

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: P636053

Luminaire Tested: GWS-SA3F-722-U-SL3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636053
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-32)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-722-U-SL3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10534.1 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

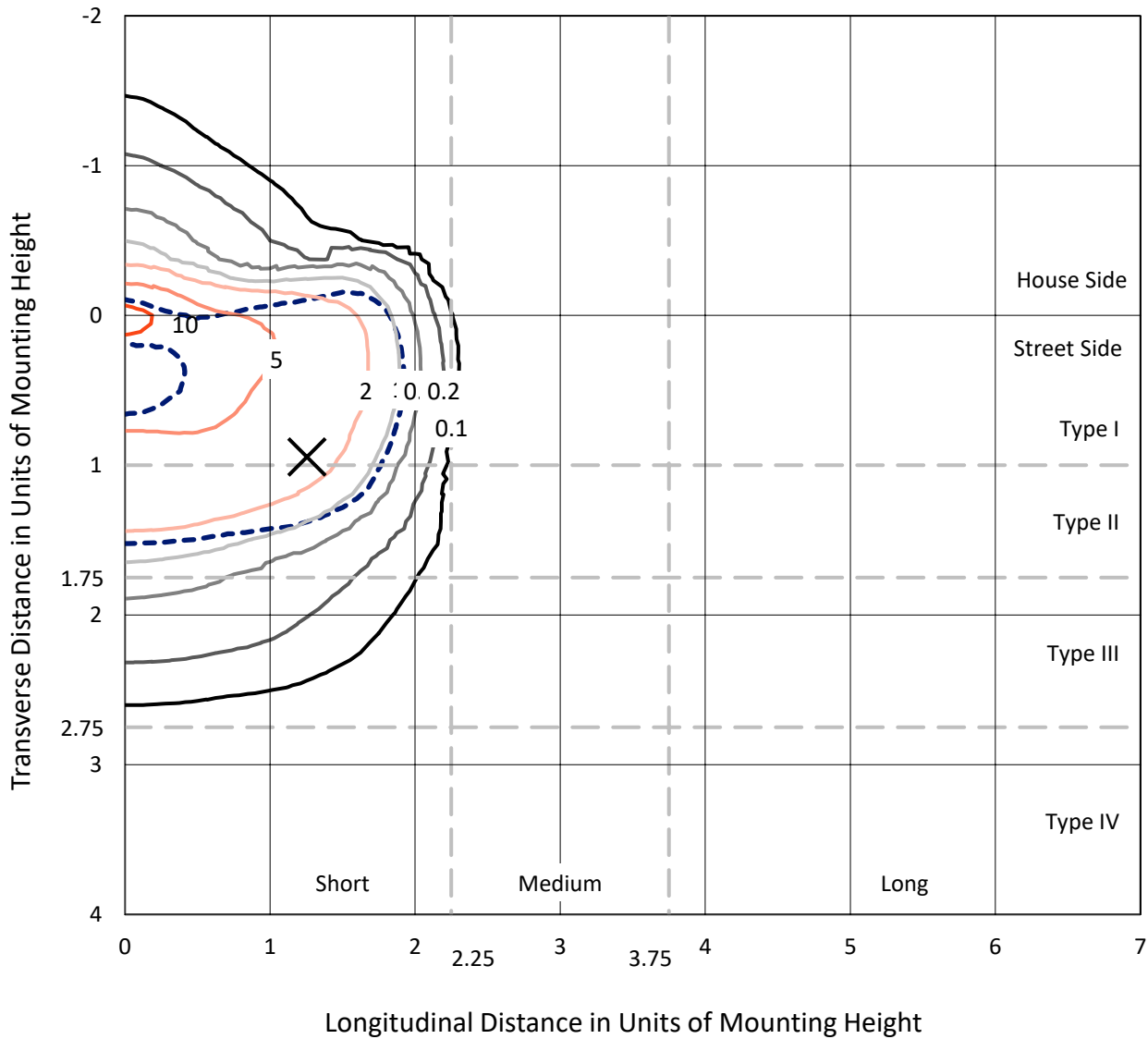
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

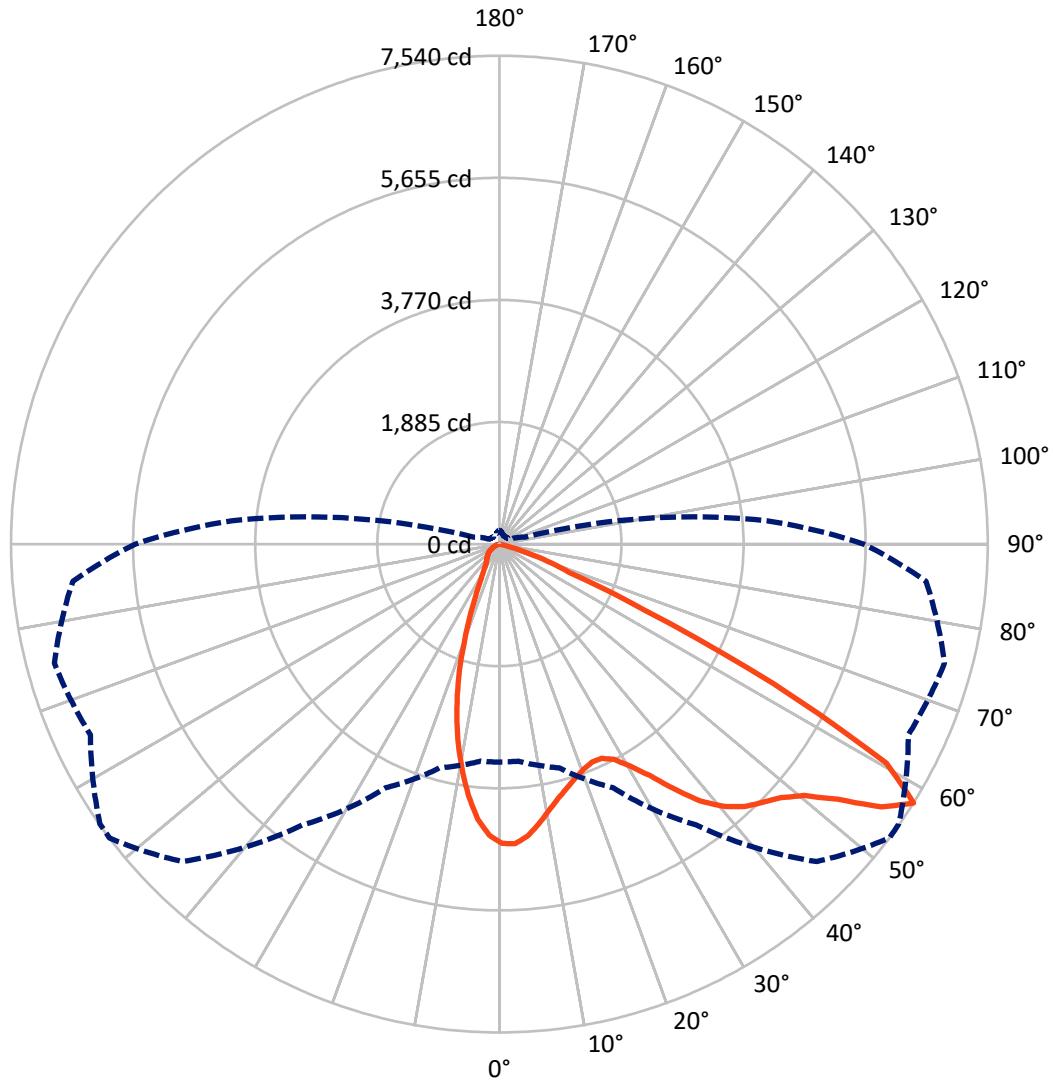
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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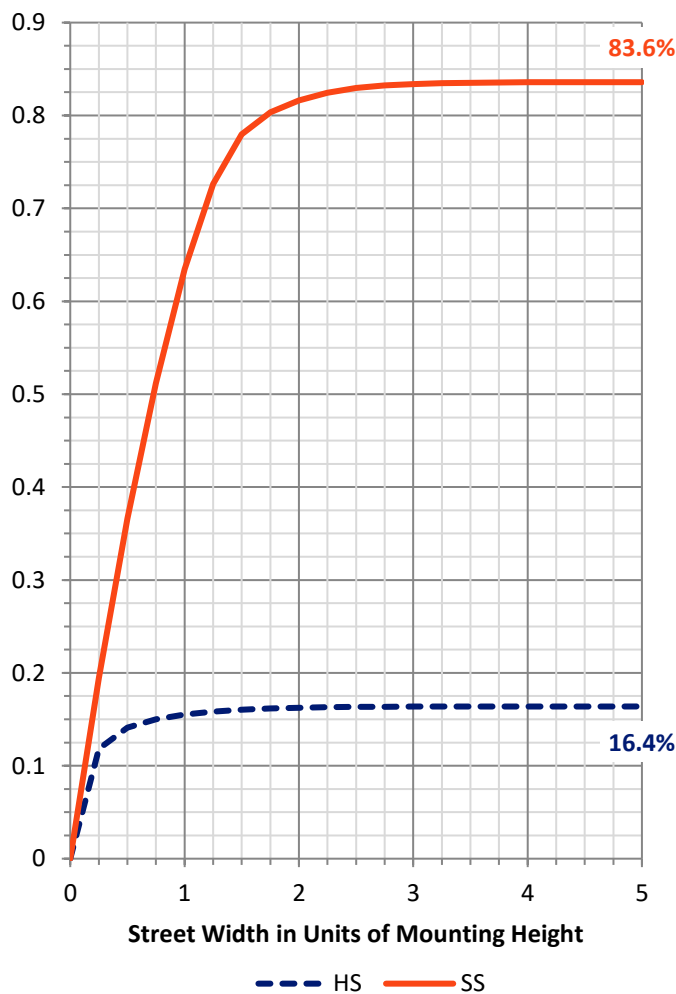
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1740.1	0.0	1740.1
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	8794.0	0.0	8794.0
	% Fixture	83.5	0.0	83.5
Total	Lumens	10534.1	0.0	10534.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.4	3.8
10°-20°	867.9	8.2
20°-30°	1130.7	10.7
30°-40°	1640.1	15.6
40°-50°	2366.5	22.5
50°-60°	2862.1	27.2
60°-70°	1166.5	11.1
70°-80°	104.8	1.0
80°-90°	0.0	0.0
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°	10534.1	100.0
0°-180°	10534.1	100.0

Coefficient of Utilization



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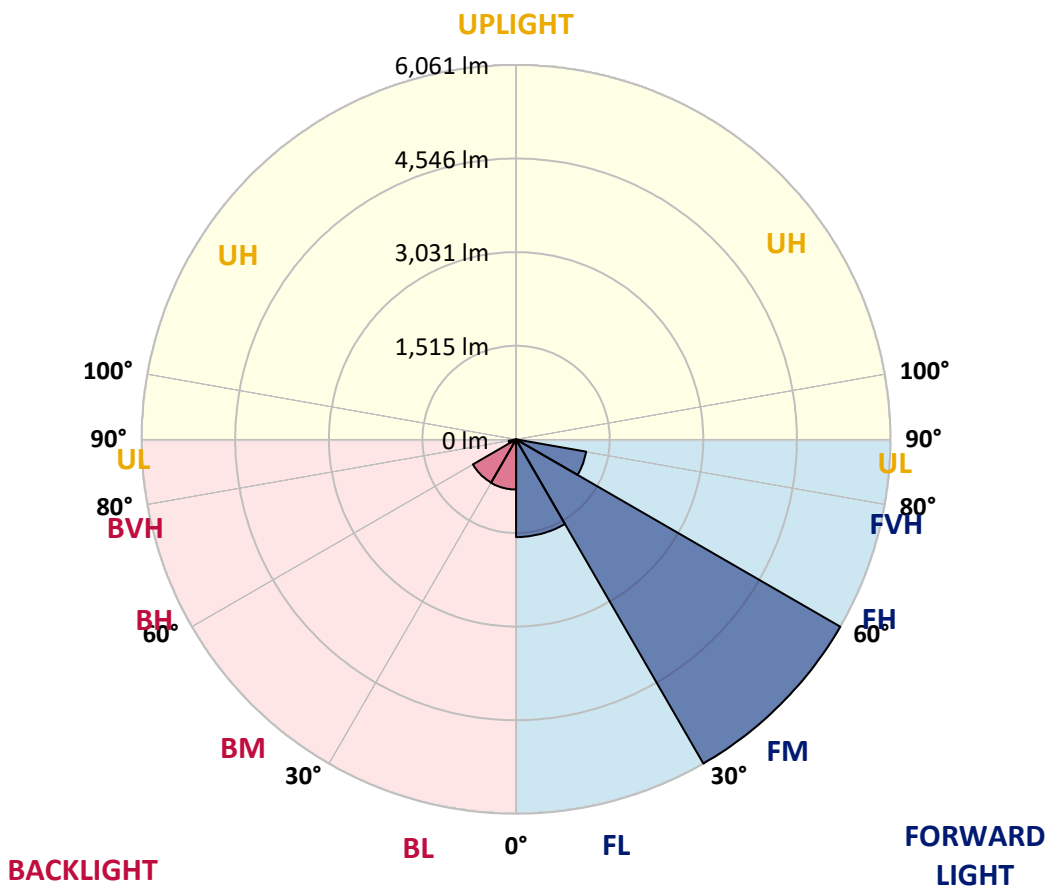
