

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: P636355

Luminaire Tested: GWS-SA3F-750-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-750-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15686.6 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

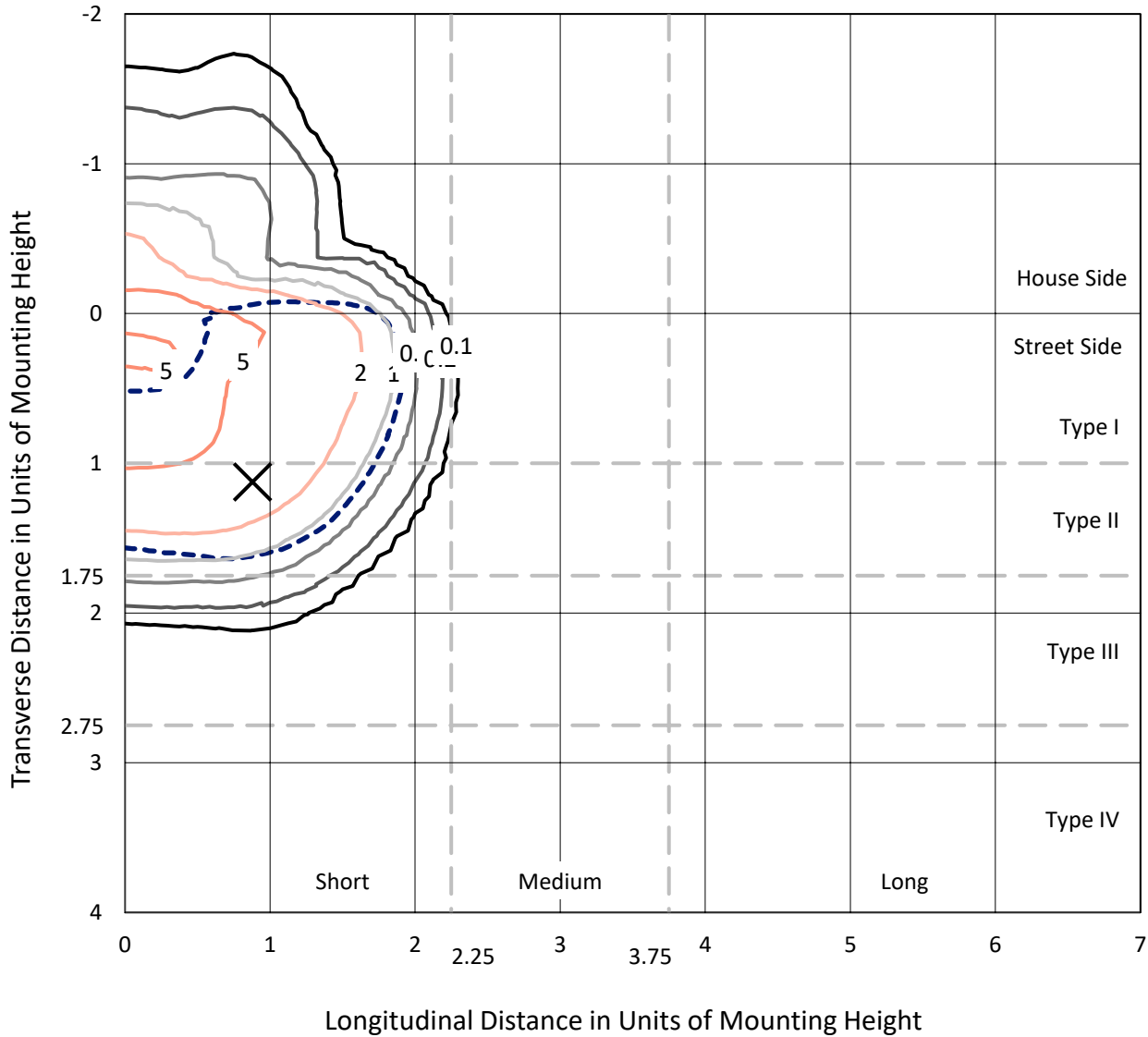
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

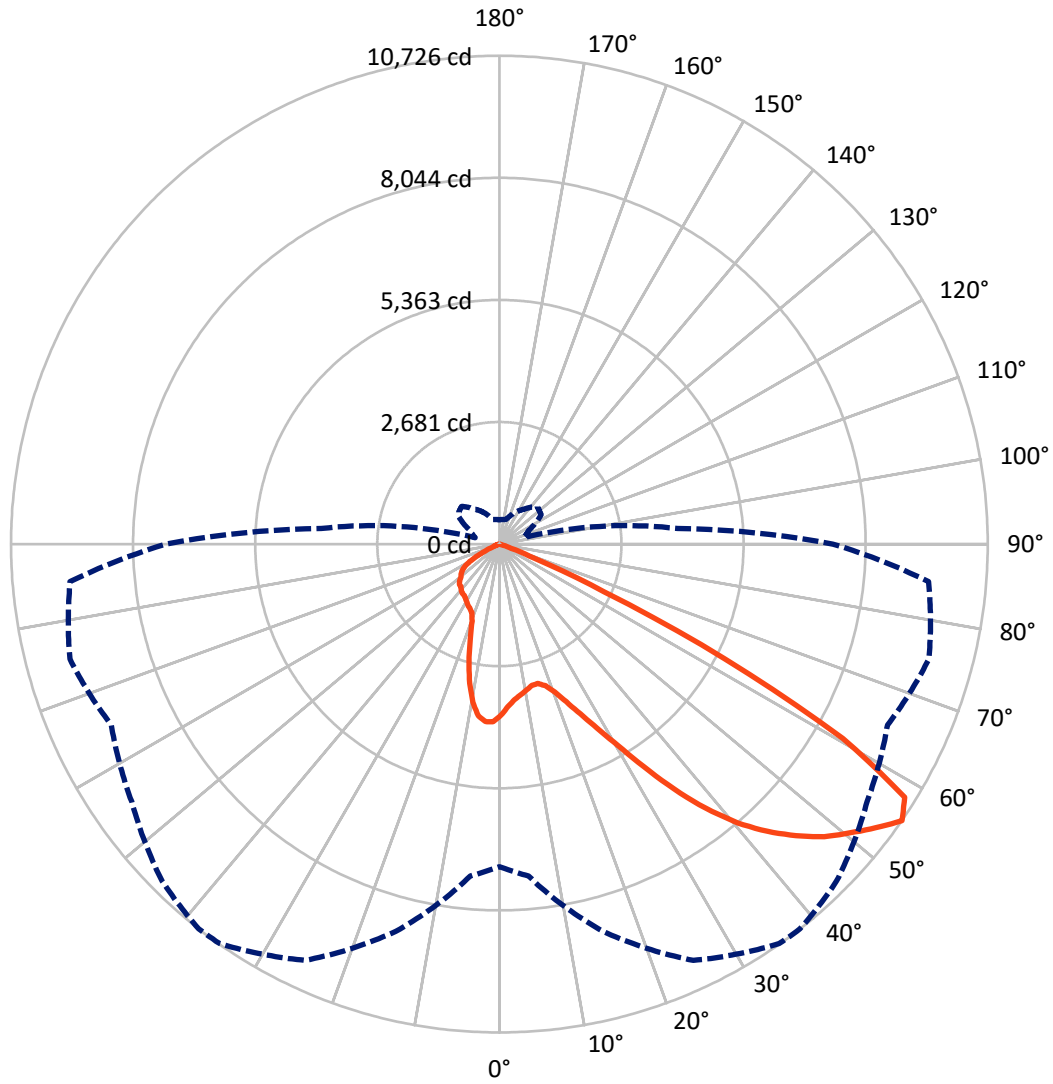
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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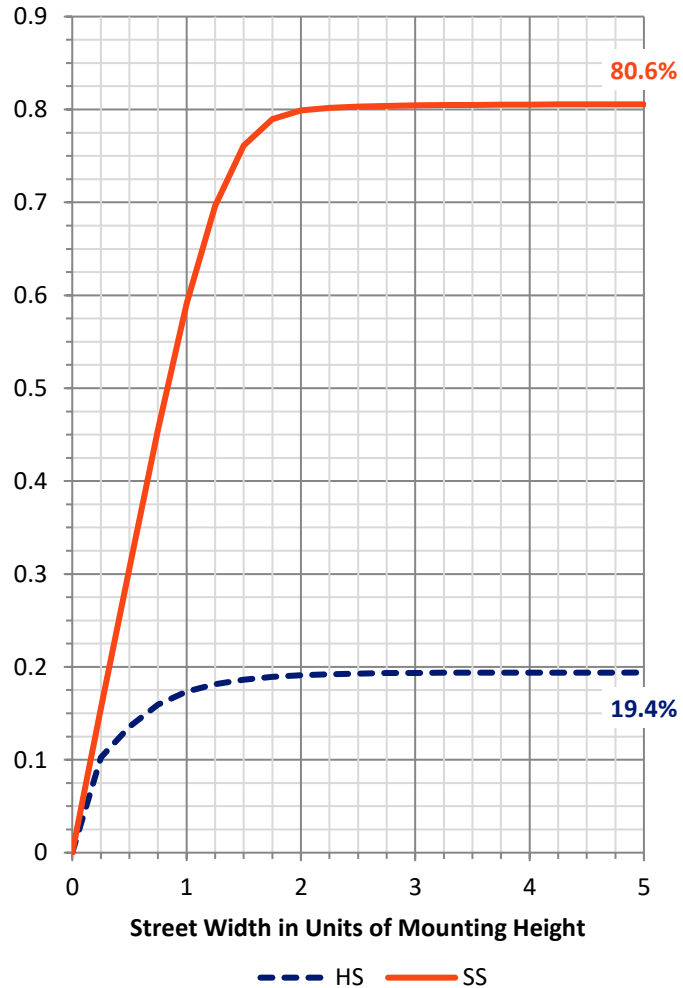
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3056.3	0.0	3056.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	12630.4	0.0	12630.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	15686.6	0.0	15686.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.8	2.2
10°-20°	936.4	6.0
20°-30°	1606.9	10.2
30°-40°	2665.1	17.0
40°-50°	3917.9	25.0
50°-60°	4578.2	29.2
60°-70°	1551.9	9.9
70°-80°	79.3	0.5
80°-90°	3.1	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°	15686.6	100.0
0°-180°	15686.6	100.0

Coefficient of Utilization

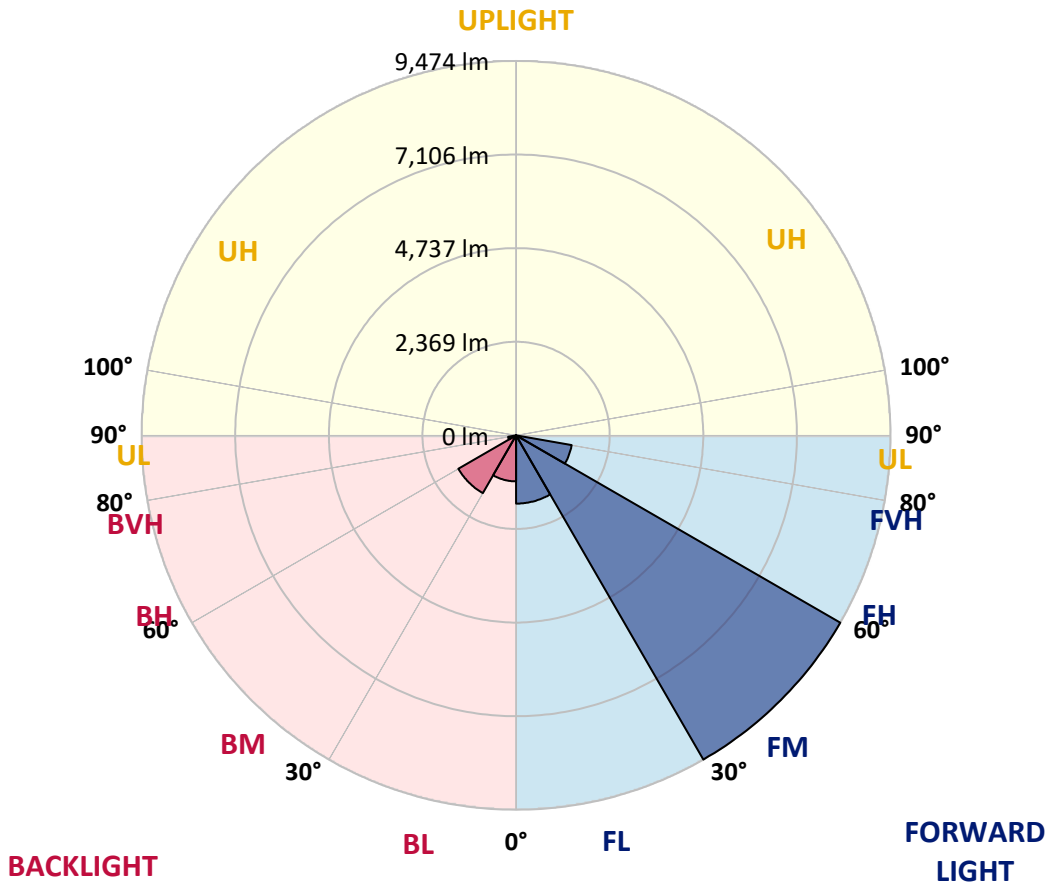


