

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: P643723

Luminaire Tested: GWS-SA6F-740-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6F-740-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36538.6 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

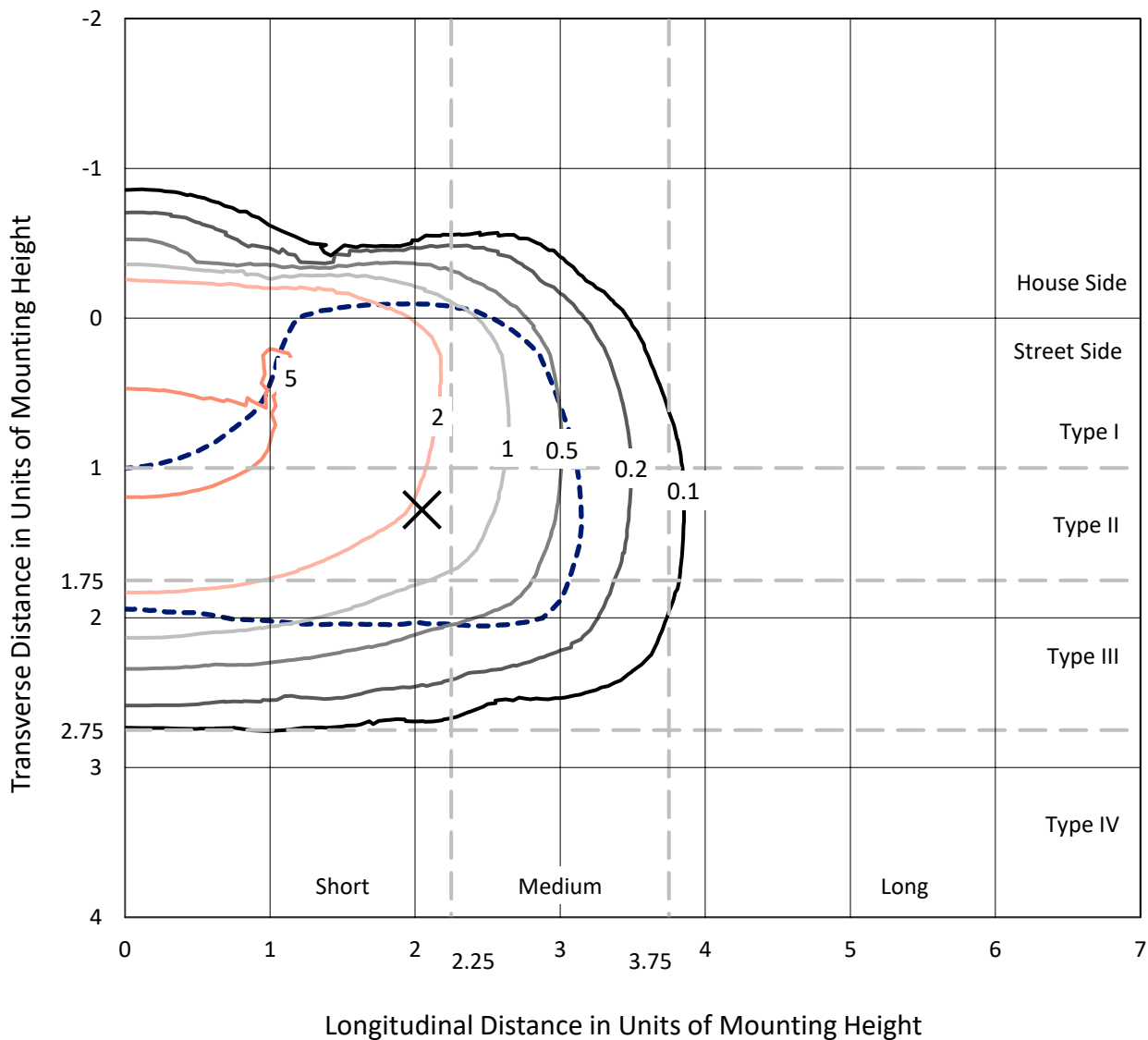
Input Watts (W): 372.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643723
 CATALOG NUMBER: GWS-SA6F-740-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

