

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: P636234

Luminaire Tested: GWS-SA3F-735-U-T2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636234
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-735-U-T2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20105.6 lumens
Efficiency: N/A
Efficacy: 109.7 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

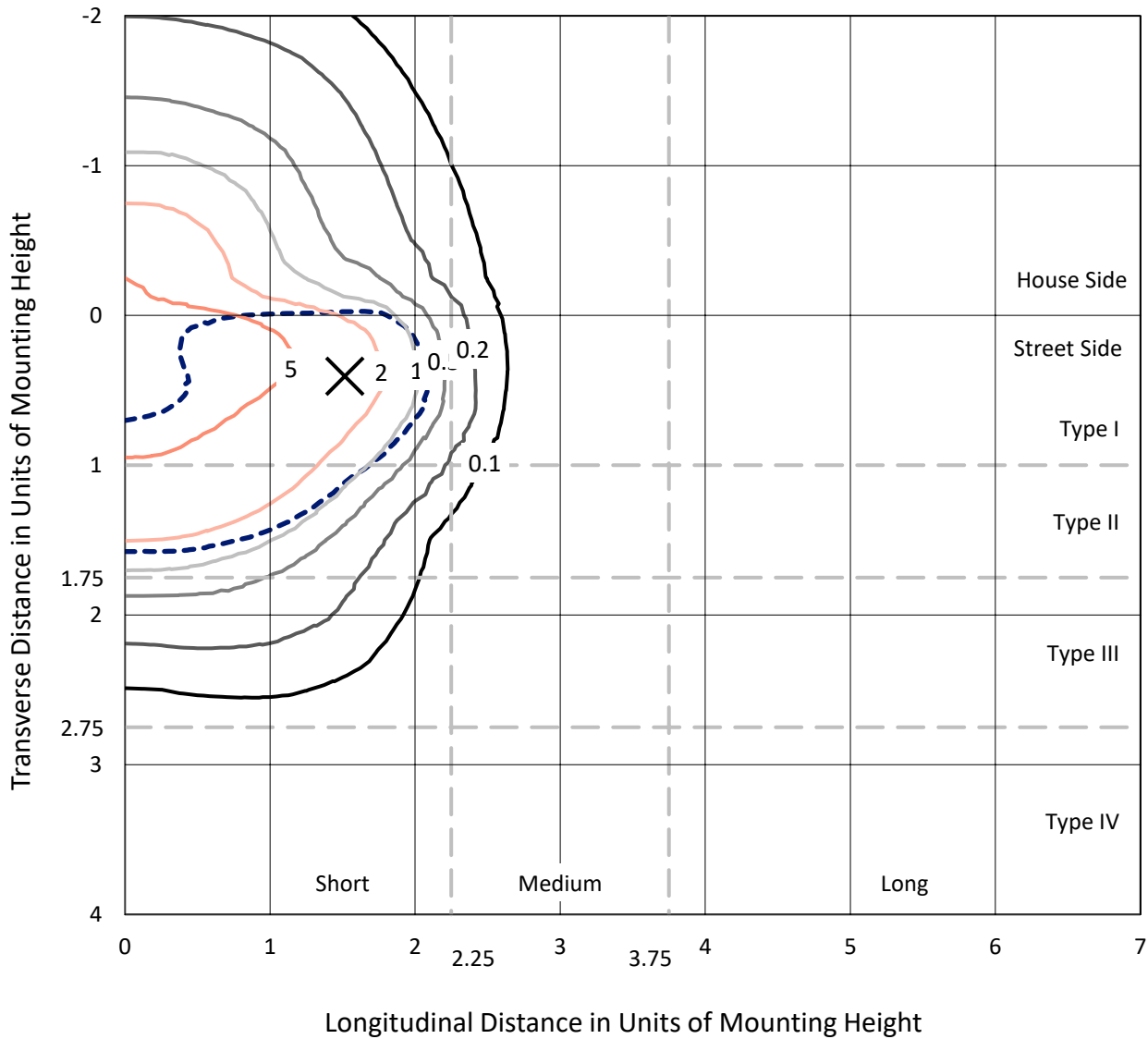
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

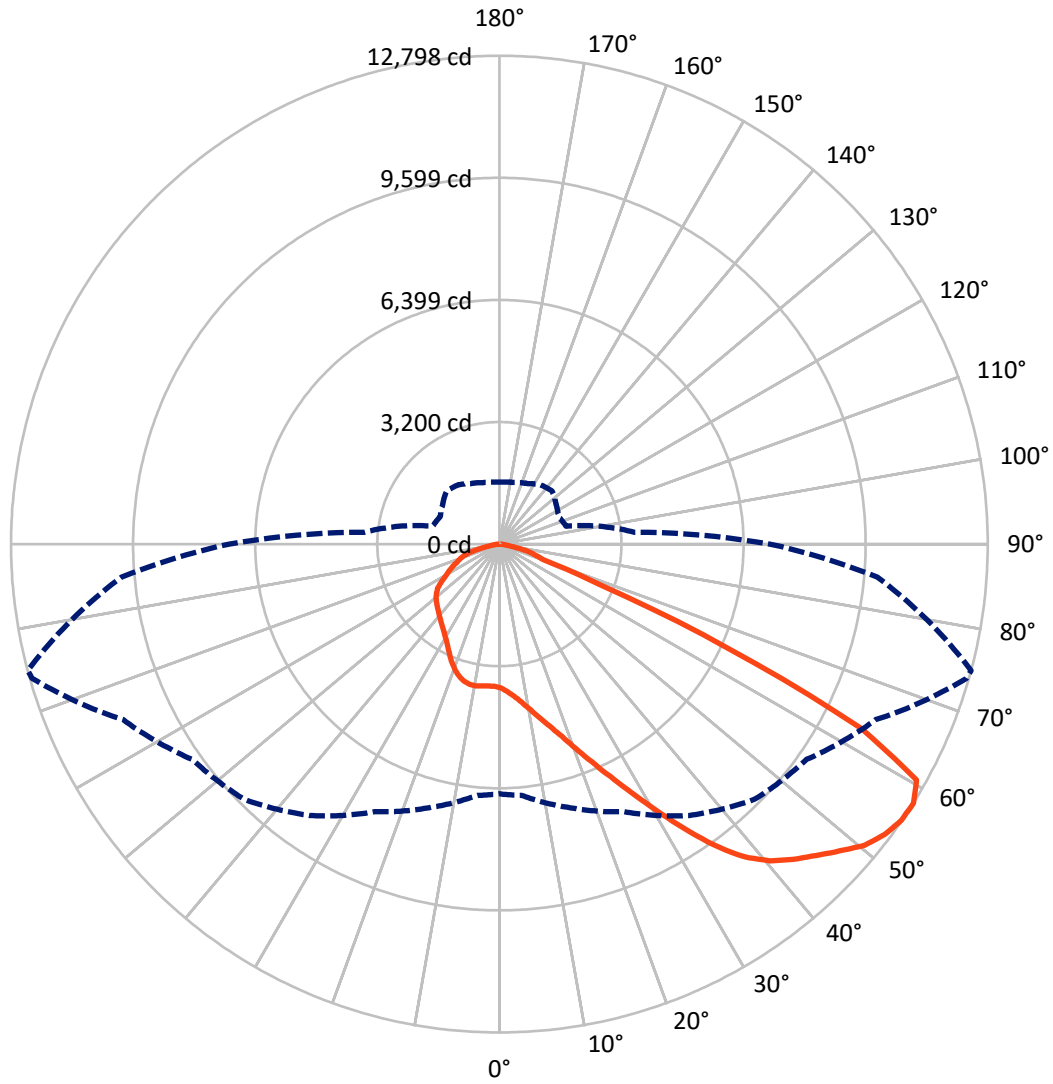
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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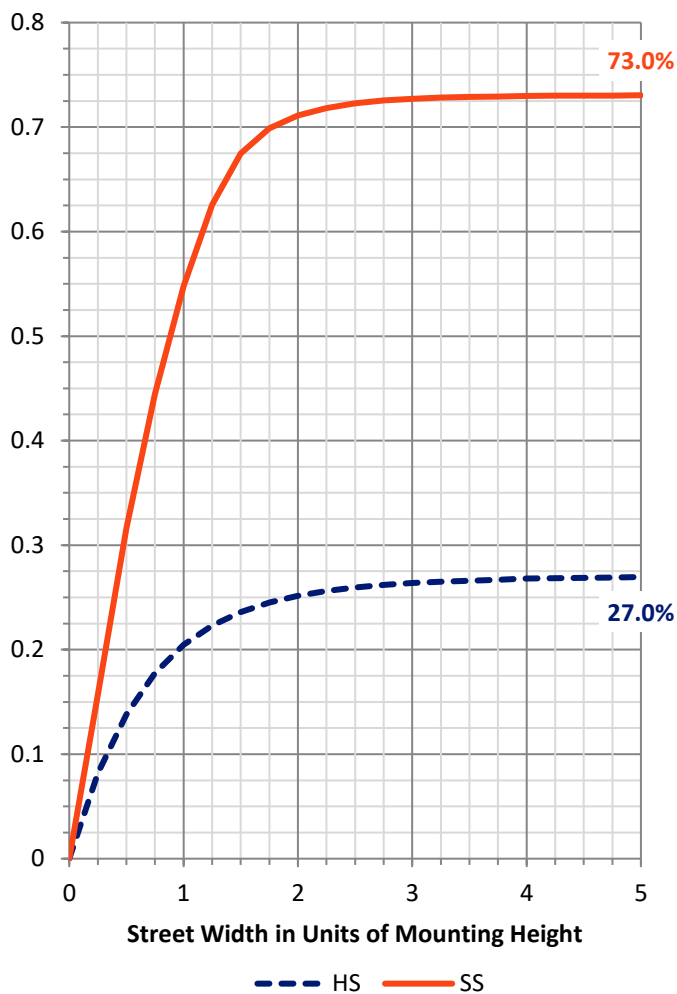
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5439.0	0.0	5439.0
	% Fixture	27.1	0.0	27.1
Street Side	Lumens	14666.6	0.0	14666.6
	% Fixture	72.9	0.0	72.9
Total	Lumens	20105.6	0.0	20105.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.8	1.9
10°-20°	1199.6	6.0
20°-30°	2127.5	10.6
30°-40°	3256.8	16.2
40°-50°	4534.9	22.6
50°-60°	5196.1	25.8
60°-70°	2669.8	13.3
70°-80°	672.2	3.3
80°-90°	71.9	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°	20105.6	100.0
0°-180°	20105.6	100.0

Coefficient of Utilization

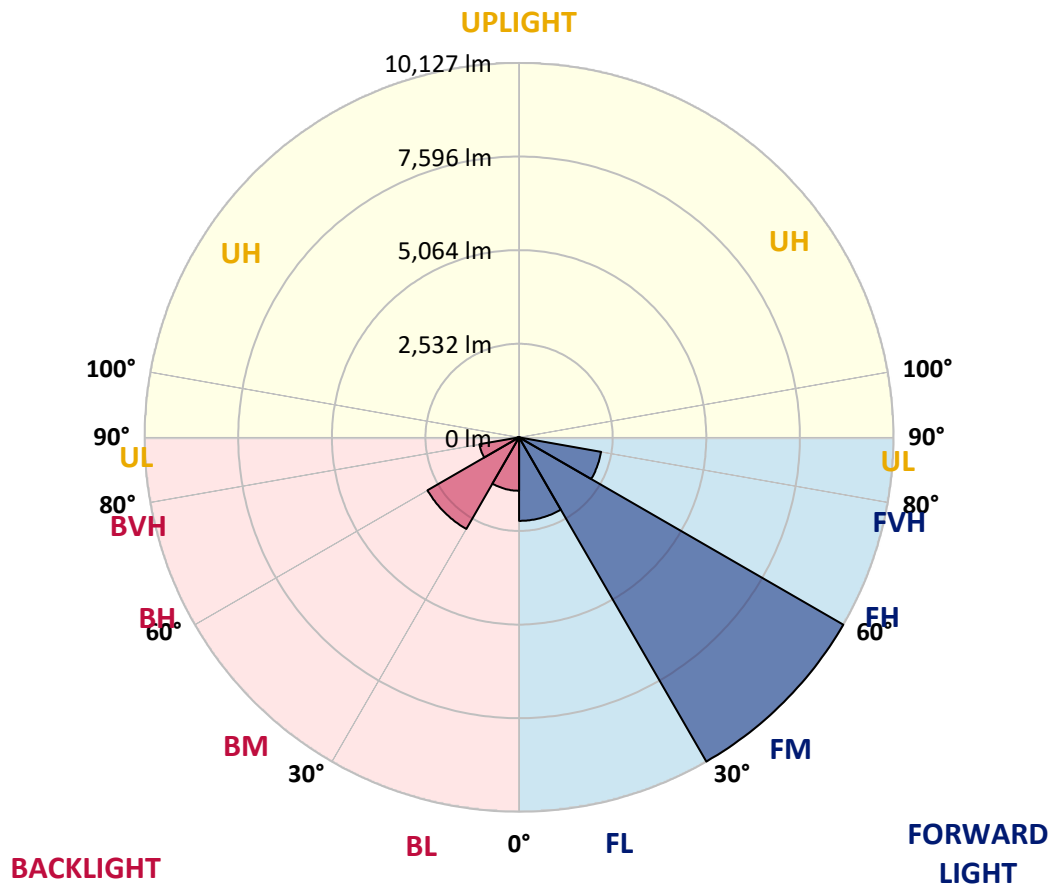


