

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: P635747

Luminaire Tested: GWS-SA3E-735-U-T3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-25)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3E-735-U-T3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18512.7 lumens
Efficiency: N/A
Efficacy: 116.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

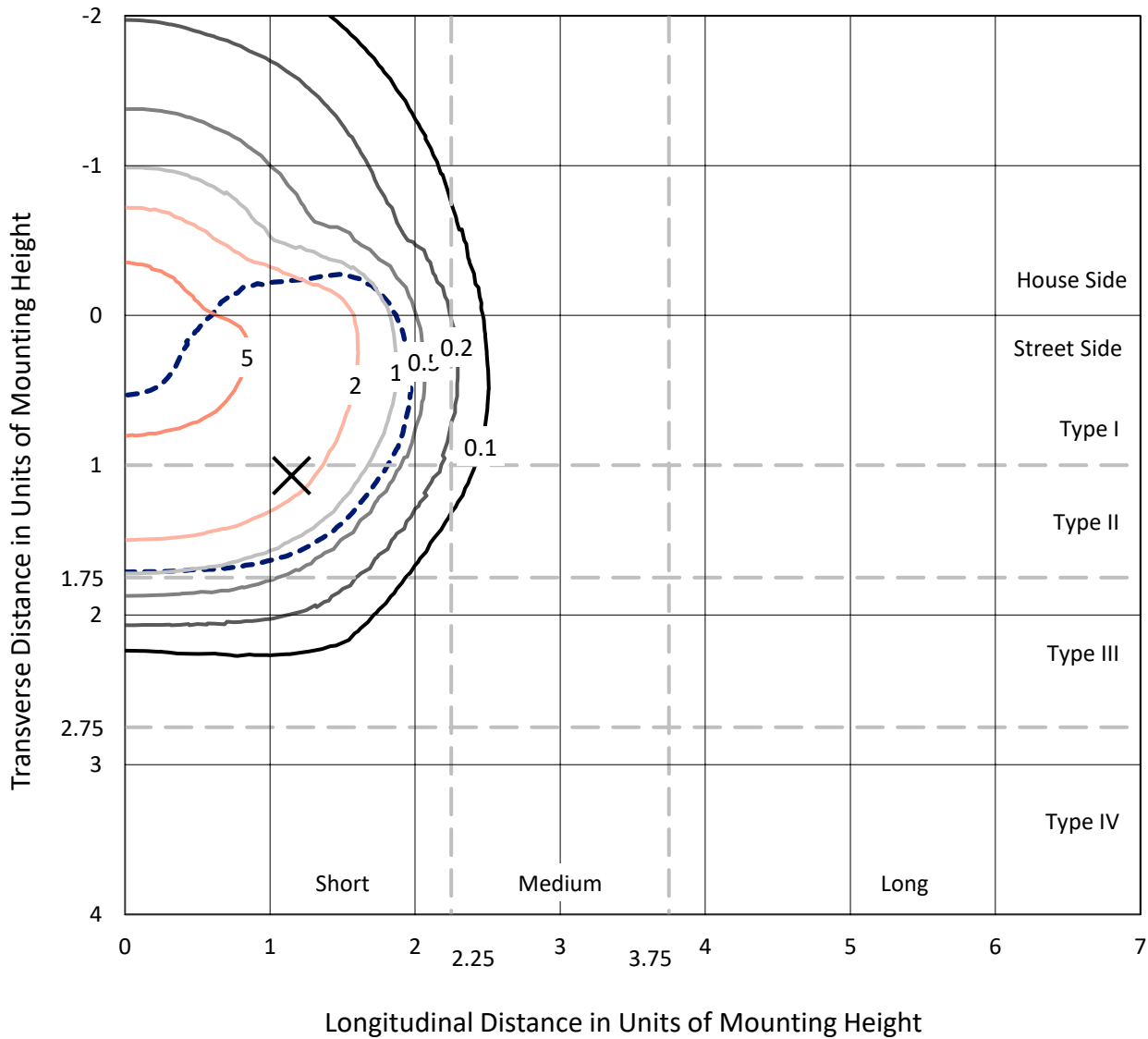
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

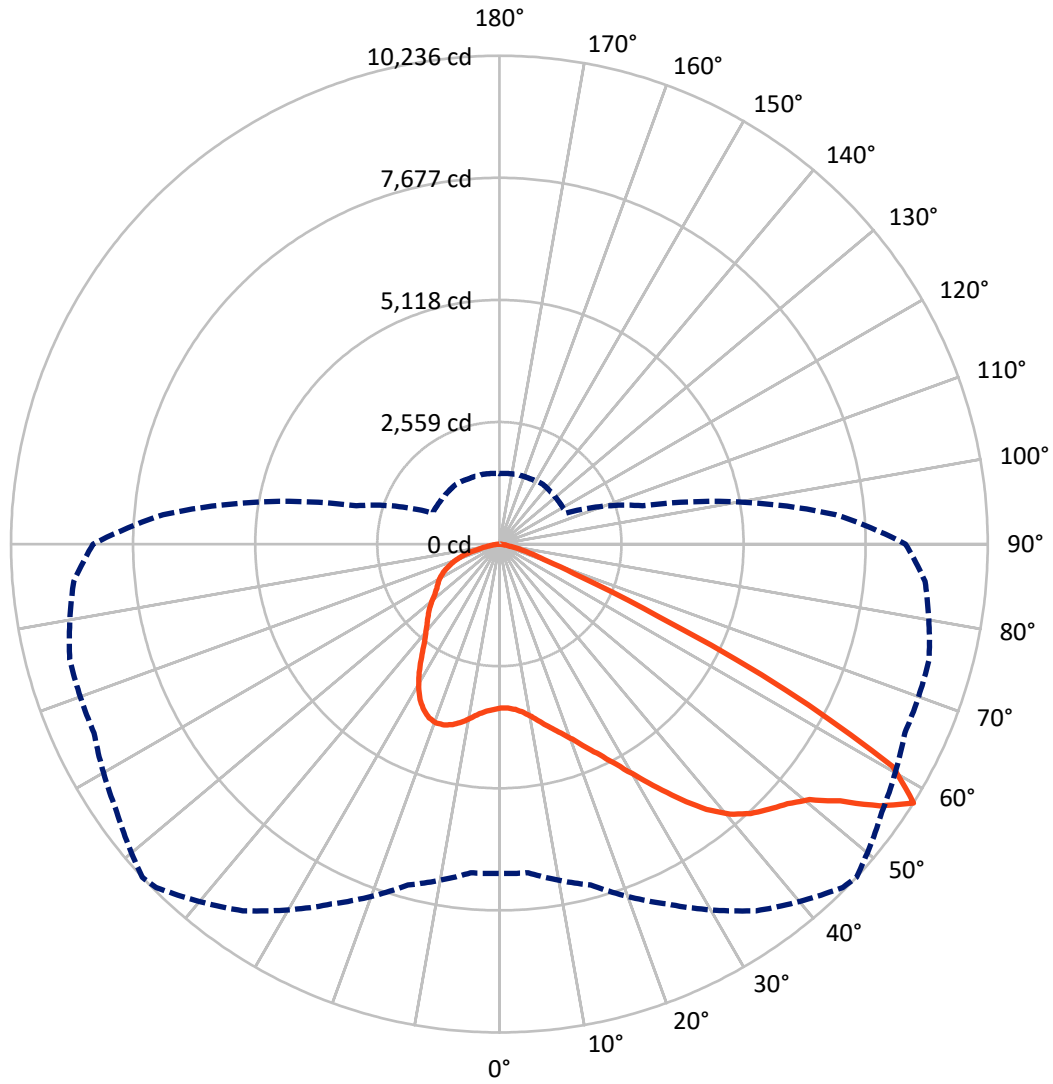
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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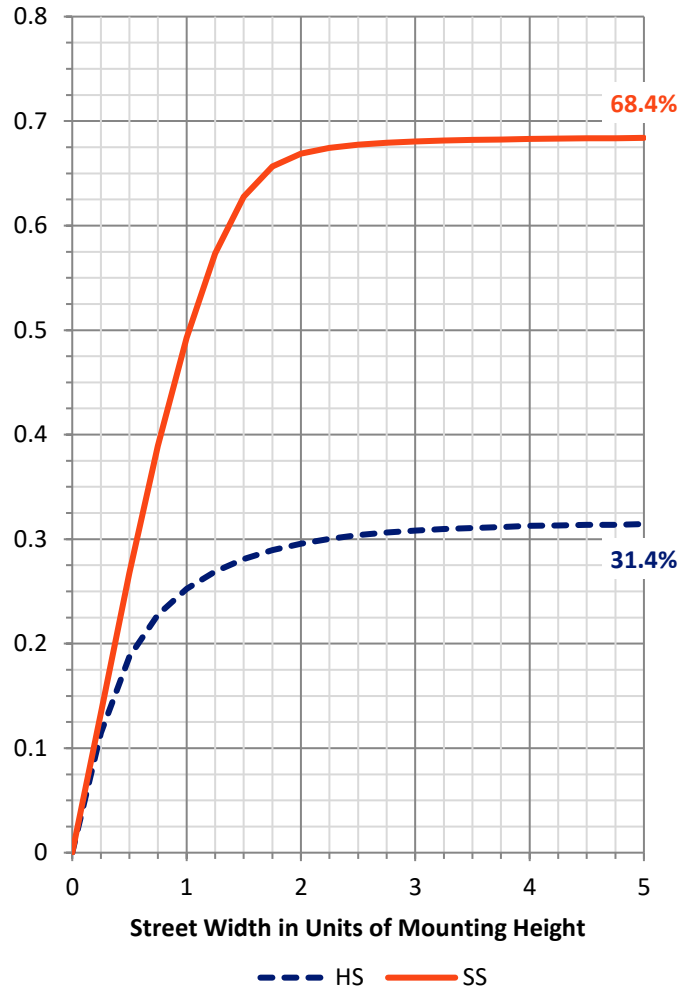
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5859.2	0.0	5859.2
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12653.5	0.0	12653.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	18512.7	0.0	18512.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	338.6	1.8
10°-20°	1113.7	6.0
20°-30°	2005.4	10.8
30°-40°	3029.0	16.4
40°-50°	4078.9	22.0
50°-60°	4901.3	26.5
60°-70°	2387.0	12.9
70°-80°	588.1	3.2
80°-90°	70.7	0.4
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°	18512.7	100.0
0°-180°	18512.7	100.0

Coefficient of Utilization