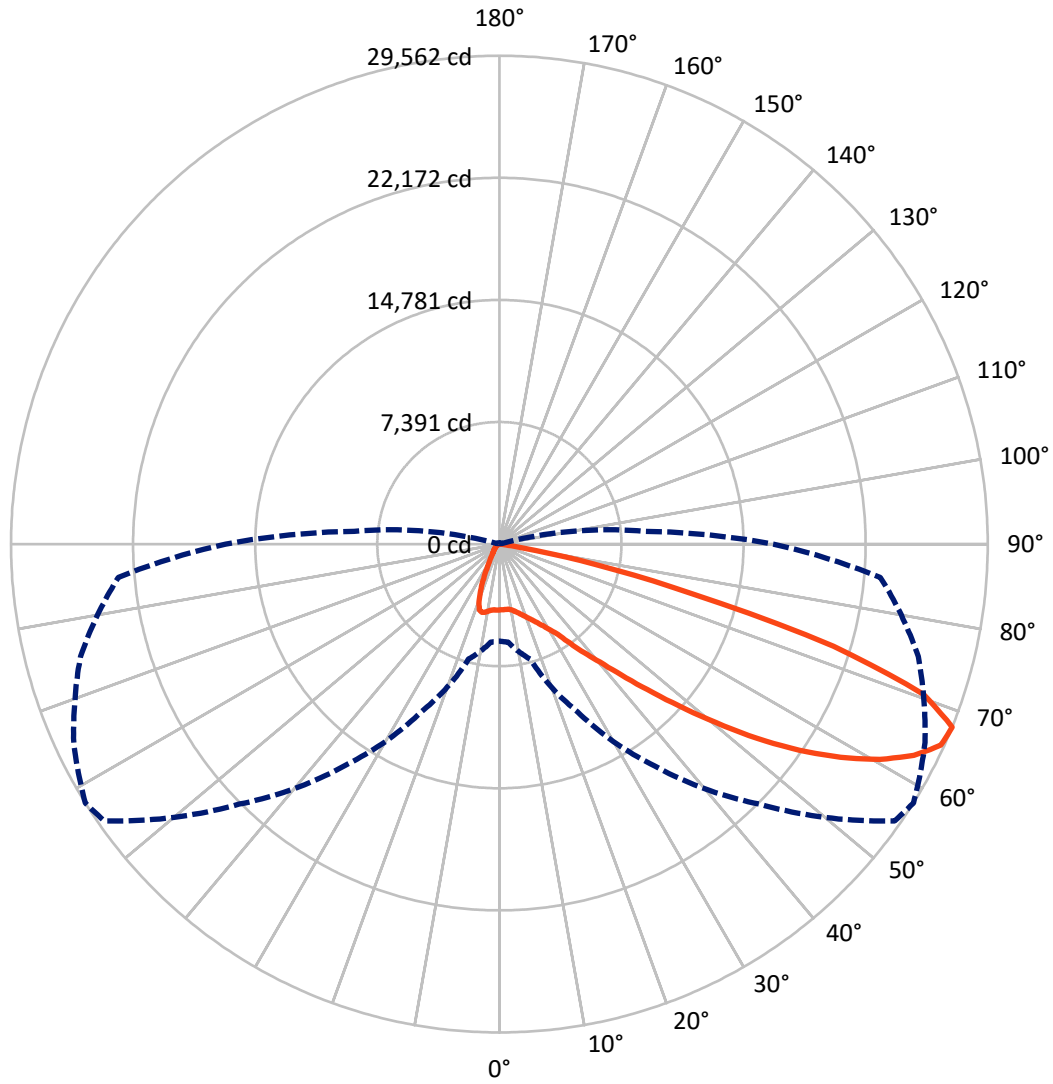
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

REPORT NUMBER: P643723
CATALOG NUMBER: GWS-SA6F-740-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P643723