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2259.0	11.2			
FM (30°-60°)	10127.4	50.4			
FH (60°-80°)	2253.6	11.2			G2/5000
FVH (80°-90°)	26.6	0.1			G1/100
BL (0°-30°)	1444.9	7.2	B3/2500		
BM (30°-60°)	2860.4	14.2	B3/5000		
BH (60°-80°)	1088.4	5.4	B3/2500		G3/2500
BVH (80°-90°)	45.3	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°	55°	65°	74°	75°	85°
0°	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3
2.5°	4045.4	4055.7	4045.4	4062.6	4028.1	4012.5	3974.5	3917.4	3872.5	3865.6	3815.4
5°	4360.0	4382.5	4368.6	4361.7	4315.1	4280.5	4223.4	4109.3	4016.0	4002.1	3903.6
7.5°	4562.3	4577.8	4577.8	4583.0	4565.7	4526.0	4465.5	4330.6	4199.2	4178.5	4029.8
10°	4629.7	4641.8	4664.3	4707.5	4742.1	4754.2	4714.4	4584.7	4424.0	4403.2	4195.8
12.5°	4645.2	4659.1	4693.7	4773.2	4868.3	4954.7	4961.6	4866.5	4686.7	4664.3	4387.7
15°	4674.6	4688.5	4735.1	4833.7	4973.7	5139.7	5241.7	5176.0	4977.2	4953.0	4605.5
17.5°	4671.2	4686.7	4755.9	4887.3	5075.7	5316.0	5513.1	5540.8	5335.0	5293.5	4852.7
20°	4662.5	4676.4	4750.7	4911.5	5144.9	5475.1	5831.2	5974.7	5753.4	5715.4	5141.4
22.5°	4731.7	4747.2	4804.3	4937.4	5181.2	5597.8	6125.1	6470.8	6249.6	6196.0	5473.3
25°	4887.3	4909.8	4944.3	5036.0	5246.9	5706.7	6425.9	7032.7	6806.2	6742.3	5834.7