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1726.7	11.0			
FM (30°-60°)	9474.3	60.4			
FH (60°-80°)	1427.7	9.1			G1/1800
FVH (80°-90°)	1.7	0.0			G0/10
BL (0°-30°)	1164.4	7.4	B3/2500		
BM (30°-60°)	1686.9	10.8	B2/2500		
BH (60°-80°)	203.5	1.3	B1/500		G1/500
BVH (80°-90°)	1.5	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8
2.5°	3503.6	3496.4	3510.7	3539.4	3566.3	3575.3	3602.2	3639.8	3663.2	3718.7	3763.6
5°	3345.8	3342.2	3356.5	3381.6	3417.5	3430.1	3471.3	3534.1	3596.8	3693.6	3788.7
7.5°	3202.3	3200.5	3222.1	3277.7	3329.6	3345.8	3396.0	3473.1	3557.4	3706.2	3846.0
10°	3014.1	3015.9	3057.1	3136.0	3231.0	3263.3	3344.0	3455.2	3564.5	3756.4	3950.0
12.5°	2953.1	2956.7	2978.2	3039.2	3143.2	3184.4	3297.4	3465.9	3605.8	3828.1	4084.5
15°	3101.9	3101.9	3084.0	3091.2	3137.8	3175.4	3293.8	3501.8	3675.7	3914.2	4217.2
17.5°	3390.6	3379.9	3335.0	3274.1	3257.9	3270.5	3365.5	3578.9	3774.3	4014.6	4367.8
20°	3781.5	3785.1	3697.2	3569.9	3467.7	3465.9	3523.3	3715.1	3916.0	4134.7	4531.0
22.5°	4254.8	4240.5	4124.0	3950.0	3772.5	3758.2	3781.5	3923.1	4120.4	4324.8	4731.8
25°	4803.5	4796.3	4631.4	4398.3	4163.4	4129.3	4129.3	4269.2	4412.6	4595.5	4972.1