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1581.9	15.0			
FM (30°-60°)	6061.1	57.5			
FH (60°-80°)	1151.0	10.9			G1/1800
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	812.1	7.7	B2/1000		
BM (30°-60°)	807.7	7.7	B1/1000		
BH (60°-80°)	120.3	1.1	B1/500		G1/500
BVH (80°-90°)	0.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9
2.5°	4556.3	4566.6	4584.7	4607.9	4623.4	4631.2	4631.2	4653.1	4638.9	4627.3	4614.4
5°	4361.3	4371.7	4396.2	4433.6	4471.1	4498.2	4529.2	4552.4	4561.5	4561.5	4539.5
7.5°	4086.3	4100.5	4116.0	4167.7	4249.0	4309.7	4362.6	4396.2	4445.3	4460.8	4429.8
10°	3790.7	3804.9	3839.7	3910.8	4003.7	4094.1	4184.5	4227.1	4311.0	4354.9	4320.0
12.5°	3540.2	3546.7	3593.1	3678.4	3797.1	3921.1	4030.8	4074.7	4193.5	4259.3	4218.0
15°	3333.6	3337.5	3384.0	3478.2	3615.1	3767.4	3905.6	3950.8	4096.7	4196.1	4134.1
17.5°	3177.4	3178.7	3218.7	3320.7	3464.0	3633.2	3797.1	3852.7	4041.2	4161.2	4068.3
20°	3098.6	3094.8	3123.2	3212.3	3347.8	3517.0	3710.6	3779.1	4010.2	4156.1	4017.9
22.5°	3099.9	3090.9	3102.5	3165.8	3280.7	3439.5	3656.4	3733.9	4012.7	4178.0	3975.3
25°	3173.5	3160.6	3163.2	3196.8	3278.1	3422.7	3664.1	3746.8	4064.4	4251.6	3959.8
27.5°	3297.5	3283.3	3283.3	3300.1	3344.0	3475.6	3761.0	3855.2	4202.5	4394.9	3992.1
30°	3457.6	3443.4	3438.2	3455.0	3491.1	3612.5	3976.6	4074.7	4438.8	4629.9	4095.4