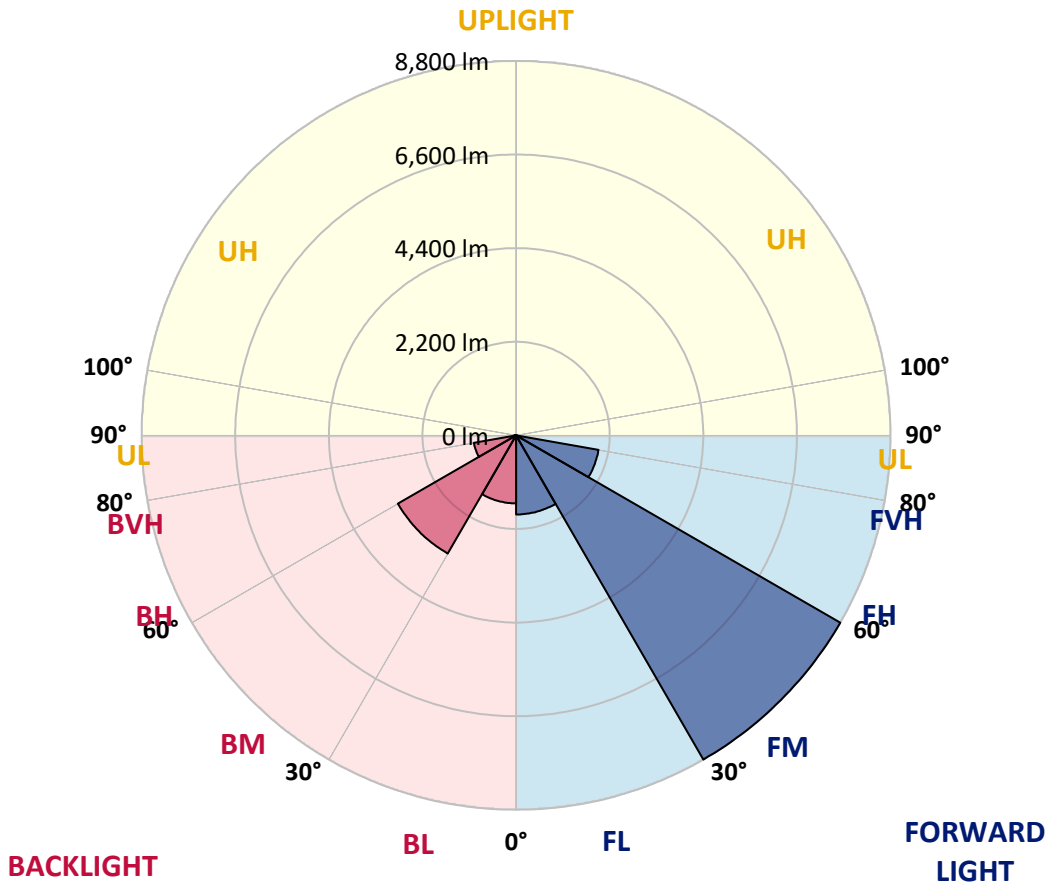


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1859.5	10.0			
FM (30°-60°)	8800.1	47.5			
FH (60°-80°)	1967.3	10.6			G2/5000
FVH (80°-90°)	26.6	0.1			G1/100
BL (0°-30°)	1598.3	8.6	B3/2500		
BM (30°-60°)	3209.1	17.3	B3/5000		
BH (60°-80°)	1007.8	5.4	B3/2500		G3/2500
BVH (80°-90°)	44.1	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2
2.5°	3427.0	3425.4	3425.4	3434.8	3434.8	3437.9	3442.5	3447.2	3448.8	3441.0	3423.9
5°	3464.3	3464.3	3464.3	3472.1	3472.1	3475.2	3481.4	3483.0	3481.4	3469.0	3451.9
7.5°	3523.4	3523.4	3524.9	3534.3	3542.0	3546.7	3557.6	3556.0	3551.4	3531.2	3509.4
10°	3619.8	3624.5	3629.1	3640.0	3655.6	3666.4	3674.2	3674.2	3668.0	3636.9	3608.9
12.5°	3756.6	3762.8	3767.5	3776.8	3789.3	3807.9	3825.0	3825.0	3817.3	3778.4	3736.4
15°	3916.8	3923.0	3921.4	3924.6	3947.9	3974.3	3988.3	3997.6	4000.7	3946.3	3881.0
17.5°	4100.3	4106.5	4100.3	4090.9	4094.0	4136.0	4160.9	4195.1	4215.3	4142.2	4038.1
20°	4266.6	4260.4	4260.4	4266.6	4276.0	4327.3	4364.6	4420.6	4445.4	4356.8	4195.1
22.5°	4442.3	4456.3	4450.1	4450.1	4487.4	4572.9	4618.0	4691.1	4717.5	4602.5	4384.8
25°	4669.3	4681.8	4678.7	4681.8	4725.3	4846.6	4891.7	5027.0	5053.4	4888.6	4594.7