27.5°	5377.3	5377.3	5217.7	4948.7	4636.8	4575.8	4566.8	4731.8	4826.8	4862.7	5174.7
30°	5967.2	5960.0	5802.2	5526.1	5192.6	5129.8	5104.7	5226.7	5294.8	5187.2	5427.5
32.5°	6566.1	6578.6	6419.0	6162.6	5865.0	5823.7	5746.6	5746.6	5802.2	5651.6	5825.5
35°	7209.8	7206.2	7080.7	6906.7	6652.1	6605.5	6478.2	6279.2	6363.4	6297.1	6376.0
37.5°	7778.1	7805.0	7744.1	7615.0	7408.8	7362.2	7152.4	6792.0	6856.5	6960.5	7030.5
40°	8355.5	8377.0	8438.0	8396.7	8136.7	8050.7	7677.7	7086.0	7157.8	7514.6	7715.4
42.5°	8922.1	8932.9	9056.6	9124.7	8776.9	8626.2	8075.8	7265.3	7340.6	7948.5	8299.9
45°	9282.5	9305.8	9510.2	9718.2	9341.7	9135.5	8421.8	7494.8	7527.1	8249.7	8732.0
47.5°	9268.1	9321.9	9705.6	10084.0	9827.6	9605.2	8837.8	7862.4	7808.6	8533.0	9017.1
50°	8979.5	9044.0	9594.5	10195.1	10177.2	9971.0	9300.4	8394.9	8226.4	8784.0	9053.0
52.5°	8380.6	8567.1	9399.0	10209.5	10458.7	10354.7	9872.4	9112.2	8791.2	9144.4	9110.4
55°	7086.0	7315.5	8805.5	10087.6	10713.3	10725.9	10473.1	9859.8	9404.4	9764.8	9463.6
57.5°	5379.1	5562.0	6777.6	8979.5	10292.0	10498.2	10706.2	10254.3	9782.7	10188.0	9546.1
60°	3241.8	3453.4	4244.1	6589.4	8312.5	8663.9	9479.7	9391.9	8823.5	8997.4	7828.3
