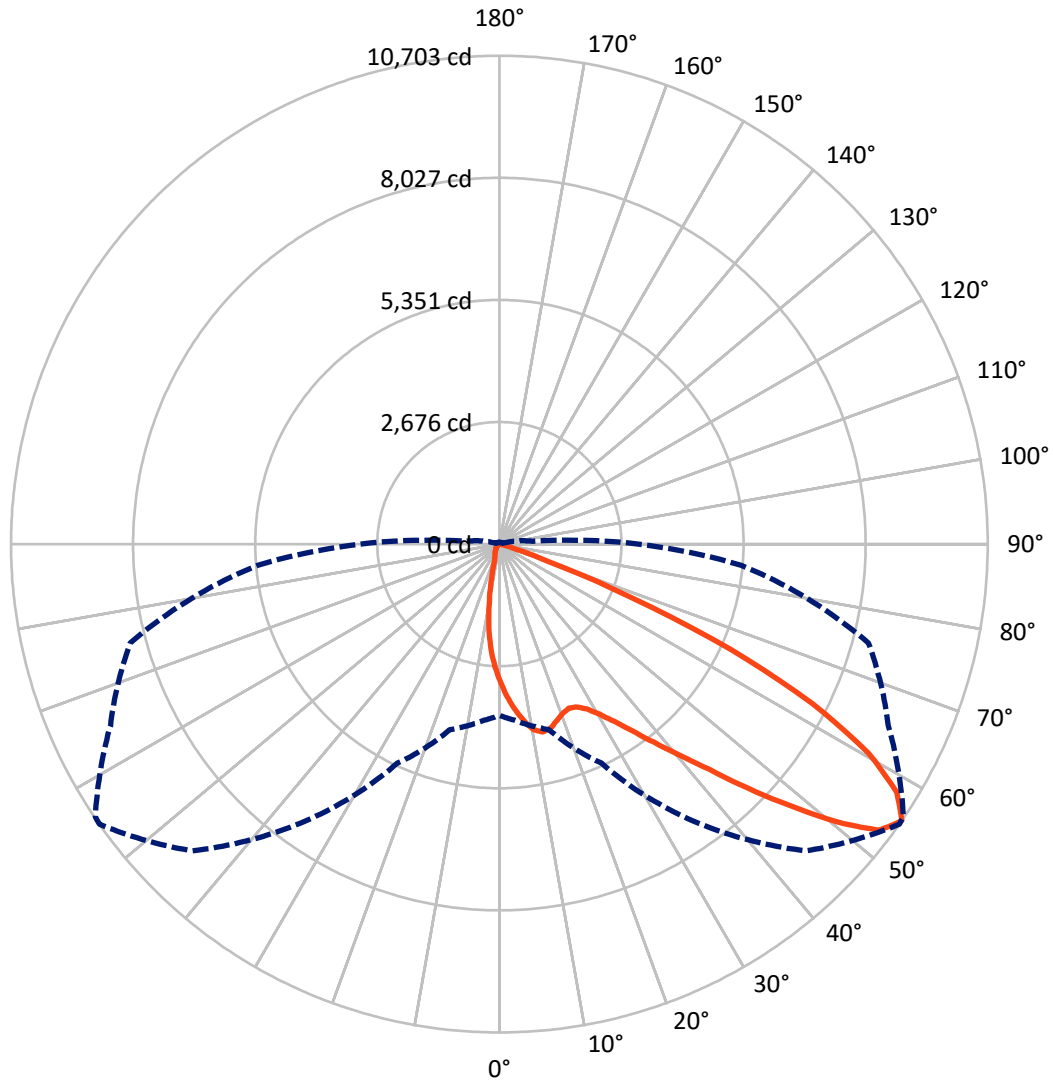
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

REPORT NUMBER: P635494
CATALOG NUMBER: GWS-SA3D-830-U-AFL-W-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635494
 CATALOG NUMBER: GWS-SA3D-830-U-AFL-W-HSS