27.5°	4918.1	4938.3	4947.7	4944.6	5014.5	5173.1	5229.1	5417.3	5465.5	5208.9	4818.6
30°	5241.5	5263.3	5271.1	5268.0	5350.4	5566.5	5630.3	5844.8	5913.3	5588.3	5103.2
32.5°	5616.3	5638.0	5661.4	5670.7	5776.4	5997.2	6089.0	6311.3	6409.3	6026.8	5446.8
35°	5987.9	6006.6	6051.6	6124.7	6269.3	6494.8	6575.6	6794.9	6889.7	6482.4	5862.0
37.5°	6398.4	6410.8	6449.7	6550.8	6759.1	6973.7	7054.6	7264.5	7275.4	6922.4	6331.5
40°	6847.8	6847.8	6840.0	6939.5	7157.2	7373.3	7443.3	7564.6	7500.8	7261.4	6788.7
42.5°	7228.7	7222.5	7228.7	7322.0	7483.7	7659.4	7720.1	7696.7	7615.9	7521.0	7202.3
45°	7572.3	7577.0	7633.0	7704.5	7788.5	7892.6	7928.4	7796.2	7723.2	7729.4	7533.5
47.5°	7805.6	7810.2	7940.8	8060.6	8111.9	8144.5	8129.0	7945.5	7908.2	7978.2	7788.5
50°	7836.7	7861.5	8087.0	8332.7	8460.2	8464.8	8421.3	8197.4	8186.5	8265.8	7925.3
52.5°	7842.9	7867.8	8149.2	8592.3	8923.5	8993.5	8943.8	8710.5	8597.0	8517.7	8093.2
55°	7819.6	7847.6	8158.5	8766.5	9400.9	9680.8	9685.4	9355.8	8993.5	8940.6	8572.1
57.5°	6903.7	6914.6	7396.6	8323.3	9382.2	10175.2	10235.9	9788.1	9374.5	9324.7	8956.2
60°	4809.3	4852.8	5376.8	6600.5	7881.8	9279.6	9475.5	9344.9	9068.1	8705.9	7684.3
62.5°	2408.5	2445.8	2971.4	4128.2	5435.9	6539.9	6749.8	6888.2	6953.5	6564.8	5232.2