32.5°	3640.9	3624.1	3633.2	3656.4	3691.3	3859.1	4254.2	4384.6	4734.5	4946.2	4281.3
35°	3834.6	3820.4	3861.7	3912.0	3966.3	4201.2	4637.6	4751.3	5097.3	5340.0	4565.3
37.5°	4019.2	4012.7	4099.3	4205.1	4317.4	4611.8	5027.6	5115.3	5408.4	5768.6	4912.6
40°	4203.8	4202.5	4351.0	4536.9	4716.4	5021.1	5323.2	5395.5	5598.2	6101.8	5245.8
42.5°	4410.4	4410.4	4615.7	4863.6	5102.4	5367.1	5540.1	5572.4	5683.4	6294.1	5496.2
45°	4607.9	4619.6	4857.1	5145.0	5427.8	5637.0	5689.9	5692.5	5718.3	6407.7	5704.1
47.5°	4764.2	4774.5	5058.5	5390.4	5695.1	5842.2	5850.0	5838.4	5810.0	6516.2	5864.2
50°	4890.7	4906.2	5203.1	5554.3	5878.4	6039.8	6099.2	6087.5	6015.2	6632.4	5976.5
52.5°	4952.7	4974.6	5253.5	5635.7	6082.4	6378.0	6543.3	6570.4	6322.5	6697.0	6083.7
55°	4456.9	4489.2	4746.1	5269.0	6196.0	6900.9	7160.5	7155.3	6655.6	6889.3	6344.5
57.5°	3365.9	3363.3	3576.4	4148.3	5292.2	6930.6	7540.0	7529.7	6966.8	7112.7	6611.7
60°	2291.7	2276.2	2333.0	2609.3	3700.3	5646.0	6862.2	7001.7	6746.0	6570.4	5613.7
62.5°	1886.3	1872.1	1854.0	1777.8	2125.2	3517.0	4740.9	4952.7	4919.1	4566.6	3520.8
65°	1544.2	1555.8	1606.1	1573.9	1478.3	1803.7	2460.8	2586.1	2364.0	1989.6	1230.4
67.5°	1138.8	1143.9	1209.8	1380.2	1328.5	1200.7	1158.1	1178.8	690.7	317.6	205.3
70°	672.7	676.5	737.2	965.7	1078.1	921.8	782.4	770.8	273.7	85.2	93.0