62.5°	1314.3	1425.5	1959.8	3630.9	5232.0	5560.2	6341.9	6474.6	6334.8	6157.2	4747.9
65°	480.5	525.4	785.3	1500.8	2406.2	2526.4	2938.8	3173.7	3367.3	2867.0	1766.1
67.5°	297.6	326.3	511.0	771.0	875.0	814.0	828.4	988.0	943.1	582.7	315.6
70°	220.5	243.9	399.8	534.3	353.2	272.5	184.7	197.2	177.5	156.0	154.2
72.5°	152.4	173.9	299.4	315.6	136.3	96.8	68.1	95.0	107.6	105.8	109.4
75°	100.4	116.5	188.3	123.7	34.1	26.9	23.3	50.2	64.5	64.5	66.3
77.5°	59.2	68.1	66.3	25.1	7.2	7.2	5.4	9.0	14.3	16.1	19.7
80°	7.2	5.4	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4	5.4
82.5°	1.8	1.8	1.8	3.6	3.6	3.6	3.6	3.6	3.6	5.4	5.4
85°	0.0	0.0	1.8	1.8	3.6	3.6	3.6	3.6	3.6	5.4	5.4
87.5°	0.0	0.0	1.8	1.8	3.6	3.6	3.6	3.6	3.6	5.4	5.4
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°	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8	3761.8
2.5°	3797.6	3785.1	3837.1	3874.7	3905.2	3919.6	3899.8	3898.0	3898.0	3858.6	3847.8
5°	3842.5	3847.8	3921.3	3953.6	3959.0	3941.1	3896.2	3865.8	3847.8	3806.6	3783.3
7.5°	3928.5	3946.4	4016.4	4011.0	3962.6	3880.1	3761.8	3670.3	3611.2	3546.6	3507.2
10°	4052.2	4086.3	4129.3	4054.0	3899.8	3690.0	3446.2	3272.3	3168.3	3094.8	3049.9