65°	1037.1	1065.1	1391.6	2156.6	3077.1	3610.5	3683.5	3849.9	4257.3	3798.6	2819.0
67.5°	693.5	712.1	878.5	1315.4	1813.0	1847.2	1836.3	1872.1	1960.7	1618.6	1273.5
70°	531.8	547.3	659.3	964.0	1303.0	1114.9	1055.8	957.8	1040.2	1060.4	1032.4
72.5°	385.6	398.1	482.0	657.7	816.3	712.1	702.8	752.6	864.5	895.6	878.5
75°	248.8	255.0	306.3	360.7	421.4	457.1	475.8	566.0	679.5	702.8	682.6
77.5°	166.4	171.0	200.6	231.7	239.5	241.0	247.2	287.7	365.4	408.9	404.3
80°	87.1	87.1	98.0	98.0	112.0	133.7	139.9	166.4	202.1	223.9	225.5
82.5°	34.2	35.8	42.0	46.6	56.0	68.4	73.1	87.1	105.7	121.3	135.3
85°	14.0	15.5	17.1	20.2	24.9	31.1	32.7	37.3	49.8	62.2	70.0
87.5°	0.0	0.0	1.6	1.6	3.1	4.7	4.7	6.2	7.8	14.0	18.7
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°	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2	3433.2
2.5°	3444.1	3423.9	3444.1	3450.3	3467.4	3473.6	3462.7	3461.2	3461.2	3445.6	3441.0
5°	3467.4	3448.8	3469.0	3478.3	3503.2	3518.7	3521.8	3534.3	3542.0	3535.8	3534.3
7.5°	3524.9	3501.6	3523.4	3537.4	3570.0	3594.9	3605.8	3633.8	3654.0	3650.9	3649.3
10°	3626.0	3594.9	3619.8	3643.1	3678.9	3708.4	3710.0	3725.5	3745.7	3739.5	3736.4
12.5°	3742.6	3713.1	3741.1	3764.4	3806.4	3818.8	3798.6	3792.4	3795.5	3787.7	3781.5