72.5°	380.9	373.1	384.7	459.6	587.5	489.3	402.8	366.7	82.6	47.8	47.8
75°	180.8	175.6	151.1	142.0	129.1	82.6	51.6	43.9	20.7	19.4	19.4
77.5°	1.3	3.9	2.6	3.9	3.9	2.6	1.3	1.3	3.9	3.9	5.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9	4620.9
2.5°	4591.2	4552.4	4543.4	4540.8	4504.7	4465.9	4425.9	4410.4	4387.2	4373.0	4384.6
5°	4504.7	4449.1	4400.1	4354.9	4274.8	4187.0	4110.9	4061.8	4015.3	3984.3	3992.1
7.5°	4382.0	4309.7	4197.4	4082.5	3935.3	3803.6	3656.4	3566.0	3482.1	3435.6	3457.6
10°	4251.6	4156.1	3976.6	3781.6	3550.5	3344.0	3133.5	2961.8	2862.4	2768.1	2778.5
12.5°	4123.8	3997.3	3728.7	3433.0	3141.3	2836.6	2518.9	2281.4	2118.7	2001.2	1983.1
15°	4005.0	3842.3	3487.3	3097.4	2699.7	2294.3	1888.9	1549.3	1360.8	1244.6	1236.9
17.5°	3899.1	3697.7	3236.8	2746.2	2247.8	1728.8	1262.7	1008.4	899.9	849.5	844.4
20°	3797.1	3551.8	2981.2	2389.8	1754.6	1213.6	871.5	754.0	719.1	698.5	701.1
22.5°	3699.0	3393.0	2712.6	1994.8	1315.6	852.1	675.2	630.1	626.2	628.8	630.1
25°	3616.4	3247.1	2436.3	1613.9	938.6	649.4	564.2	551.3	562.9	579.7	582.3
27.5°	3573.8	3128.3	2166.5	1230.4	679.1	528.1	489.3	494.5	515.2	533.2	535.8
30°	3585.4	3039.3	1887.6	892.2	522.9	445.4	432.5	442.8	463.5	480.3	482.9
32.5°	3668.0	2994.1	1602.3	649.4	429.9	388.6	383.5	391.2	409.3	422.2	423.5
35°	3832.0	3004.4	1331.1	497.1	369.3	346.0	344.7	349.9	358.9	368.0	369.3