12.5°	4202.9	4236.9	4222.6	4045.1	3724.1	3349.4	3035.6	2784.6	2664.4	2598.1	2551.5
15°	4355.3	4376.8	4283.5	3937.5	3413.9	2910.1	2560.4	2311.2	2164.2	2110.4	2070.9
17.5°	4511.3	4505.9	4294.3	3725.9	2999.7	2415.2	2070.9	1900.6	1859.4	1850.4	1846.8
20°	4674.4	4626.0	4251.3	3422.9	2501.3	1925.7	1730.3	1741.0	1816.3	1852.2	1859.4
22.5°	4860.9	4739.0	4143.7	3012.3	1992.1	1604.8	1624.5	1730.3	1832.5	1880.9	1888.1
25°	5059.9	4843.0	3964.4	2485.1	1570.7	1475.7	1592.2	1714.1	1823.5	1882.7	1889.8
27.5°	5190.8	4868.1	3670.3	1954.4	1348.4	1425.5	1549.2	1665.7	1778.7	1843.2	1852.2
30°	5332.5	4857.3	3270.5	1506.1	1273.0	1382.4	1490.0	1595.8	1699.8	1771.5	1778.7
32.5°	5540.4	4850.1	2782.8	1222.8	1242.6	1348.4	1427.2	1515.1	1586.8	1628.1	1622.7
35°	5813.0	4841.2	2214.4	1102.7	1224.6	1321.5	1384.2	1425.5	1346.6	1321.5	1326.8
37.5°	6162.6	4862.7	1735.6	1052.5	1219.3	1314.3	1368.1	1249.7	1127.8	1081.2	1074.0
40°	6549.9	4918.3	1323.3	1032.8	1237.2	1332.2	1307.1	1111.7	961.1	869.6	849.9
42.5°	6939.0	4979.2	1047.1	1025.6	1267.7	1382.4	1206.7	1011.3	785.3	733.3	726.2
45°	7227.7	4968.5	905.5	1013.1	1294.6	1411.1	1179.8	867.8	701.1	677.8	679.6
47.5°	7372.9	4850.1	828.4	984.4	1305.3	1382.4	1113.5	808.7	643.7	668.8	690.3