CATALOG NUMBER: GWS-SA6F-740-U-T3-W-HSS

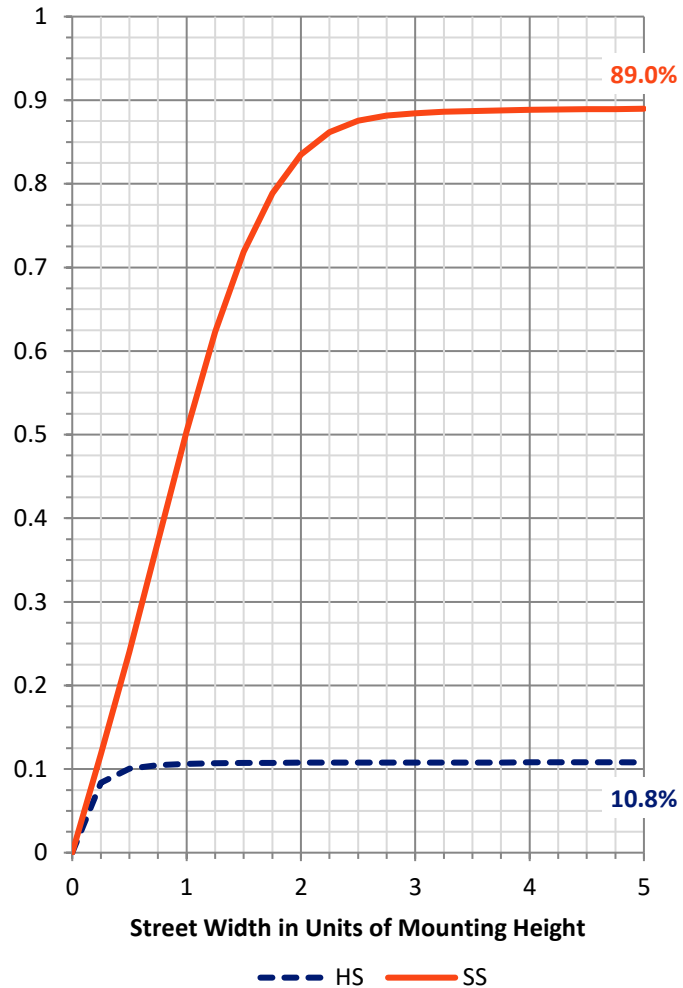
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3986.3	0.0	3986.3
	% Fixture	10.9	0.0	10.9
Street Side	Lumens	32552.3	0.0	32552.3
	% Fixture	89.1	0.0	89.1
Total	Lumens	36538.6	0.0	36538.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	374.0	1.0
10°-20°	1050.2	2.9
20°-30°	1833.1	5.0
30°-40°	3273.6	9.0
40°-50°	5983.6	16.4
50°-60°	9951.3	27.2
60°-70°	10808.8	29.6
70°-80°	3173.6	8.7
80°-90°	90.4	0.2
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°	36538.6	100.0
0°-180°	36538.6	100.0