27.5°	5127.6	5155.2	5203.6	5246.9	5393.8	5845.0	6725.0	7662.0	7435.5	7368.1	6216.7
30°	5421.5	5457.8	5520.0	5549.4	5649.7	6049.0	7050.0	8310.3	8178.9	8085.5	6647.2
32.5°	5827.7	5877.9	5936.7	5945.3	6005.8	6358.5	7371.5	8953.4	8951.7	8886.0	7136.4
35°	6356.7	6410.3	6422.4	6434.5	6463.9	6783.8	7760.5	9539.4	9765.9	9689.8	7668.9
37.5°	6934.2	7012.0	7031.0	6977.4	7018.9	7295.5	8197.9	10009.7	10474.7	10393.5	8184.1
40°	7551.3	7582.5	7634.3	7549.6	7601.5	7881.5	8626.6	10310.5	11003.7	10917.3	8590.3
42.5°	7993.9	8051.0	8128.8	8097.6	8127.0	8382.9	8927.5	10455.7	11380.6	11294.2	8882.5
45°	8474.5	8491.8	8541.9	8535.0	8552.3	8790.9	9143.5	10519.7	11717.7	11639.9	9131.4
47.5°	8892.9	8918.8	8951.7	8913.6	8875.6	9031.2	9319.9	10575.0	12106.7	12013.3	9392.5
50°	9295.7	9318.2	9357.9	9247.3	9105.5	9145.3	9406.3	10651.1	12471.5	12405.8	9598.2
52.5°	9370.0	9394.2	9580.9	9603.4	9421.9	9281.9	9558.5	10818.7	12685.8	12644.3	9672.6
55°	8434.7	8478.0	8849.7	9276.7	9724.4	9679.5	9802.2	10906.9	12770.5	12780.9	9805.7
57.5°	6546.9	6609.1	7152.0	7738.0	8680.2	9459.9	9833.3	10884.4	12741.2	12798.2	9942.2
60°	4294.3	4330.6	4973.7	5630.7	6607.4	7686.2	8801.3	10479.9	12480.1	12561.4	9907.7