37.5°	4073.4	3088.3	1063.9	413.2	334.4	317.6	312.4	312.4	318.9	322.8	325.4
40°	4332.9	3214.8	852.1	365.4	309.9	291.8	281.5	277.6	282.8	287.9	289.2
42.5°	4547.3	3341.4	692.0	331.8	290.5	266.0	253.1	250.5	256.9	266.0	268.5
45°	4711.2	3439.5	577.1	304.7	268.5	241.4	227.2	227.2	238.9	254.3	256.9
47.5°	4861.0	3518.3	491.9	280.2	247.9	219.5	205.3	207.9	227.2	247.9	251.8
50°	4963.0	3581.5	428.6	258.2	231.1	201.4	188.5	193.7	216.9	241.4	245.3
52.5°	5072.7	3659.0	387.3	238.9	215.6	187.2	175.6	179.5	205.3	232.4	237.6
55°	5376.2	3918.5	386.0	213.0	188.5	167.8	162.7	164.0	189.8	220.8	227.2
57.5°	5624.0	4147.0	411.9	179.5	157.5	147.2	144.6	145.9	169.1	204.0	211.7
60°	4653.1	3222.6	340.9	148.5	131.7	129.1	125.2	127.8	149.8	180.8	187.2
62.5°	2753.9	1842.4	162.7	113.6	112.3	109.7	105.9	111.0	131.7	158.8	162.7
65°	941.2	546.1	103.3	93.0	95.5	91.7	87.8	93.0	111.0	126.5	127.8
67.5°	180.8	144.6	82.6	77.5	78.8	71.0	69.7	74.9	85.2	87.8	86.5
70°	94.3	83.9	63.3	63.3	60.7	50.4	50.4	55.5	55.5	51.6	50.4
72.5°	49.1	46.5	41.3	46.5	38.7	31.0	31.0	33.6	31.0	25.8	25.8
75°	19.4	19.4	18.1	23.2	16.8	14.2	12.9	15.5	11.6	9.0	9.0
77.5°	5.2	5.2	5.2	6.5	3.9	3.9	2.6	2.6	1.3	0.0	0.0
80°	0.0	1.3	0.0	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	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)