Coefficient of Utilization



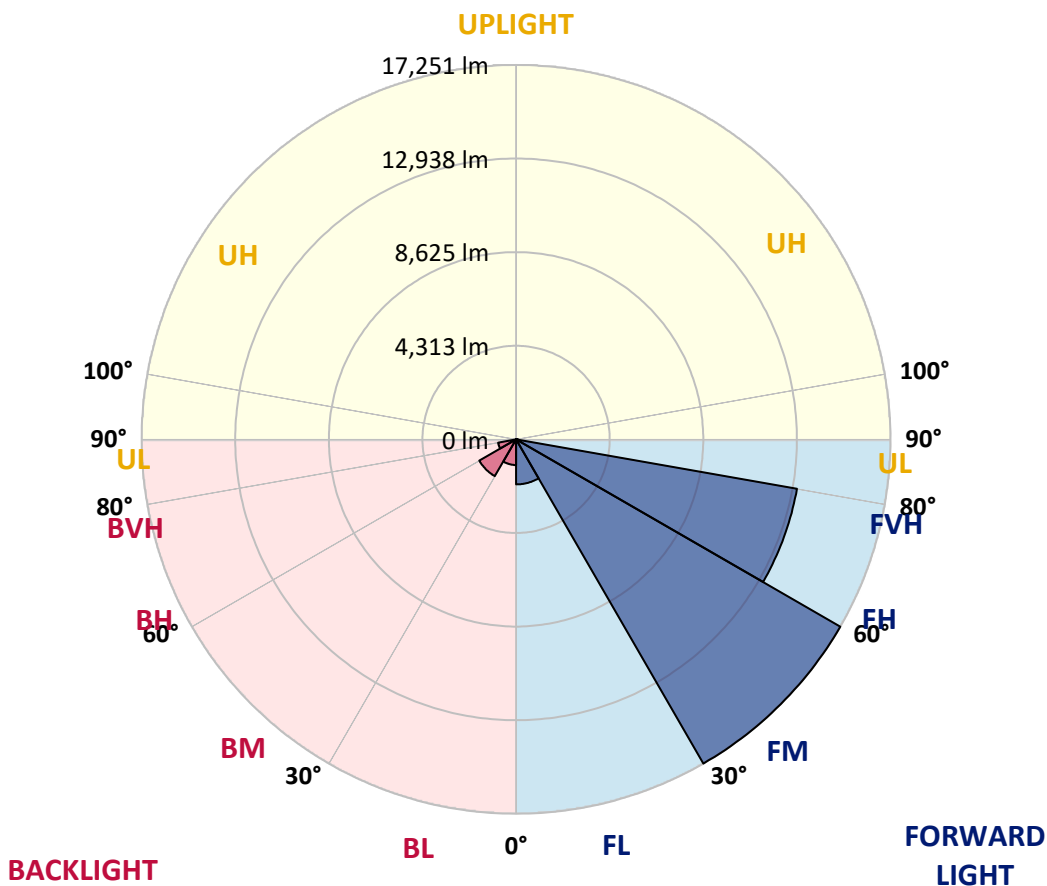
REPORT NUMBER: P643723

CATALOG NUMBER: GWS-SA6F-740-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2074.8	5.7			
FM (30°-60°)	17250.6	47.2			
FH (60°-80°)	13140.9	36.0			G5
FVH (80°-90°)	85.9	0.2			G1/100
BL (0°-30°)	1182.4	3.2	B3/2500		
BM (30°-60°)	1957.9	5.4	B2/2500		
BH (60°-80°)	841.5	2.3	B2/1000		G2/1000
BVH (80°-90°)	4.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