62.5°	2593.2	2634.7	3151.6	3649.5	4225.2	4946.1	5969.5	8422.6	10460.9	10642.4	7935.1
65°	1810.0	1865.4	2318.3	2728.0	2926.8	2778.2	3023.6	4704.0	6517.5	6593.6	4849.2
67.5°	1312.1	1350.2	1721.9	2209.4	2428.9	1962.2	1495.4	2083.2	2838.7	2866.3	2000.2
70°	859.2	902.4	1239.5	1682.1	1982.9	1590.5	1118.5	1127.2	1194.6	1208.4	1161.7
72.5°	472.0	497.9	765.9	1116.8	1172.1	950.8	873.0	937.0	983.7	983.7	995.8
75°	243.8	266.2	312.9	368.2	444.3	520.4	629.3	724.4	774.5	778.0	772.8
77.5°	124.5	133.1	167.7	181.5	198.8	231.7	300.8	385.5	430.5	447.8	444.3
80°	58.8	62.2	70.9	83.0	102.0	129.7	162.5	193.6	221.3	224.7	243.8
82.5°	31.1	34.6	38.0	44.9	55.3	69.2	95.1	114.1	131.4	134.8	150.4
85°	12.1	13.8	15.6	17.3	24.2	29.4	39.8	53.6	65.7	65.7	77.8
87.5°	0.0	0.0	0.0	0.0	1.7	3.5	6.9	8.6	12.1	12.1	20.7
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°	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3	3765.3
2.5°	3803.3	3753.2	3730.7	3694.4	3665.0	3632.2	3606.2	3587.2	3575.1	3568.2	3561.3
5°	3865.6	3789.5	3729.0	3656.4	3606.2	3557.8	3518.1	3490.4	3476.6	3466.2	3459.3
7.5°	3962.4	3860.4	3746.3	3633.9	3545.7	3467.9	3417.8	3388.4	3369.4	3362.5	3357.3
10°	4095.5	3953.7	3765.3	3587.2	3455.8	3371.1	3336.6	3322.7	3324.5	3321.0	3319.3