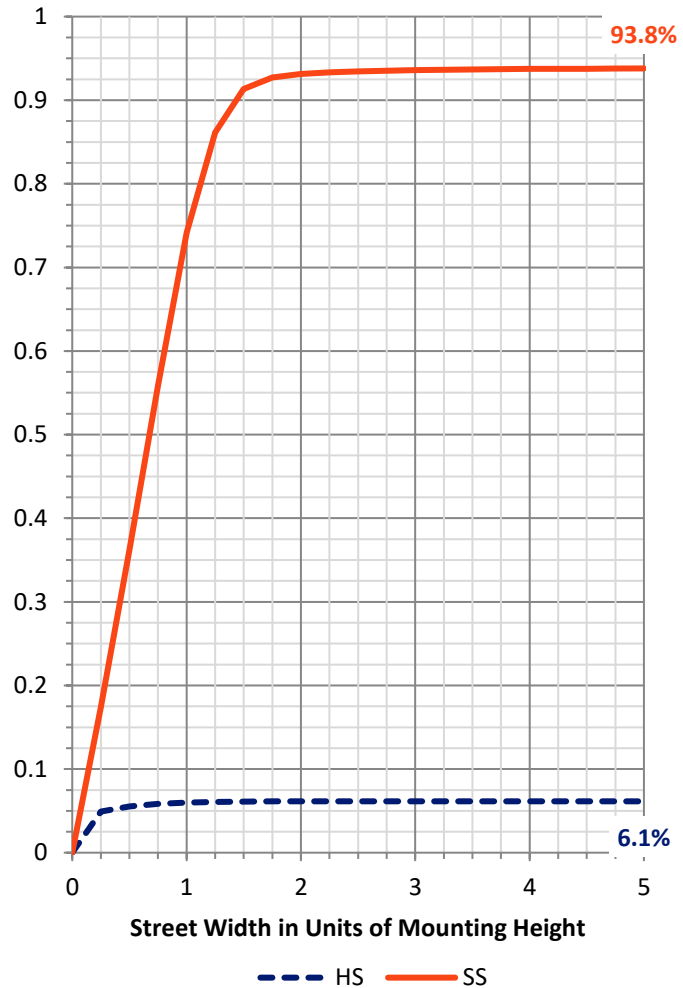
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	723.4	0.0	723.4
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	11000.0	0.0	11000.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	11723.4	0.0	11723.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	267.7	2.3
10°-20°	645.3	5.5
20°-30°	1074.7	9.2
30°-40°	1831.3	15.6
40°-50°	2989.3	25.5
50°-60°	3129.7	26.7
60°-70°	1578.5	13.5
70°-80°	199.4	1.7
80°-90°	7.6	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°	11723.4	100.0
0°-180°	11723.4	100.0

Coefficient of Utilization



REPORT NUMBER: P635494

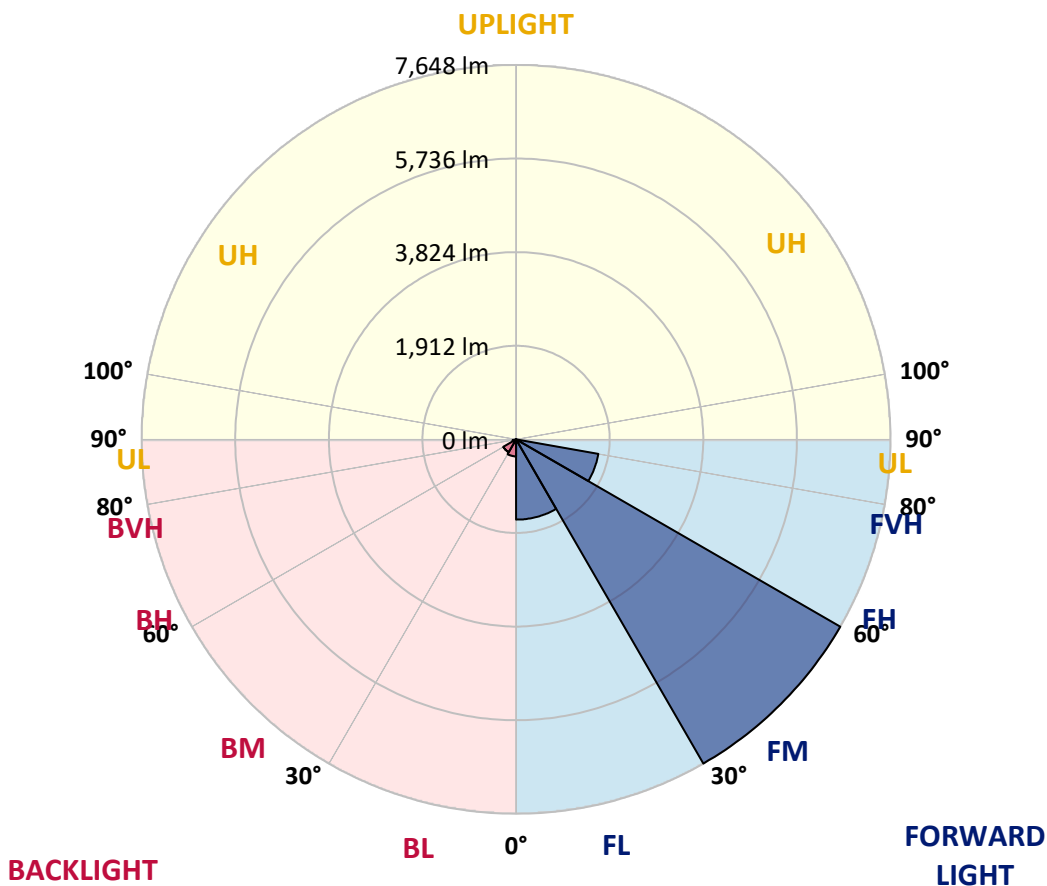
CATALOG NUMBER: GWS-SA3D-830-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1639.9	14.0			
FM (30°-60°)	7647.8	65.2			
FH (60°-80°)	1705.4	14.5			G1/1800
FVH (80°-90°)	6.9	0.1			G0/10
BL (0°-30°)	347.7	3.0	B1/500		
BM (30°-60°)	302.4	2.6	B1/1000		
BH (60°-80°)	72.6	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