REPORT NUMBER: P643723

CATALOG NUMBER: GWS-SA6F-740-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6
2.5°	3906.7	3899.6	3899.6	3928.1	3931.7	3945.9	3978.0	3981.6	3999.5	3992.3	3967.3
5°	3703.3	3706.9	3728.3	3778.3	3821.1	3874.6	3953.1	3970.9	4010.2	4031.6	4017.3
7.5°	3514.2	3517.8	3549.9	3628.4	3710.5	3817.5	3945.9	3981.6	4060.1	4117.2	4120.8
10°	3442.9	3439.3	3471.4	3560.6	3667.7	3817.5	4003.0	4049.4	4167.1	4267.0	4284.9
12.5°	3464.3	3460.7	3492.8	3574.9	3692.6	3881.7	4102.9	4167.1	4317.0	4470.4	4502.5
15°	3549.9	3546.3	3567.8	3635.5	3764.0	3960.2	4231.4	4327.7	4516.8	4702.3	4752.3
17.5°	3806.8	3789.0	3767.6	3774.7	3849.6	4053.0	4395.5	4513.2	4748.7	4969.9	5012.7
20°	4263.5	4217.1	4160.0	4085.1	4049.4	4188.5	4584.6	4720.1	5005.6	5258.9	5266.0
22.5°	4952.0	4934.2	4802.2	4584.6	4431.2	4434.7	4805.8	4962.7	5312.4	5590.7	5551.4
25°	5911.8	5901.1	5697.7	5340.9	4941.3	4805.8	5087.6	5248.2	5676.3	5972.4	5847.6
27.5°	7103.4	7028.5	6789.4	6307.8	5712.0	5287.4	5444.4	5587.1	6061.6	6339.9	6104.4
30°	8141.6	8145.2	7920.4	7417.4	6746.6	6011.7	5879.7	6004.5	6414.8	6707.4	6422.0
32.5°	9140.6	9172.7	8926.5	8473.4	7738.5	6957.1	6504.0	6525.4	6867.9	7185.5	6839.4
35°	10068.2	10093.2	9921.9	9536.6	8851.6	7945.4	7374.6	7363.8	7549.4	7874.0	7420.9
37.5°	11106.4	11131.4	10963.7	10617.6	9975.4	9076.4	8362.8	8348.5	8423.5	8687.5	8170.2
40°	12212.4	12258.8	12073.3	11780.7	11167.1	10407.1	9511.6	9383.2	9308.3	9618.7	9140.6
42.5°	13332.7	13404.1	13339.8	13047.3	12522.8	11894.9	11003.0	10803.2	10642.6	11031.5	10524.9
45°	14724.1	14809.8	14781.2	14556.4	14149.7	13639.5	12797.5	12565.6	12490.7	12851.1	12248.1
47.5°	16062.0	16154.8	16258.3	16208.3	15919.3	15683.9	14749.1	14617.1	14595.7	14981.0	14046.3
50°	17057.4	17143.1	17539.1	17824.5	18020.7	17970.8	17160.9	16964.7	16932.6	17178.7	15944.3
52.5°	17771.0	17853.1	18398.9	19290.9	20011.5	20404.0	19587.0	19544.2	19369.3	19283.7	17721.0
55°	18324.0	18438.2	19012.6	20361.2	21813.3	22683.8	22173.6	22020.2	21570.7	21078.3	19369.3
57.5°	18434.6	18481.0	19290.9	21110.4	23211.8	24621.1	24621.1	24353.5	23486.5	22805.1	21274.5
60°	17442.8	17585.5	18680.8	21049.8	23811.2	25887.6	26651.1	26465.6	25295.4	24457.0	23108.4
62.5°	15241.5	15402.0	16736.3	19597.7	23211.8	26148.1	28188.8	28160.3	26840.2	25823.4	24628.2
65°	11688.0	11805.7	12968.8	16393.8	20678.7	25145.5	29287.7	29366.2	28060.4	26726.1	25152.7
67.5°	5872.5	5954.6	7210.4	11199.2	16390.3	22259.2	29212.8	29562.4	28431.4	26248.0	23151.2
70°	2051.5	2133.5	2725.8	4805.8	9975.4	16996.8	26686.8	27257.7	26251.5	22405.5	17078.8
72.5°	702.8	742.1	1131.0	1783.9	3881.7	10075.3	20293.4	21153.2	19351.5	15041.7	9814.9
75°	399.6	424.6	606.5	966.9	1626.9	3314.4	11513.1	12041.2	11281.2	8198.7	4038.7
77.5°	271.1	292.6	378.2	549.4	899.1	1066.8	4695.2	5911.8	5155.4	2675.8	1031.1
80°	160.5	174.8	231.9	324.7	460.2	413.9	1006.1	1337.9	1723.2	799.2	310.4
82.5°	74.9	85.6	149.8	214.1	231.9	174.8	296.1	360.3	485.2	392.5	128.4
85°	0.0	0.0	49.9	89.2	85.6	49.9	82.1	89.2	132.0	196.2	49.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.6	7.1	10.7	21.4	39.2	21.4
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: P643723