12.5°	4245.9	4052.3	3760.1	3504.2	3359.0	3308.9	3310.6	3333.1	3359.0	3365.9	3367.7
15°	4408.4	4149.1	3710.0	3397.1	3283.0	3288.2	3333.1	3386.7	3435.1	3454.1	3457.6
17.5°	4584.7	4230.3	3618.3	3279.5	3220.7	3276.0	3359.0	3447.2	3518.1	3549.2	3557.8
20°	4781.8	4299.5	3488.7	3163.7	3161.9	3253.6	3374.6	3490.4	3580.3	3621.8	3628.7
22.5°	4991.0	4342.7	3329.6	3056.5	3101.4	3224.2	3362.5	3483.5	3578.6	3620.1	3628.7
25°	5201.9	4356.5	3155.0	2958.0	3039.2	3177.5	3303.7	3400.5	3490.4	3526.7	3533.6
27.5°	5399.0	4316.8	2989.1	2873.2	2982.2	3108.4	3193.1	3244.9	3307.2	3334.8	3340.0
30°	5599.5	4237.3	2849.0	2805.8	2918.2	3013.3	3051.3	3054.8	3079.0	3079.0	3082.4
32.5°	5801.8	4119.7	2726.3	2740.1	2838.7	2900.9	2906.1	2866.3	2836.9	2788.5	2786.8
35°	6035.2	4000.4	2626.0	2665.8	2745.3	2783.3	2767.8	2691.7	2620.8	2541.3	2537.9
37.5°	6251.3	3877.7	2541.3	2589.7	2639.9	2667.5	2631.2	2539.6	2480.8	2399.6	2387.5
40°	6429.4	3767.0	2460.1	2510.2	2534.4	2558.6	2499.8	2425.5	2434.1	2389.2	2387.5
42.5°	6533.1	3659.8	2384.0	2422.0	2437.6	2454.9	2403.0	2347.7	2394.4	2359.8	2361.5
45°	6609.1	3566.5	2314.8	2328.7	2366.7	2392.6	2344.2	2282.0	2292.4	2159.3	2128.1
47.5°	6695.6	3514.6	2249.2	2235.3	2302.7	2347.7	2273.4	2183.5	2121.2	1989.8	1977.7