REPORT NUMBER: P635494

CATALOG NUMBER: GWS-SA3D-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6
2.5°	3530.7	3513.7	3539.8	3509.7	3458.6	3415.5	3359.4	3339.3	3249.1	3163.9	3081.8
5°	3959.7	3964.7	3956.7	3914.6	3842.4	3762.2	3649.0	3623.9	3466.6	3304.2	3128.9
7.5°	4065.9	4062.9	4079.9	4096.0	4084.0	4043.9	3920.6	3895.5	3700.1	3456.6	3201.0
10°	3738.2	3740.2	3775.3	3883.5	4017.8	4157.1	4138.1	4124.0	3932.6	3629.0	3281.2
12.5°	3275.2	3293.2	3330.3	3484.6	3712.1	4028.8	4225.3	4239.3	4146.1	3818.4	3375.4
15°	3074.7	3078.7	3108.8	3202.0	3371.4	3762.2	4188.2	4227.3	4324.5	4008.8	3477.6
17.5°	3069.7	3074.7	3087.8	3128.9	3239.1	3552.8	4068.9	4137.1	4458.8	4213.2	3599.9
20°	3258.1	3255.1	3246.1	3224.1	3272.2	3483.6	3958.7	4033.8	4531.9	4412.7	3723.2
22.5°	3599.9	3595.9	3555.8	3464.6	3425.5	3546.8	3904.6	3972.7	4576.0	4590.1	3824.4
25°	3993.8	4021.8	3946.7	3808.3	3712.1	3708.1	3952.7	4000.8	4614.1	4747.4	3893.5
27.5°	4425.7	4434.7	4370.6	4215.2	4075.9	3966.7	4092.0	4128.1	4656.2	4887.7	3932.6
30°	4899.7	4896.7	4823.6	4643.2	4473.8	4316.5	4326.5	4340.5	4754.4	5048.1	3975.7
32.5°	5492.0	5505.1	5374.8	5129.2	4925.8	4708.3	4633.2	4635.2	4931.8	5254.5	4040.9
35°	6296.8	6264.7	6092.4	5742.6	5395.8	5161.3	5033.0	5022.0	5205.4	5532.1	4154.1
37.5°	7063.5	7066.5	6886.1	6501.3	6063.3	5693.5	5512.1	5482.0	5590.3	5917.0	4342.5
40°	7595.7	7605.7	7530.5	7329.1	6865.1	6341.9	6075.3	6044.3	6089.4	6404.0	4589.1
42.5°	7877.3	7905.3	7926.4	7973.5	7621.7	7151.7	6741.8	6738.8	6691.7	6959.3	4874.7
45°	7888.3	7930.4	8058.7	8380.4	8420.5	8075.7	7629.7	7562.6	7381.2	7553.6	5130.2
47.5°	7452.3	7549.6	7822.1	8459.5	8880.5	8994.7	8552.8	8511.7	8002.5	8023.6	5321.7
50°	6436.1	6537.3	7039.4	8053.7	8996.7	9724.3	9566.0	9480.8	8521.7	8334.3	5413.9
52.5°	5393.8	5486.0	5826.8	7087.5	8514.7	9953.8	10419.8	10318.6	8987.7	8442.5	5375.8
55°	3753.2	3876.5	4209.2	5297.6	7404.2	9506.8	10702.5	10681.4	9403.6	8374.4	5316.7
57.5°	1840.0	1962.3	2294.0	3266.2	5485.0	8300.2	10270.5	10381.8	9652.2	8301.2	5268.6
60°	768.7	818.8	933.0	1433.1	3068.7	6272.8	9295.4	9449.7	9499.8	8202.0	5263.5
62.5°	446.0	454.0	466.0	594.3	1193.6	3595.9	7710.9	7930.4	8699.1	8070.7	5184.4
65°	336.7	339.7	334.7	364.8	493.1	1364.0	5571.2	5869.9	7260.9	7557.6	4871.7
67.5°	276.6	276.6	263.6	269.6	309.7	511.1	3075.7	3492.7	5372.8	6211.6	4022.8
70°	220.5	225.5	219.5	211.5	221.5	282.6	1094.4	1357.0	3128.9	3668.0	2346.1
72.5°	167.4	167.4	177.4	171.4	164.4	177.4	381.8	428.9	1255.8	1529.4	846.9
75°	129.3	133.3	140.3	134.3	124.3	105.2	183.4	194.4	378.8	355.8	189.4
77.5°	66.1	67.1	89.2	98.2	92.2	64.1	80.2	88.2	123.3	110.2	70.2
80°	40.1	42.1	50.1	77.2	61.1	34.1	33.1	35.1	58.1	50.1	29.1
82.5°	17.0	18.0	28.1	28.1	25.1	13.0	13.0	13.0	28.1	26.1	12.0
85°	0.0	0.0	5.0	4.0	4.0	5.0	5.0	5.0	7.0	10.0	6.0
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