CATALOG NUMBER: GWS-SA6F-740-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6	3981.6
2.5°	3995.9	3970.9	3999.5	3985.2	3999.5	3995.9	3967.3	3949.5	3949.5	3917.4	3906.7
5°	4045.8	4020.9	4028.0	3995.9	3988.8	3970.9	3935.2	3921.0	3921.0	3888.9	3878.2
7.5°	4156.4	4117.2	4110.1	4045.8	4017.3	3967.3	3903.1	3878.2	3874.6	3842.5	3831.8
10°	4331.3	4284.9	4252.8	4170.7	4088.6	3988.8	3853.2	3739.0	3674.8	3589.2	3582.0
12.5°	4545.3	4488.2	4438.3	4313.4	4177.8	3953.1	3553.5	3136.1	2879.2	2675.8	2690.1
15°	4784.4	4730.8	4652.4	4463.3	4185.0	3599.9	2765.0	2122.8	1808.9	1641.2	1634.0
17.5°	5044.8	4966.3	4837.9	4581.0	3960.2	2750.7	1798.1	1270.1	1106.0	1048.9	1034.6
20°	5287.4	5191.1	5030.5	4606.0	3310.9	1862.4	1123.8	984.7	956.2	938.3	938.3
22.5°	5544.3	5423.0	5183.9	4413.3	2461.8	1191.6	956.2	924.0	902.6	877.7	874.1
25°	5804.7	5647.8	5323.1	3910.3	1612.6	938.3	895.5	859.8	820.6	781.3	770.6
27.5°	6025.9	5822.6	5430.1	3161.0	1034.6	845.6	817.0	756.4	702.8	660.0	652.9
30°	6290.0	6029.5	5476.5	2311.9	813.4	745.7	702.8	638.6	574.4	531.6	517.3
32.5°	6643.2	6357.7	5405.2	1505.6	720.7	656.5	588.7	513.8	449.5	403.2	396.0
35°	7192.6	6853.7	5076.9	959.7	652.9	567.3	485.2	406.7	353.2	317.5	310.4
37.5°	7863.3	7549.4	4538.2	720.7	585.1	492.4	396.0	321.1	281.9	256.9	249.7
40°	8858.7	8419.9	3871.0	631.5	517.3	417.4	324.7	264.0	235.5	214.1	206.9
42.5°	10150.3	9447.4	3103.9	574.4	453.1	349.6	264.0	217.6	192.7	178.4	174.8
45°	11659.4	10450.0	2294.1	517.3	392.5	289.0	217.6	178.4	160.5	149.8	146.3
47.5°	13204.3	11327.6	1584.1	456.7	335.4	239.0	182.0	153.4	139.1	124.9	121.3
50°	14852.6	12069.7	1081.0	396.0	285.4	196.2	157.0	139.1	121.3	110.6	107.0
52.5°	16062.0	12344.4	752.8	342.5	242.6	167.7	139.1	124.9	110.6	96.3	92.8
55°	17178.7	12337.3	570.8	289.0	206.9	146.3	124.9	110.6	96.3	85.6	82.1
57.5°	18291.9	12241.0	449.5	246.2	178.4	132.0	110.6	96.3	89.2	74.9	71.4
60°	19012.6	11877.1	349.6	206.9	153.4	114.2	96.3	85.6	74.9	64.2	60.7
62.5°	19394.3	11370.4	267.6	164.1	124.9	99.9	85.6	74.9	64.2	53.5	49.9
65°	18877.0	10471.4	210.5	128.4	96.3	85.6	71.4	60.7	49.9	39.2	35.7
67.5°	16582.9	8830.2	164.1	103.5	74.9	64.2	60.7	49.9	35.7	28.5	25.0
70°	11720.1	6047.3	128.4	78.5	57.1	49.9	46.4	39.2	28.5	21.4	17.8
72.5°	6432.7	3050.4	92.8	57.1	42.8	39.2	35.7	32.1	25.0	17.8	17.8
75°	2476.0	838.4	67.8	39.2	28.5	28.5	25.0	25.0	21.4	14.3	14.3
77.5°	645.8	249.7	42.8	25.0	17.8	17.8	17.8	14.3	14.3	10.7	10.7
80°	206.9	82.1	25.0	17.8	14.3	10.7	10.7	7.1	10.7	7.1	7.1
82.5°	67.8	28.5	14.3	14.3	10.7	7.1	7.1	3.6	3.6	0.0	0.0
85°	25.0	14.3	10.7	7.1	7.1	7.1	3.6	0.0	0.0	0.0	0.0
87.5°	14.3	7.1	7.1	7.1	7.1	3.6	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)