50°	6787.2	3495.6	2180.0	2142.0	2223.2	2266.4	2180.0	2067.6	1986.4	1915.5	1908.6
52.5°	6818.3	3493.9	2093.6	2029.6	2110.8	2171.4	2098.7	1984.6	1887.8	1818.7	1815.2
55°	6941.1	3544.0	1982.9	1875.7	1951.8	2076.3	2022.7	1858.4	1780.6	1749.5	1746.1
57.5°	7084.6	3552.7	1808.3	1708.0	1813.5	1960.4	1893.0	1751.3	1666.5	1628.5	1625.1
60°	7025.8	3340.0	1621.6	1580.1	1695.9	1851.5	1789.3	1666.5	1568.0	1531.7	1528.2
62.5°	5354.1	2358.1	1485.0	1469.5	1569.7	1694.2	1682.1	1554.2	1460.8	1434.9	1431.4
65°	3220.7	1656.2	1353.6	1351.9	1422.8	1542.1	1557.6	1453.9	1355.4	1319.1	1319.1
67.5°	1592.2	1267.2	1205.0	1196.3	1241.3	1326.0	1391.7	1307.0	1224.0	1189.4	1184.2
70°	1125.4	1116.8	1096.1	1071.8	1080.5	1115.1	1142.7	1071.8	983.7	949.1	942.2
72.5°	973.3	975.0	961.2	942.2	935.3	911.1	886.9	835.0	781.4	745.1	748.6
75°	755.5	758.9	767.6	760.7	741.6	715.7	689.8	624.1	580.9	546.3	539.4
77.5°	440.8	458.1	485.8	478.9	482.3	446.0	435.7	371.7	331.9	307.7	302.5
80°	248.9	259.3	271.4	280.1	269.7	254.1	231.7	197.1	185.0	167.7	164.2
82.5°	150.4	160.8	166.0	172.9	169.4	148.7	131.4	108.9	98.5	89.9	88.2
85°	76.1	83.0	88.2	91.6	81.3	67.4	60.5	48.4	41.5	36.3	36.3
87.5°	19.0	20.7	24.2	20.7	19.0	8.6	6.9	1.7	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)