50°	7295.8	4543.5	756.7	928.8	1282.0	1344.8	1007.7	763.8	615.0	719.0	767.4
52.5°	7202.6	4167.0	677.8	842.7	1226.4	1292.8	966.4	751.3	597.1	693.9	729.8
55°	7326.3	3928.5	548.7	710.0	1117.1	1170.8	934.2	749.5	555.8	539.7	534.3
57.5°	7152.4	3453.4	392.7	511.0	857.1	927.0	910.9	736.9	493.1	491.3	498.5
60°	5527.9	2106.8	269.0	324.5	525.4	591.7	826.6	704.7	424.9	390.9	392.7
62.5°	3141.4	896.5	184.7	200.8	269.0	319.2	631.1	640.1	392.7	372.9	392.7
65°	1093.7	321.0	143.4	134.5	148.8	170.3	362.2	494.9	356.8	322.7	326.3
67.5°	225.9	159.6	127.3	111.2	111.2	111.2	184.7	308.4	294.1	256.4	260.0
70°	143.4	136.3	111.2	95.0	91.4	84.3	105.8	170.3	202.6	186.5	188.3
72.5°	105.8	104.0	87.9	77.1	68.1	61.0	66.3	84.3	104.0	107.6	109.4
75°	64.5	66.3	57.4	48.4	43.0	37.7	39.4	39.4	39.4	35.9	39.4
77.5°	19.7	21.5	17.9	14.3	12.6	12.6	12.6	10.8	9.0	5.4	5.4
80°	5.4	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0
82.5°	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0	0.0
85°	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	0.0	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	3.6	3.6	1.8	1.8	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)