REPORT NUMBER: P635494
 CATALOG NUMBER: GWS-SA3D-830-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6	3028.6
2.5°	3028.6	2964.5	2878.3	2800.1	2694.9	2635.8	2553.6	2486.5	2429.3	2411.3	2403.3
5°	3029.6	2919.4	2735.0	2550.6	2324.1	2145.7	1962.3	1817.0	1697.7	1659.6	1649.6
7.5°	3049.7	2887.3	2588.7	2253.9	1875.1	1562.4	1282.8	1032.3	916.0	876.9	868.9
10°	3076.7	2860.3	2419.3	1898.2	1354.0	952.1	674.5	514.1	438.0	395.9	401.9
12.5°	3111.8	2838.2	2231.9	1513.3	896.0	523.1	370.8	310.7	294.6	286.6	282.6
15°	3158.9	2812.2	1999.4	1131.5	549.2	336.7	285.6	269.6	263.6	259.6	258.6
17.5°	3207.0	2782.1	1762.9	795.7	364.8	279.6	256.6	248.5	244.5	241.5	240.5
20°	3258.1	2731.0	1485.3	548.2	287.6	251.6	236.5	227.5	222.5	217.5	216.5
22.5°	3280.2	2648.8	1219.7	383.8	255.6	231.5	212.5	201.4	195.4	191.4	191.4
25°	3259.1	2515.5	945.1	291.6	232.5	209.5	190.4	178.4	173.4	169.4	169.4
27.5°	3203.0	2344.1	689.5	241.5	207.5	186.4	168.4	157.3	153.3	151.3	151.3
30°	3140.9	2127.7	486.1	207.5	179.4	162.4	147.3	140.3	139.3	137.3	137.3
32.5°	3087.8	1925.2	334.7	182.4	158.3	141.3	131.3	128.3	129.3	127.3	128.3
35°	3058.7	1726.8	248.5	162.4	141.3	125.3	120.3	120.3	120.3	119.3	119.3
37.5°	3070.7	1531.4	202.4	148.3	126.3	114.3	109.2	111.2	113.2	113.2	113.2
40°	3130.9	1358.0	179.4	135.3	113.2	104.2	100.2	103.2	106.2	108.2	108.2
42.5°	3207.0	1217.7	162.4	124.3	104.2	94.2	92.2	95.2	98.2	100.2	100.2
45°	3255.1	1076.4	145.3	110.2	95.2	83.2	83.2	87.2	86.2	87.2	87.2
47.5°	3277.2	964.1	128.3	95.2	81.2	72.2	73.2	75.2	73.2	75.2	75.2
50°	3223.1	850.9	113.2	79.2	67.1	63.1	65.1	64.1	64.1	68.1	68.1
52.5°	3123.8	766.7	100.2	67.1	57.1	56.1	58.1	54.1	55.1	55.1	54.1
55°	3050.7	718.6	89.2	58.1	49.1	50.1	49.1	42.1	38.1	34.1	33.1
57.5°	3014.6	699.5	81.2	52.1	44.1	44.1	40.1	29.1	22.0	17.0	15.0
60°	3006.6	676.5	73.2	45.1	39.1	37.1	29.1	17.0	11.0	8.0	7.0
62.5°	2930.4	620.4	66.1	36.1	34.1	30.1	18.0	10.0	6.0	4.0	3.0
65°	2680.9	510.1	59.1	28.1	26.1	22.0	11.0	6.0	3.0	1.0	0.0
67.5°	2132.7	361.8	52.1	21.0	18.0	14.0	7.0	4.0	1.0	0.0	0.0
70°	1229.7	195.4	43.1	15.0	12.0	9.0	5.0	2.0	0.0	0.0	0.0
72.5°	410.9	91.2	33.1	10.0	9.0	7.0	3.0	1.0	0.0	0.0	0.0
75°	90.2	54.1	22.0	7.0	6.0	5.0	2.0	0.0	0.0	0.0	0.0
77.5°	34.1	38.1	11.0	5.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0
80°	13.0	25.1	5.0	3.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
82.5°	7.0	10.0	3.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	4.0	5.0	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)