15°	3885.7	3843.7	3868.6	3895.0	3918.3	3904.3	3860.8	3843.7	3842.1	3831.3	3825.0
17.5°	4028.7	3975.9	3994.5	4008.5	3997.6	3954.1	3899.7	3870.1	3856.1	3834.4	3828.2
20°	4170.2	4103.4	4100.3	4089.4	4039.6	3960.3	3887.2	3828.2	3792.4	3762.8	3752.0
22.5°	4331.9	4238.6	4192.0	4142.2	4033.4	3904.3	3793.9	3710.0	3652.4	3615.1	3602.7
25°	4506.1	4373.9	4277.5	4178.0	3971.2	3784.6	3630.7	3515.6	3447.2	3406.8	3392.8
27.5°	4678.7	4496.8	4352.1	4182.7	3846.8	3612.0	3405.2	3249.7	3181.3	3148.7	3137.8
30°	4911.9	4660.0	4440.8	4122.0	3683.5	3372.6	3114.5	2957.4	2912.3	2889.0	2879.7
32.5°	5180.9	4866.8	4559.0	3994.5	3475.2	3092.7	2820.6	2711.7	2680.6	2635.5	2634.0
35°	5535.4	5162.2	4670.9	3806.4	3212.4	2792.6	2595.1	2517.4	2461.4	2389.9	2383.7
37.5°	5949.0	5530.8	4731.5	3566.9	2906.1	2545.4	2427.2	2340.1	2249.9	2155.1	2142.6
40°	6376.6	5961.5	4736.2	3283.9	2606.0	2382.1	2282.6	2169.1	2057.1	1951.4	1937.4
42.5°	6826.0	6362.6	4653.8	2957.4	2360.3	2240.6	2139.5	1996.5	1870.5	1799.0	1791.2
45°	7227.1	6686.0	4467.2	2613.8	2178.4	2122.4	1993.4	1839.4	1772.6	1721.3	1710.4
47.5°	7542.8	6900.6	4215.3	2305.9	2030.7	2001.1	1833.2	1753.9	1702.6	1656.0	1645.1
50°	7698.3	6948.8	3887.2	2055.6	1893.9	1858.1	1743.0	1682.4	1648.2	1610.9	1601.5
52.5°	7891.1	7003.2	3604.2	1845.7	1760.1	1711.9	1668.4	1620.2	1595.3	1572.0	1564.2
55°	8334.2	7208.5	3455.0	1677.7	1632.6	1610.9	1604.7	1564.2	1556.4	1540.9	1526.9
57.5°	8514.6	7076.3	3102.0	1540.9	1531.6	1534.7	1550.2	1512.9	1505.1	1486.5	1477.1
60°	6847.8	5348.8	2100.7	1422.7	1447.6	1467.8	1483.4	1446.1	1435.2	1432.1	1419.6
62.5°	4387.9	3290.2	1466.3	1312.3	1349.6	1374.5	1383.9	1348.1	1340.3	1365.2	1366.8
65°	2284.1	1792.8	1189.5	1194.2	1225.3	1262.6	1281.2	1268.8	1265.7	1292.1	1293.7
67.5°	1166.2	1096.2	1037.1	1054.2	1079.1	1127.3	1170.8	1225.3	1243.9	1247.0	1248.6
70°	993.6	962.5	932.9	943.8	970.3	996.7	1038.7	1065.1	1034.0	1026.2	1023.1
72.5°	845.9	822.5	808.5	821.0	835.0	830.3	817.9	830.3	835.0	836.5	838.1
75°	657.7	640.6	629.7	631.3	631.3	614.2	590.9	576.9	561.3	548.9	548.9
77.5°	402.7	405.8	416.7	415.2	413.6	407.4	384.1	371.6	334.3	323.4	323.4
80°	230.1	234.8	245.7	248.8	248.8	241.0	217.7	203.7	186.6	178.8	177.3
82.5°	139.9	146.2	152.4	155.5	157.0	147.7	127.5	116.6	107.3	99.5	99.5
85°	73.1	76.2	82.4	84.0	79.3	70.0	59.1	54.4	45.1	43.5	43.5
87.5°	20.2	21.8	24.9	20.2	18.7	14.0	7.8	6.2	3.1	1.6	1.6
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)